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U S Nuclear Regulatory Commission
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Prairie Island Nuclear Generating Plant Unit 1
Docket 50-282
Renewed License No. DPR-42

Inservice Inspection Summary Report, Interval 4, Period 3, Outage 1, Refueling Outage Dates: 10-23-2012 to 01-02-2013 Unit 1, Fuel Cycle 27: 06-12-2011 to 01-02-2013

Pursuant to 10CFR50.55a, Northern States Power Company, a Minnesota corporation, doing business as Xcel Energy (hereafter "NSPM"), submits the report for the 2012 Prairie Island Nuclear Generating Plant (PINGP) Unit 1 refueling outage. An inservice inspection (ISI) examination was conducted for the third period of the fourth interval. Enclosure 1 is a copy of the ISI examination summary report for this period.

The summary report is being submitted in accordance with the PINGP American Society of Mechanical Engineers (ASME) Code Section XI ISI Program and is intended to satisfy the inspection reporting requirements contained in IWA-6230 of the ASME Boiler and Pressure Vessel Code.

The report identifies components examined; the examination methods used; the examination number; and summarizes the results. All anomalies were either corrected or an engineering evaluation was performed to accept "as-is" conditions. A description of repair/replacement activities and the corresponding work order numbers are provided in Section 8 of the enclosure.

Summary of Commitments

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

James E Lynch
Site Vice President, Prairie Island Nuclear Generating Plant
Northern States Power Company - Minnesota

Enclosure

cc: Administrator, Region III, USNRC
Project Manager, PINGP, USNRC
Resident Inspector, PINGP, USNRC
Chief Boiler Inspector, State of Minnesota

ENCLOSURE 1

Inservice Inspection Summary Report, Interval 4, Period 3, Outage 1,
Refueling Outage Dates: 10-23-2012 to 01-02-2013
Unit 1, Fuel Cycle 27: 06-12-2011 to 01-02-2013

136 Pages Follow

XCEL ENERGY
PRAIRIE ISLAND NUCLEAR GENERATING PLANT
1717 WAKONADE DRIVE EAST
WELCH, MINNESOTA 55089

OPERATED BY:
NORTHERN STATES POWER COMPANY – MINNESOTA
414 NICOLLET MALL, MINNEAPOLIS, MN 55401

INSERVICE INSPECTION SUMMARY REPORT
INTERVAL 4, PERIOD 3, OUTAGE 1
REFUELING OUTAGE DATES: 10-23-2012 TO 01-02-2013
UNIT 1, FUEL CYCLE 27: 06-12-2011 TO 01-02-2013

COMMERCIAL SERVICE DATE: DECEMBER 16, 1973

Prepared by: _____ Date: 3/22/2013
ISI Program Engineer, Xcel Energy.
Tom Downing

Approved by: _____ Date: 3/22/2013
Program Engineering Manager, Xcel Energy.
Peter Brunsgaard

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Section 1. Discussion

1.0 INTRODUCTION

This summary report identifies the components examined, examination methods used, the examination number and summarizes the results of examinations performed during the 1st outage, 3rd period, 4th interval for unit 1 fuel cycle 27. The 4th inspection interval is based on the examination requirements of the ASME Boiler and Pressure Vessel Code Section XI, 1998 Edition with 2000 Addenda, with limitations and modifications as required by Title 10 of the Code of Federal Regulation, Part 50.55a.

2.0 PERSONNEL

Visual and nondestructive examinations were performed by Xcel Energy/Northern States Power Company - Minnesota and Lambert Macgill & Thomas (LMT). The Hartford Steam Boiler Inspection and Insurance Company of Connecticut provided the Authorized Inspection services. Examination personnel certifications are maintained on file by Northern States Power Company - Minnesota.

3.0 INSPECTION SUMMARY

Examination results indicate that plant system integrity has been maintained.

Section 3 lists the Class 1 and Class 2 components examined, examination number and summary of the examination results performed during unit 1 cycle 27. Indications and disposition are as noted in the included table. There were two limited examinations of the 12 RHR heat exchanger that will require relief requests. The number and percentage of examinations or tests completed for the interval are also included in this section as required by IWA-6220(f).

Section 4 contains the IWE Class MC components examined, the examination number and summary of the examination results performed during unit 1 cycle 27. The second IWE interval (September 10, 2008 to September 9, 2018) is based on the examination requirements of ASME Section XI, Subsection IWA and IWE, 2001 Edition through the 2003 Addenda with limitations and modifications as required by Title 10 of the Code of Federal Regulation, Part 50.55a. The number and percentage of IWE examinations are also included in this section as required by IWA-6220(f). There were no indications of the containment vessel requiring evaluation, corrective actions, nor successive or augmented examinations. The moisture barrier showed several minor indications of lack of adhesion or tears ranging up to 7 inches long. These indications were accepted by repair. It should be noted minor refueling cavity leakage was reported in the regen heat exchanger room (AR 01358888). There was no indication this leakage contacted the

containment vessel and no conditions in accessible areas that could indicate the presence of or result in degradation to inaccessible areas.

Section 5 contains a summary of completed and scheduled pressure tests for the third period. All indications of leakage were evaluated and corrective measures performed as required by IWB-3142, IWC-3132 and IWA-5250.

Section 6 contains the Snubber inspection results. There were a total of 21 snubbers scheduled for testing in 1R28. All snubbers that under went functional testing had satisfactory results. Issues identified by visual inspection were addressed by minor maintenance.

Section 7 addresses the Eddy Current examination results of the 11 and 12 Steam Generators tubes.

Section 8 contains 47 Repair/Replacement activities completed under the 4th Interval during the unit 1 cycle 27.

4.0 EXAMINATON REPORTS, EQUIPMENT AND MATERIALS

The inservice inspection reports in Sections 3 and 4 contain references to procedures, equipment, and materials used to complete the specific examinations. Copies of the examination reports, examination procedures, and equipment records are available from Northern States Power Company Minnesota.

Sections 3 and 4 may contain several abbreviations which are identified below:

AR = Action Request
CAP = Corrective Action Process
CE = Condition Evaluation
GEO = Geometry, evaluation of indication
OPR = Operability Recommendation
IN = Information Notice
IND = Indication requires further evaluation
NAD = No Apparent Defects
SE = Safety Evaluation
WO = Work Order
WR = Work Request

Section 2. NIS-1 (2 pages attached)

NIS-1
OWNER'S REPORT FOR INSERVICE INSPECTIONS
(As required by the Provisions of the ASME Code Rules)

1. Owner: NSPM d/b/a Xcel Energy, 414 Nicollet Mall, Minneapolis, MN 55401
(Name and Address of Owner)

2. Plant: Prairie Island Nuclear Generating Plant, 1717 Wakonade Drive E, Welch, Minnesota 55089
(Name and Address of Plant)

3. Plant Unit 1

4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 12/16/1973

6. National Board Number for Unit N/A

7. Components Inspected: Partial list of major components. See section 3.

Component or Appurtenance	Manufacturer or Installer	Manufacturer of Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel Head	Mitsubishi Heavy Inds.	B-VH-N11		5855
Reactor Vessel	Creuot-Loire	686	MINN-200-51	---
Pressurizer	Westinghouse	1111	---	68-20
11 Steam Generator	Framatome ANP	GV/PI291	---	161
12 Steam Generator	Framatome ANP	GV/PI292	---	162
11 Reactor Coolant Pump	Westinghouse	W515	---	---
12 Reactor Coolant Pump	Westinghouse	W516	---	---
11 RHR Heat Exchanger	Joseph Oats & Sons	1817-1A	---	340
12 RHR Heat Exchanger	Joseph Oats & Sons	1817-1B	---	341
11 RHR Pump	Byron Jackson	---	---	---
12 RHR Pump	Byron Jackson	---	---	---
11 Safety Injection Pump	Bingham	---	---	---
12 Safety Injection Pump	Bingham	---	---	---
11 Accumulator Tank	Delta Southern	41038-70-1	---	2554
12 Accumulator Tank	Delta Southern	41038-70-2	---	2555
Containment Vessel	CBI	---	---	---

8. Examination Dates: 06/12/2011 to 01/02/2013

9. Inspection Period Identification: CISI (2nd Period) 9/10/2011 to 9/9/2015
ISI (3rd Period) 12/21/2011 to 12/20/2014

10. Inspection Interval Identification: CISI (2nd Interval) 9/10/2008 (4th Interval) 12/21/2004 to 9/9/2018 12/20/2014

11. Applicable Edition of Section XI 1998 E. 2000 Addenda and 2001 E. 2003 Addenda (CISI)

12. Date/Revision of Inspection Plan: 02/19/13, Revision 14 and 10/26/2012 Revision 9 (CISI)

13. Abstract of Examination and Tests. Include a list of examinations and tests and statement concerning status of work required for the Inspection Plan

See Sections 3 through 7

14. Abstract of Results of Examinations and Tests

See Sections 3 through 7

15. Abstract of Corrective Measures

See Sections 3 through 8

We certify that a) that the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) N/A Expiration Date _____

Date 3-21-2013 Signed _____
Owner

By Tom Downing

CERTIFICATE OF INSERVICE INSPECTION

I, undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or provinces of

Minnesota and employed by Hartford Steam Boiler Inspection and Insurance Company of

Connecticut have inspected the components described in this Owner's Report during the period

06/12/2011 to 01/02/2013, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes and any warranty, expressed or implied, concerning the examinations, tests, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Gerald R. Daly

Commissions 12085 A,N,I MN 21924
National Board, State, Province, and Endorsements

Date: 22MAR13

Section 3. ISI Examinations (19 pages attached)

The following table summarizes the ISI inspections performed in cycle 27. Inspections are listed by class, category and site summary number. Inspections that identified indications or were limited are bold with a brief summary of the indication, corrective actions and corrective action process (AR) number as appropriate. Indications consisted primarily of minor leakage and minor support indications. One snubber showed low reservoir level which was accepted by corrective action. There were two limited examinations on the 12 RHR heat exchanger which will require relief requests. The second table lists the number and percentage of examinations completed as required by IWA-6220(f).

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Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. **Owner: Xcel Energy**
2. **Plant: Prairie Island Nuclear Generating Plant**
3. **Plant Unit: 1**
4. **Owner Certificate of Authorization (If Req.): N/A**
5. **Commercial Service Date: 12/16/1973**
6. **National Board Number for Unit: N/A**

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
Class 1	**Category B-B**								
301077	W-1	Tubesheet to Head	B2.60	FP-PE-NDE-520	VT / 2013V001 / NAD	VC	ISI-44	12/29/2012	ISI
301078	W-2	Tubesheet to Head	B2.60	FP-PE-NDE-520	VT / 2013V002 / NAD	VC	ISI-44	12/29/2012	ISI
301079	W-3	Tubesheet to Head	B2.60	FP-PE-NDE-520	VT / 2013V003 / NAD	VC	ISI-44	12/29/2012	ISI
Class 1	**Category B-D**								
303030	N-1 IR	NOZZLE - HX	B3.160	FP-PE-NDE-520	VT / 2013V004 / NAD	VC	ISI-44	12/29/2012	ISI
303031	N-2IR	HX - NOZZLE	B3.160	FP-PE-NDE-520	VT / 2013V005 / NAD	VC	ISI-44	12/29/2012	ISI
303032	N-3IR	NOZZLE - HX	B3.160	FP-PE-NDE-520	VT / 2013V006 / NAD	VC	ISI-44	12/29/2012	ISI
303033	N-4IR	HX - NOZZLE	B3.160	FP-PE-NDE-520	VT / 2013V007 / NAD	VC	ISI-44	12/29/2012	ISI
303035	N-5IR	NOZZLE - HX	B3.160	FP-PE-NDE-520	VT / 2013V008 / NAD	VC	ISI-44	12/29/2012	ISI
303037	N-6IR	HX - NOZZLE	B3.160	FP-PE-NDE-520	VT / 2013V009 / NAD	VC	ISI-44	12/29/2012	ISI
303070	N-4BIR	SAFETY NOZZLE	B3.120	SWI NDE-UT-14	UT / 2012U066 / NAD	RC	ISI-42	11/10/2012	ISI
Class 1	**Category B-G-2**								
300123	B-1	BOLTS, STUDS, NUTS	B7.70	FP-PE-NDE-510	VT / 2012V126 / NAD	SI	ISI-2	11/16/2012	ISI
300124	B-2	BOLTS, STUDS, NUTS	B7.70	FP-PE-NDE-510	VT / 2012V128 / NAD	SI	ISI-2	11/17/2012	PSI
300411	B-2	4 ORIFICE BOLTS	B7.50	FP-PE-NDE-510	VT / 2012V107 / NAD	VC	ISI-11A	11/1/2012	ISI

Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. Owner: Xcel Energy
2. Plant: Prairie Island Nuclear Generating Plant
3. Plant Unit: 1
4. Owner Certificate of Authorization (If Req.): N/A
5. Commercial Service Date: 12/16/1973
6. National Board Number for Unit: N/A

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
300612	B-1	VALVE BOLTING	B7.70	FP-PE-NDE-510	VT / 2012V132 / NAD	RH	ISI-19A	11/23/2012	PSI
300651	B-1	VALVE BOLTING	B7.70	FP-PE-NDE-510	VT / 2012V129 / NAD	RC	ISI-24	11/21/2012	PSI
				FP-PE-NDE-510	VT / 2012V140 / NAD	RC	ISI-24	11/26/2012	PSI
300660	B-1	ORIFICE BOLTS	B7.50	FP-PE-NDE-510	VT / 2012V109 / NAD	RC	ISI-21	11/1/2012	ISI
300895	B-1	FLANGE BOLTING	B7.50	FP-PE-NDE-510	VT / 2012V144 / NAD	RC	ISI-29A	12/6/2012	PSI
302902	B-1	FLANGE BOLTS	B7.50	FP-PE-NDE-510	VT / 2012V114 / NAD	VC	ISI-1F	11/3/2012	ISI
390166	B-1	Inlet Manway Bolts (20)	B7.30	FP-PE-NDE-510	VT / 2012V123 / NAD	SG	ISI-43B	11/14/2012	ISI
390167	B-2	Outlet Manway Bolts (20)	B7.30	FP-PE-NDE-510	VT / 2012V122 / NAD	SG	ISI-43B	11/14/2012	ISI
Class 1	**Category B-K**								
320145	H-3/IA	Int. Attach[DOUBLE SPRING]	B10.20	SWI NDE-PT-1	PT / 2012P003 / NAD	RC	ISI-3A	11/5/2012	ISI
Class 1	**Category B-M-2**								
302904	V-2	VALVE INT SURFACES	B12.50	FP-PE-NDE-530	VT / 2012V127 / NAD	SI	ISI-2	11/15/2012	ISI
Class 1	**Category B-P (See Section 5 for Pressure Tests)**								
370025	**SP 1070**	**Reactor Coolant System Integrity Test**	**B15.00**	**FP-PE-NDE-520**	**VT / 2013V010 / IND**	**RC, SI, VC, RH**	**SP 1070**	**12/29/2012**	**ISI**
Comments:	**Minor fitting leak downstream of VC-16-18 found prior to NOP. Non-relevant indication AR 1364677.**								
370026	**SP 1392**	**Unit 1 RCS Bolting Inspection**	**B15.00**	**FP-PE-NDE-520**	**VT / 2012V150 / IND**	**RC, SI, VC, RH**	**Reference SP 1392**	**10/27/2012**	**ISI**
Comments:	**Body to Bonnet indications accepted by evaluation AR 1356844, 1357518. Flg leak accepted by corrective action AR 1357508. Body to bonnet indication accepted by evaluation AR 1356557**								

Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. **Owner: Xcel Energy**
2. **Plant: Prairie Island Nuclear Generating Plant**
3. **Plant Unit: 1**
4. **Owner Certificate of Authorization (If Req.): N/A**
5. **Commercial Service Date: 12/16/1973**
6. **National Board Number for Unit: N/A**

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
370032	RV BMI	Bare Metal Visual on Bottom of RV	B15.80	FP-PE-NDE-520	VT / 2012V148 / NAD	RV	SP 1421	12/13/2012	ISI
Class 1	**Category F-A**								
300281	H-3	SPRING CLAMP	F1.10c	FP-PE-NDE-530	VT / 2012V115 / NAD	RC	ISI-5D	11/3/2012	ISI
300325	**H-3**	**SPRING HANGER**	**F1.10c**	**FP-PE-NDE-530**	**VT / 2012V108 / IND**	**RC**	**ISI-7**	**11/1/2012**	**ISI**
Comments:	**Misplaced markers accepted by evaluation AR 1357956.**								
300430	H-3	RESTRAINT/CLAMP	F1.10b	FP-PE-NDE-530	VT / 2012V105 / NAD	VC	ISI-11B	11/1/2012	ISI
300454	H-6	ROD/CLAMP	F1.10a	FP-PE-NDE-530	VT / 2012V106 / NAD	VC	ISI-11C	11/1/2012	ISI
300593	H-9	SPRING CLAMP	F1.10c	FP-PE-NDE-530	VT / 2012V111 / NAD	SI	ISI-18	11/2/2012	ISI
300611	H-8	RUPTURE RESTRAINT	F1.10b	FP-PE-NDE-530	VT / 2012V110 / NAD	RH	ISI-19A	11/2/2012	ISI
300762	H-1	SPRING/CLAMP	F1.10c	FP-PE-NDE-530	VT / 2012V095 / NAD	RC	ISI-25	10/27/2012	ISI
300835	H-1	LATERAL RESTRAINT	F1.10b	FP-PE-NDE-530	VT / 2012V146 / NAD	VC	ISI-27B	12/8/2012	PSI
300836	H-1	RIGID HANGER	F1.10a	FP-PE-NDE-530	VT / 2012V094 / NAD	VC	ISI-27C	10/27/2012	ISI
302984	H-2	SNUBBER 2	F1.40	FP-PE-NDE-530	VT / 2012V119 / NAD	SG	ISI-43C	11/9/2012	PSI
303005	**H-2**	**SNUBBER 2**	**F1.40**	**FP-PE-NDE-530**	**VT / 2012V118 / IND**	**SG**	**ISI-43D**	**11/9/2012**	**PSI**
Comments:	**IND of low level accepted by corrective action AR 1358635**								
350200	H-13	SG # 11 Column 1	F1.40	FP-PE-NDE-530	VT / 2012V137 / NAD	SG	ISI-43C	11/26/2012	ISI

Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. **Owner: Xcel Energy**
2. **Plant: Prairie Island Nuclear Generating Plant**
3. **Plant Unit: 1**
4. **Owner Certificate of Authorization (If Req.): N/A**
5. **Commercial Service Date: 12/16/1973**
6. **National Board Number for Unit: N/A**

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
350201	H-14	SG # 11 Column 2	F1.40	FP-PE-NDE-530	VT / 2012V138 / NAD	SG	ISI-43C	11/26/2012	ISI
350202	H-15	SG # 11 Column 3	F1.40	FP-PE-NDE-530	VT / 2012V135 / NAD	SG	ISI-43C	11/26/2012	ISI
350203	**H-16**	**SG # 11 Column 4**	**F1.40**	**FP-PE-NDE-530**	**VT / 2012V134 / IND**	**SG**	**ISI-43C**	**11/26/2012**	**ISI**
Comments:	**Indication of loose fastener was accepted by evaluation AR 1360794.**								
Class 1	**Category R-A**								
300031-RI	W-13	45° ELBOW - PIPE	R1.11-2	FP-PE-NDE-402	UT / 2012U054 / NAD	RC	ISI-1B	11/5/2012	ISI
300032-RI	W-12	PIPE - 45° ELBOW	R1.11-2	FP-PE-NDE-402	UT / 2012U053 / NAD	RC	ISI-1B	11/5/2012	ISI
300033-RI	W-11	45° ELBOW - PIPE	R1.11-2	FP-PE-NDE-402	UT / 2012U052 / NAD	RC	ISI-1B	11/5/2012	ISI
300034-RI	W-10	PIPE - 45° ELBOW	R1.11-2	FP-PE-NDE-402	UT / 2012U051 / NAD	RC	ISI-1B	11/5/2012	ISI
300294-RI	W-4	ELBOW - PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U077 / NAD	RC	ISI-5D	11/12/2012	ISI
300643-RI	W-6	PIPE - ELBOW	R1.11-2	FP-PE-NDE-402	UT / 2012U050 / NAD	RC	ISI-19B	11/2/2012	ISI
300666-RI	W-7	ELBOW - PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U078 / NAD	RC	ISI-21	11/12/2012	ISI
300723-RI	W-20	PIPE - ELBOW	R1.20-4	FP-PE-NDE-402	UT / 2012U061 / NAD	RC	ISI-23	10/26/2012	ISI
300724-RI	W-21	ELBOW - PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U062 / NAD	RC	ISI-23	10/26/2012	ISI
300748-RI	W-2	PIPE - TEE	R1.20-6	SWI NDE-PT-1	PT / 2012P011 / NAD	SI	ISI-24	11/17/2012	PSI
				FP-PE-NDE-402	UT / 2012U081 / NAD	SI	ISI-24	11/22/2012	PSI
Comments:	Limitied preserive UT examination on SI-16-4 replacement weld. Relief request not required.								

Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. **Owner: Xcel Energy**
2. **Plant: Prairie Island Nuclear Generating Plant**
3. **Plant Unit: 1**
4. **Owner Certificate of Authorization (If Req.): N/A**
5. **Commercial Service Date: 12/16/1973**
6. **National Board Number for Unit: N/A**

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
300750-RI	W-1	VALVE - PIPE	R1.20-6	SWI NDE-PT-1	PT / 2012P010 / NAD	SI	ISI-24	10/27/2012	PSI
300929-RI	W-5	23° ELBOW-BENT PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U064 / NAD	RC	ISI-30B	10/26/2012	ISI
300931-RI	W-4	REDUCER - 23° ELBOW	R1.20-4	FP-PE-NDE-402	UT / 2012U063 / NAD	RC	ISI-30B	10/26/2012	ISI
302916-RI	W-13	PIPE - ELBOW	R1.20-4	FP-PE-NDE-402	UT / 2012U059 / NAD	RC	ISI-32B	10/26/2012	ISI
302917-RI	W-14	ELBOW - PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U060 / NAD	RC	ISI-32B	10/26/2012	ISI
Class 2	**Category C-A**								
303054	**W-2**	**SHELL - FLANGE**	**C1.10**	**FP-PE-NDE-402**	**UT / 2012U065 / NAD**	**RH**	**ISI-93B**	**11/10/2012**	**ISI**
Comments:	**Limited examination of 12 RH HX channel to flange weld. Requires relief request AR 1371291.**								
Class 2	**Category C-B**								
301833	W-1	RHR Hx - Pipe	C2.31	SWI NDE-PT-1	PT / 2012P005 / NAD	RH	ISI-55D	11/9/2012	ISI
390129	N-1	Nozzle - Shell	C2.21	SWI NDE-MT-1	MT / 2012M006 / NAD	SG	ISI-43A	11/3/2012	ISI
				FP-PE-NDE-406 and FP-PE-NDE-UT-03	UT / 2012U067 / NAD	SG	ISI-43A	11/12/2012	ISI
Class 2	**Category C-C**								
302082	H-5/IA	Int. Attach[Support E]	C3.30	SWI NDE-PT-1	PT / 2012P008 / NAD	SI	ISI-83C	11/16/2012	ISI
302086	H-6/IA	Int. Attach[Support F]	C3.30	SWI NDE-PT-1	PT / 2012P007 / NAD	SI	ISI-83C	11/16/2012	ISI
323052	**H-2/IA**	**Int. Attach[RHR HX 12 SUPPORT B]**	**C3.10**	**SWI NDE-PT-1**	**PT / 2012P004 / NAD**	**RH**	**ISI-93B**	**11/9/2012**	**ISI**
Comments:	**Limited PT examination of 12 RH HX support attachment weld. Requires relief request AR 1371334.**								
325288	H-2/IA	Int. Attach[BOX SUPPORT/LUGS]	C3.20	SWI NDE-PT-1	PT / 2012P012 / NAD	SI	ISI-98B	11/17/2012	PSI

Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. **Owner: Xcel Energy**
2. **Plant: Prairie Island Nuclear Generating Plant**
3. **Plant Unit: 1**
4. **Owner Certificate of Authorization (If Req.): N/A**
5. **Commercial Service Date: 12/16/1973**
6. **National Board Number for Unit: N/A**

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
325936	H-1/IA	Int. Attach[Single Spring Base Support]	C3.20	SWI NDE-PT-1	PT / 2012P015 / NAD	RH	ISI-55C	11/26/2012	PSI
Class 2	**Category C-H (See Section 5 for Pressure Tests)**								
370002	SP 1168.4A	Component Cooling System Pressure Test Class 2	C7.00	FP-PE-NDE-520	VT / 2013V011 / NAD	CC	NF-39245-1	12/29/2012	ISI
370010	**SP 1168.10**	**RHR System Pressure Test**	**C7.00**	**FP-PE-NDE-520**	**VT / 2012V152 / NAD**	**RH**	**SP 1168.10**	**12/18/2012**	**ISI**
				FP-PE-NDE-520	**VT / 2013V012 / IND**	**RH**	**SP 1168.10**	**10/25/2012**	**ISI**
Comments:	**Boric acid residue in bottom of RHR containment suction pipe accepted by evaluation AR 1363913.**								
370013	**SP 1168.13**	**Safety Injection System Pressure Test**	**C7.00**	**FP-PE-NDE-520**	**VT / 2012V149 / IND**	**SI**	**XH-1-44, 45**	**12/9/2012**	**ISI**
Comments:	**Minor fitting leaks closed to work requests, AR 1362565, AR 1362567, WR 86205, WR 86206.**								
370015	SP 1168.15	Post LOCA Hydrogen Control System Pressure Test	C7.00	FP-PE-NDE-520	VT / 2012V142 / NAD	HC	NF-39251	12/2/2012	ISI
				FP-PE-NDE-520	VT / 2012V143 / NAD	HC	NF-39251	11/7/2012	ISI
370016	SP 1168.16	Chemical and Volume Control System Pressure Test	C7.00	FP-PE-NDE-520	VT / 2012V096 / NAD	VC	Reference SP 1168.16 Rev. 15	10/27/2012	ISI
370017	SP 1168.17	Feedwater System Pressure Test	C7.00	FP-PE-NDE-520	VT / 2013V014 / NAD	FW	NF-39222	1/16/2013	ISI
370034	**SP 1392**	**Unit 1 Class 2 Bolting Inspection**	**C7.00**	**FP-PE-NDE-520**	**VT / 2012V151 / IND**	**SI, VC, RH**	**Reference SP 1392**	**10/27/2012**	**ISI**
Comments:	**Minor body to bonnet indications accepted by evaluation AR 1356351, 1356346, 1356353.**								
370088	**SP 1168.8B**	**Cooling Water System to Unit 1 FCUs Pressure Test**	**C7.00**	**FP-PE-NDE-520**	**VT / 2012V083 / IND**	**CL**	**Reference SP**	**10/24/2012**	**ISI**
				FP-PE-NDE-520	**VT / 2013V015 / NAD**	**CL**	**Reference SP**	**1/16/2012**	**ISI**
Comments:	**Leakage at the 12 FCU was determined to be a gasket leakage dispositioned by corrective actions AR 1356357 and WO 395897 and reinspected.**								
Class 2	**Category F-A**								
301132	H-2	SEISMIC RESTRAINT	F1.20a	FP-PE-NDE-530	VT / 2012V113 / NAD	MS	ISI-51A	11/2/2012	ISI

Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. **Owner: Xcel Energy**
2. **Plant: Prairie Island Nuclear Generating Plant**
3. **Plant Unit: 1**
4. **Owner Certificate of Authorization (If Req.): N/A**
5. **Commercial Service Date: 12/16/1973**
6. **National Board Number for Unit: N/A**

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
301390	H-2	SPRING HANGER/CLAMP	F1.20c	FP-PE-NDE-530	VT / 2012V121 / NAD	RH	ISI-53C	11/13/2012	ISI
303052	H-2	RHR HX 12 SUPPORT B	F1.40	FP-PE-NDE-530	VT / 2012V120 / NAD	RH	ISI-93B	11/9/2012	ISI
305055	H-1	ROD/CLAMP	F1.20a	FP-PE-NDE-530	VT / 2012V117 / NAD	SI	ISI-100B	11/8/2012	ISI
305070	H-5	Double Rigid Hanger	F1.20a	FP-PE-NDE-530	VT / 2012V082 / NAD	SI	ISI-100A	10/23/2012	PSI
305288	**H-2**	**BOX SUPPORT/LUGS**	**F1.20b**	**FP-PE-NDE-530**	**VT / 2012V133 / IND**	**SI**	**ISI-98B**	**11/23/2012**	**PSI**
Comments:	**Missing weld accepted by evaluation AR 01360381**								
305631	**H-2**	**Pipe Restraint**	**F1.20b**	**FP-PE-NDE-530**	**VT / 2012V112 / IND**	**AF**	**ISI-52A**	**11/2/2012**	**ISI**
Comments:	**Lack of thread engagement and missing washer accepted by evaluation AR 01358340.**								
315936	H-1	Single Spring Base Support	F1.20c	FP-PE-NDE-530	VT / 2012V139 / NAD	RH	ISI-55C	11/26/2012	PSI
315959	H-1	#11 Pump Support A	F1.40	FP-PE-NDE-530	VT / 2012V091 / NAD	SI	ISI-83C	10/26/2012	ISI
315960	H-2	#11 Pump Support B	F1.40	FP-PE-NDE-530	VT / 2012V090 / NAD	SI	ISI-83C	10/26/2012	ISI
315961	H-3	#11 Pump Support C	F1.40	FP-PE-NDE-530	VT / 2012V089 / NAD	SI	ISI-83C	10/26/2012	ISI
315962	H-4	#11 Pump Support D	F1.40	FP-PE-NDE-530	VT / 2012V088 / NAD	SI	ISI-83C	10/26/2012	ISI
315963	H-5	#11 Pump Support E	F1.40	FP-PE-NDE-530	VT / 2012V093 / NAD	SI	ISI-83C	10/26/2012	ISI
315964	H-6	#11 Pump Support F	F1.40	FP-PE-NDE-530	VT / 2012V092 / NAD	SI	ISI-83C	10/26/2012	ISI

Class 2 Category R-A

Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. **Owner: Xcel Energy**
2. **Plant: Prairie Island Nuclear Generating Plant**
3. **Plant Unit: 1**
4. **Owner Certificate of Authorization (If Req.): N/A**
5. **Commercial Service Date: 12/16/1973**
6. **National Board Number for Unit: N/A**

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
301331-RI	W-6	Pipe to Elbow	R1.19-5	SWI NDE-PT-1	PT / 2012P006 / NAD	RH	ISI-56	11/13/2012	ISI
301694-RI	W-24	Pipe - Nozzle	R1.11-5	FP-PE-NDE-401	UT / 2012U055 / NAD	FW	ISI-69	11/6/2012	ISI
301810-RI	W-16	PIPE - ELBOW	R1.20-4	FP-PE-NDE-402	UT / 2012U044 / NAD	RH	ISI-83B	10/26/2012	ISI
301811-RI	W-17	ELBOW - PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U045 / NAD	RH	ISI-83B	10/26/2012	ISI
301823-RI	W-8LSU	TEE- PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U069 / NAD	RH	ISI-55C	11/10/2012	ISI
301824-RI	W-9LSD	PIPE - 45°ELBOW	R1.20-4	FP-PE-NDE-402	UT / 2012U071 / NAD	RH	ISI-55C	11/10/2012	ISI
301825-RI	W-10LSD	45°ELBOW - PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U072 / NAD	RH	ISI-55C	11/10/2012	ISI
301831-RI	W-20LSD	ELBOW - PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U070 / NAD	RH	ISI-55C	11/10/2012	ISI
301866-RI	W-21	PIPE - PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U068 / NAD	RH	ISI-55C	11/10/2012	ISI
301885-RI	W-18	PIPE - PIPE	R1.20-6	SWI NDE-PT-1	PT / 2012P014 / NAD	SI	ISI-98B	11/22/2012	PSI
				FP-PE-NDE-402	UT / 2012U083 / NAD	SI	ISI-98B	11/22/2012	PSI
305111-RI	W-4	PIPE - ELBOW	R1.20-4	FP-PE-NDE-402	UT / 2012U074 / NAD	SI	ISI-99A	11/12/2012	ISI
305120-RI	W-13	PIPE - ELBOW	R1.20-4	FP-PE-NDE-402	UT / 2012U073 / NAD	SI	ISI-99A	11/12/2012	ISI
305122-RI	W-15	PIPE - ELBOW	R1.20-4	FP-PE-NDE-402	UT / 2012U075 / NAD	SI	ISI-99A	11/12/2012	ISI
305123-RI	W-16	ELBOW - PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U076 / NAD	SI	ISI-99A	11/12/2012	ISI

Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. **Owner: Xcel Energy**
2. **Plant: Prairie Island Nuclear Generating Plant**
3. **Plant Unit: 1**
4. **Owner Certificate of Authorization (If Req.): N/A**
5. **Commercial Service Date: 12/16/1973**
6. **National Board Number for Unit: N/A**

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
305144-RI	W-8	PIPE - RED TEE	R1.20-4	FP-PE-NDE-402	UT / 2012U079 / NAD	SI	ISI-101	11/12/2012	ISI
305145-RI	W-9	RED TEE - ORIFICE	R1.20-4	FP-PE-NDE-402	UT / 2012U080 / NAD	SI	ISI-101	11/12/2012	ISI
305196-RI	W-4	PIPE - 45 ELBOW	R1.20-4	FP-PE-NDE-402	UT / 2012U056 / NAD	SI	ISI-97A	10/26/2012	ISI
305197-RI	W-5	45 ELBOW - PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U057 / NAD	SI	ISI-97A	10/26/2012	ISI
305198-RI	W-6	PIPE - 45 ELBOW	R1.20-4	FP-PE-NDE-402	UT / 2012U058 / NAD	SI	ISI-97A	10/26/2012	ISI
305259-RI	W-2	REDUCER - PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U049 / NAD	SI	ISI-98A	11/1/2012	ISI
305260-RI	W-3	PIPE - ELBOW	R1.20-4	FP-PE-NDE-402	UT / 2012U047 / NAD	SI	ISI-98A	11/1/2012	ISI
305261-RI	W-4	ELBOW - 45 ELBOW	R1.20-4	FP-PE-NDE-402	UT / 2012U048 / NAD	SI	ISI-98A	11/1/2012	ISI
305262-RI	W-5	45 ELBOW - PIPE	R1.20-4	FP-PE-NDE-402	UT / 2012U046 / NAD	SI	ISI-98A	11/1/2012	ISI
305304-RI	W-16	TEE - PIPE	R1.20-6	SWI NDE-PT-1	PT / 2012P013 / NAD	SI	ISI-98B	11/22/2012	PSI
				FP-PE-NDE-402	UT / 2012U082 / NAD	SI	ISI-98B	11/22/2012	PSI
Comments:	Limited preservice examination of weld for SI-16-4 replacement. Relief request not required.								
305305-RI	W-17	PIPE - VALVE	R1.20-6	SWI NDE-PT-1	PT / 2012P009 / NAD	SI	ISI-98B	10/27/2012	PSI
Class 3	**Category D-A**								
321080	H-1/IA	Int. Attach[Support A]	D1.10	FP-PE-NDE-510	VT / 2012V100 / NAD	CC	ND-1-3-216A	10/27/2012	ISI
321081	H-2/IA	Int. Attach[Support B]	D1.10	FP-PE-NDE-510	VT / 2012V101 / NAD	CC	ND-1-3-216A	10/27/2012	ISI

Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. **Owner: Xcel Energy**
2. **Plant: Prairie Island Nuclear Generating Plant**
3. **Plant Unit: 1**
4. **Owner Certificate of Authorization (If Req.): N/A**
5. **Commercial Service Date: 12/16/1973**
6. **National Board Number for Unit: N/A**

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
322698	CCH-50/IA	Int. Attach[Spring]	D1.20	FP-PE-NDE-510	VT / 2012V124 / NAD	CC	ND-1-3-216	11/15/2012	ISI
Class 3	**Category D-B (See Section 5 for Pressure Tests)**								
370001	SP 1168.4	Component Cooling System Pressure Test	D2.10	FP-PE-NDE-520	VT / 2012V080 / NAD	CC	See SP 1168.4	8/15/2012	ISI
370005	SP 1168.7	Caustic Addition System Pressure Test	D2.10	FP-PE-NDE-520	VT / 2012V145 / NAD	CA	Figure 1	12/7/2012	ISI
				FP-PE-NDE-520	VT / 2013V016 / NAD	CA	Figure 1	1/19/2013	ISI
370078	SP 1168.8B	Cooling Water System to Unit 1 FCUs Pressure Test	D2.10	FP-PE-NDE-520	VT / 2012V084 / NAD	CL	Reference SP	10/23/2012	ISI
Class 3	**Category F-A**								
301080	H-1	Support A	F1.40	FP-PE-NDE-530	VT / 2012V099 / NAD	CC	ND-1-3-216A	10/27/2012	ISI
301081	H-2	Support B	F1.40	FP-PE-NDE-530	VT / 2012V098 / NAD	CC	ND-1-3-216A	10/27/2012	ISI
312446	**CWH-340**	**Rod /Clamp**	**F1.30a**	**FP-PE-NDE-530**	**VT / 2012V097 / IND**	**CW**	**ND-1-3-20**	**10/27/2012**	**ISI**
Comments:	**Indication of contact and additional strap accepted by evaluation AR 1357458**								
312506	CWH-155	Rod /Clamp	F1.30a	FP-PE-NDE-530	VT / 2012V103 / NAD	CW	ND-1-3-25	11/1/2012	ISI
312507	CWH-348	Sway Strut	F1.30b	FP-PE-NDE-530	VT / 2012V102 / NAD	CW	ND-1-3-25	11/1/2012	ISI
312536	CWH-404	Triple Rod /Clamp	F1.30a	FP-PE-NDE-530	VT / 2012V104 / NAD	CW	ND-1-3-47	11/1/2012	ISI
312693	SVH-56	Spring /Clamp	F1.30c	FP-PE-NDE-530	VT / 2012V125 / NAD	MS	ND-1-3-178	11/15/2012	ISI
312696	CCH-378	Snubber	F1.30c	FP-PE-NDE-530	VT / 2012V130 / NAD	CC	ND-1-3-216	11/22/2012	PSI

Unit 1 Cycle 27, 06-12-2011 to 01-02-2013

Inservice Inspection Report

Interval 4, Period 3, PI1RFO2012

1. **Owner: Xcel Energy**
2. **Plant: Prairie Island Nuclear Generating Plant**
3. **Plant Unit: 1**
4. **Owner Certificate of Authorization (If Req.): N/A**
5. **Commercial Service Date: 12/16/1973**
6. **National Board Number for Unit: N/A**

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date	Scope
312713	**CCH-72**	**Rod /Clamp**	**F1.30a**	**FP-PE-NDE-530**	**VT / 2012V116 / IND**	**CC**	**ND-1-3-218**	**11/8/2012**	**ISI**
				FP-PE-NDE-530	**VT / 2012V153 / NAD**	**CC**	**ND-1-3-218**	**12/22/2012**	**PSI**
Comments:	**Indication of weled rod accepted by test AR 1358614. Rod replaced at owner option.**								
312784	CCH-377	Snubber	F1.30c	FP-PE-NDE-530	VT / 2012V131 / NAD	CC	ND-1-3-224	11/22/2012	PSI
Class NC	**Category HVY LDS**								
305534	RCP Motor Lifting Rig	Reactor Coolant Pump Motor Lifting Rig	NUREG612	SWI NDE-MT-1	MT / 2012M005 / NAD	PC	ISI-HVY-LDS-4	8/22/2012	AUG

Prairie Island Nuclear Plant Unit 1
Code Compliance Summary - 4th Interval - 3rd Period - 1st Outage
ISI - Code Edition - 1998 Edition, 2000 Addenda

Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Period 3 Sched 3rd Period	Period 3 Comp 3rd Period	% Comp to date	
ACC NOZ	NRCIN9105		10	N/A	10	0	20	10	10	0	0	N/A	Accumulator nozzles owner elected examination Done under PM.
Total:			10		0	0	0	0	0	0	0	N/A	
B-A	B1.11	RR-4-1	3	100%	3	3	0	0	0	3	0	N/A	RV shell circ welds. Deferral to end of interval allowed per IWB-2500-1
B-A	B1.21	RR-4-1	1	100%	1	1	0	0	0	1	0	N/A	RV bottom head weld. Deferral to end of interval allowed per IWB-2500-1
B-A	B1.30		1	100%	1	1	0	0	0	1	0	N/A	RV shell to flange weld. Deferral to end of interval allowed per N-623
Total:			5		5	5	0	0	0	5	0	N/A	
B-B	B2.11		2	100%	2	0	2	1	1	0	0	100%	Pressurizer circ welds
B-B	B2.12		2	100%	2	0	2	1	1	0	0	100%	Pressurizer long welds
B-B	B2.40		4	50%	2	2	0	0	0	2	0	0%	SG tubesheet to head. One of each similar vessel.
B-B	B2.60	RR-4-2	3		3	3	15	6	6	3	3	N/A	Class 1 tubesheet to head HX. VT-2 each outage per RR-4-2. **Not included in count.**
Total:			8		6	2	4	2	2	2	0	67%	
B-D	B3.100	N-648-1	6	0%	0	6	0	0	0	6	0	N/A	RV nozzle inside radius. Deferral to end of interval allowed per IWB-2500-1. **Not included in count**

Prairie Island Nuclear Plant Unit 1
Code Compliance Summary - 4th Interval - 3rd Period - 1st Outage
ISI - Code Edition - 1998 Edition, 2000 Addenda

Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Period 3 Sched 3rd Period	Period 3 Comp 3rd Period	% Comp to date	
B-D	B3.120		5	100%	5	2	3	0	2	2	1	60%	Pressurizer nozzle full pen welds.
B-D	B3.140		4	100%	4	0	4	4	0	0	0	100%	SG nozzle full pen welds.
B-D	B3.160	RR-4-2	6	100%	6	6	30	12	12	6	6	N/A	Class 1 HX full pen nozzles. VT-2 each outage per RR-4-2. **Not included in count.**
B-D	B3.90		6	100%	6	6	0	0	0	6	0	N/A	Vessel full pen nozzle welds. Deferral to end of interval allowed per code case. **Not included in count.**
Total:			9		9	2	7	4	2	2	1	78%	Total Percentage completed for B3.120 and B3.140. Other items NA.
B-E	B4.30		1	100%	1	1	0	0	0	1	0	N/A	Reactor Vessel Closure Head Bare Metal Examination. Augmented Examination required every 3rd outage. **Not included in count.**
Total:			1		1	1	0	0	0	1	0	N/A	
B-G-1	B6.10		3	100%	3	1	2	1	1	1	0	67%	RV nuts. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16.

Prairie Island Nuclear Plant Unit 1
Code Compliance Summary - 4th Interval - 3rd Period - 1st Outage
ISI - Code Edition - 1998 Edition, 2000 Addenda

Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Period 3 Sched 3rd Period	Period 3 Comp 3rd Period	% Comp to date	
B-G-1	B6.180		2	0%	0	0	0	0	0	0	0	0%	Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 24 RCP bolts. RCP bolts only when required by B-L-2. **Not included in count.**
B-G-1	B6.190		2	0%	0	0	0	0	0	0	0	0%	Flange surface only required when disassembled. **Not included in count.**
B-G-1	B6.30		3	100%	3	1	2	1	1	1	0	67%	RV studs. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16.
B-G-1	B6.40		1	100%	1	1	0	0	0	1	0	0%	RV ligaments. Deferral to end of interval allowed per IWB-2500-1.
B-G-1	B6.50		3	100%	3	1	2	1	1	1	0	67%	RV washers. Deferral to end of interval allowed per IWB-2500-1. Each component is a set of 16.
Total:			10		10	4	6	3	3	4	0	N/A	Deferral allowed for all items.
B-G-2	B7.20		1	100%	1	0	1	0	1	0	0	100%	Pressurizer studs.
B-G-2	B7.30		4	100%	4	0	4	1	1	0	2	100%	SG studs.
B-G-2	B7.50		11	N/A	0	1	10	3	4	1	3	N/A	Flange bolting only if disassembled or bolting removed. **Not included in count.**
B-G-2	B7.60		4	N/A	0	0	1	1	0	0	0	N/A	Pump bolting only required when required by B-L-2. **Not included in count.**

Prairie Island Nuclear Plant Unit 1
Code Compliance Summary - 4th Interval - 3rd Period - 1st Outage
ISI - Code Edition - 1998 Edition, 2000 Addenda

Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Period 3 Sched 3rd Period	Period 3 Comp 3rd Period	Period 3 % Comp to date	
B-G-2	B7.70		19	N/A	0	3	8	5	3	2	0	N/A	Valve bolting only required when required by B-M-2. **Not included in count.**
Total:			5		5	4	5	1	2	0	2	100%	Total Percentage completed for B7.20 and B7.30. Other items NA.
B-K	B10.10		6	N/A	2	0	1	1	0	1	0	50%	Vessel attachments only one attachment of one of multiple similar vessels.
B-K	B10.20		46	10%	5	2	5	2	2	1	1	100%	Pipe attachments.
B-K	B10.30		3	10%	1	0	1	0	1	0	0	100%	Pump attachments.
Total:			55		8	2	7	3	3	2	1	88%	
B-L-1	B12.10		1	50%	1	1	0	0	0	1	0	0%	Pump casing welds limited to one pump in each group of similar pumps. Deferral to end of interval or disassembly for maintenance allowed.
Total:			1		1	1	0	0	0	1	0	0%	
B-L-2	B12.20		2	0%	0	0	0	0	0	0	0	N/A	Pump casing limited to one pump in each group of similar pumps. Only required when disassembled.
Total:			2		0	0	0	0	0	0	0	N/A	
B-M-2	B12.50		19	0%	0	0	3	1	1	0	1	N/A	Valve body interior limited to one valve in each of 9 groups once each interval. Only required when valve disassembled.

Prairie Island Nuclear Plant Unit 1
Code Compliance Summary - 4th Interval - 3rd Period - 1st Outage
ISI - Code Edition - 1998 Edition, 2000 Addenda

Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Period 3 Sched 3rd Period	Period 3 Comp 3rd Period	% Comp to date	
Total:			19		0	1	3	1	1	0	1	N/A	
B-N-1	B13.10		1	100%	1	0	1	1	0	1	0	N/A	RV interior all accessible areas to be examined once each period.
Total:			1		1	0	1	1	0	1	0	N/A	
B-N-2	B13.50		1	100%	1	1	0	0	0	1	0	N/A	RV interior attachments beltline. Deferral to end of interval allowed per IWB-2500-1
B-N-2	B13.60		1	100%	1	1	0	0	0	1	0	N/A	RV interior attachments not beltline. Deferral to end of interval allowed per IWB-2500-1
Total:			2		2	2	0	0	0	2	0	N/A	
B-N-3	B13.70		1	100%	1	1	0	0	0	1	0	N/A	Core support structure. Deferral to end of interval allowed per IWB-2500-1
Total:			1		1	1	0	0	0	1	0	N/A	
B-O	B14.10		66		4	4	0	0	0	4	0	N/A	10% ot outside Control rod welds. Deferral allowed per IWB-2412(a)3. Replaced 1st period w/ new RV head.
Total:			66		4	4	0	0	0	4	0	N/A	
B-P	B15.00	Multiple	2	100%	2	2	10	4	4	2	2	N/A	Two pressure test procedures each outage.
B-P	B15.80		1	0%	1	1	3	1	1	0	1	N/A	Bare metal visual of RV bottom head every 2nd outage.
Total:			3		3	3	13	0	0	0	1	N/A	

Prairie Island Nuclear Plant Unit 1
Code Compliance Summary - 4th Interval - 3rd Period - 1st Outage
ISI - Code Edition - 1998 Edition, 2000 Addenda

Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Period 3 Sched 3rd Period	Period 3 Comp 3rd Period	% Comp to date	
C-A	C1.10		2	50%	1	0	1	0	0	0	1 (L)	100%	Welds at gross structural discontinuity only. One vessel of similar vessels.
C-A	C1.20		4	50%	2	0	2	1	1	0	0	100%	Head circ welds. One vessel of multiple vessels.
C-A	C1.30		2	50%	1	0	1	1	0	0	0	100%	Tubesheet to shell welds. One vessel of multiple vessels.
Total:			8		4	0	4	2	1	0	0	100%	
C-B	C2.21		2	50%	1	0	1	0	0	0	1	100%	Nozzle to shell. One of multiple vessels.
C-B	C2.22		2	50%	1	0	1	0	1	0	0	100%	Nozzle inside radius. One of multiple vessels.
C-B	C2.31		4	50%	2	0	2	1	0	0	1	100%	Reinforcing plates. One of multiple vessels.
Total:			8		4	0	4	1	1	0	2	100%	
C-C	C3.10		12	10%	2	0	2	1	0	0	1 (L)	100%	Vessel attachment welds. One of similar vessels.
C-C	C3.20		115	10%	12	5	7	3	4	5	0	71%	Piping weld attachments
C-C	C3.30		16	10%	2	1	2	0	0	0	2	100%	Pump weld attachments
C-C	C3.40		2	0%	0	1	0	0	0	1	0	0%	Valve weld attachments
Total:			145		16	7	11	4	4	6	3	69%	
C-H	C7.00	N-533-1	14	100%	14	4	35	14	14	10	4	N/A	Class 2 pressure tests completed once each period Some completed after outage.
Total:			14		14	4	35	14	14	10	4	N/A	
D-A	D1.10		8	50%	4	0	4	1	1	0	2	100%	Vessel attachment welds
D-A	D1.20		82	10%	9	3	6	2	3	3	1	67%	Pipe attachment welds
D-A	D1.30		0	10%	0	0	0	0	0	0	0		Pump attachment welds.

Prairie Island Nuclear Plant Unit 1
Code Compliance Summary - 4th Interval - 3rd Period - 1st Outage
ISI - Code Edition - 1998 Edition, 2000 Addenda

Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Period 3 Sched 3rd Period	Period 3 Comp 3rd Period	% Comp to date	
Total:			90		13	3	10	3	4	3	3	77%	
D-B	D2.10	Multiple	7	100%	21	0	17	7	7	4	3	81%	Class 3 pressure tests completed once each period. Some completed after outage.
Total:			7		21	0	17	7	7	4	3	81%	
F-A	F1.10a		45	25%	12	2	10	4	4	2	2	83%	Class 1 pipe supports one direction
F-A	F1.10b		94	25%	24	7	17	8	8	7	1	71%	Class 1 pipe supports multidirectional
F-A	F1.10c		65	25%	17	2	14	5	5	2	4	82%	Class 1 pipe supports thermal movement (springs).
F-A	F1.20a		106	15%	16	4	13	5	6	4	2	81%	Class 2 pipe supports one direction
F-A	F1.20b		80	15%	12	4	9	4	4	4	1	75%	Class 2 pipe supports multidirectional
F-A	F1.20c		57	15%	9	2	7	3	3	2	1	78%	Class 2 pipe supports thermal movement (springs).
F-A	F1.30a		213	10%	22	5	17	6	7	5	4	77%	Class 3 pipe supports one direction
F-A	F1.30b		104	10%	11	3	8	3	4	3	1	72%	Class 3 pipe supports multidirectional
F-A	F1.30c		45	10%	5	0	5	2	2	0	1	100%	Class 3 pipe supports thermal movement (springs).
F-A	F1.40		78	N/A	0	2	43	19	11	2	13	N/A	Other supports Class 1,2,3, MC. **Not included in count.**
Total:			887		128	29	100	40	43	29	17	78%	
R-A	R1.11-2		84	25%	21	0	21	9	7	0	5	100%	RI-ISI Thermal fatigue high risk
R-A	R1.11-5		46	10%	5	0	6	4	1	0	1	100%	RI-ISI Thermal fatigue medium risk

Prairie Island Nuclear Plant Unit 1
Code Compliance Summary - 4th Interval - 3rd Period - 1st Outage
ISI - Code Edition - 1998 Edition, 2000 Addenda

Cat.	Item No.	Code Case	Population	Percent Required	Total Required	Total Sched	Total Comp to Date	Comp 1st Period.	Comp 2nd Period	Period 3 Sched 3rd Period	Period 3 Comp 3rd Period	% Comp to date	
R-A	R1.16-2		2	25%	1	0	1	1	0	0	0	100%	PWSSC high risk (pressurizer nozzle)
R-A	R1.16-5		4	10%	1	0	0	1(L)	0	0	0	100%	SCC high risk. Completed one limited examinaiton. Relief request 1-RR-4-6.
R-A	R1.18-6		8	0%	0	0	0	0	0	0	0	N/A	SCC medium risk. **Not included in count.**
R-A	R1.19-5		4	10%	1	0	1	0	0	0	1	100%	ECSCC medium risk
R-A	R1.20-4		774	10%	78	3	76	22	27	3	27	97%	Not subject to damage medium risk
R-A	R1.20-6		673	0%	0	0	0	0	0	0	0	N/A	Not subject to damage low risk. **Not included in count.**
R-A	R1.20-7		28	0%	0	0	0	0	0	0	0	N/A	Not subject to damage low risk. **Not included in count.**
Total:			1623		107	3	105	37	35	3	34	98%	

Section 4. IWE Examinations (1 page attached)

The following table summarizes the IWE inspections performed in cycle 27. Inspections are listed by class, category and site summary number. The second IWE interval (September 10, 2008 through September 9, 2018) is based on the examination requirements of the 2001 Edition with 2003 Addenda of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code Section XI with limitations and modifications as required by Title 10 of the Code of Federal Regulation, Part 50.55a. As such, there is only one category (E-A) and two item numbers (E1.11 and E1.30) in scope for the second IWE interval. There are currently no surfaces requiring augmented examination under category E-C. There were no indications of the containment vessel requiring evaluation, corrective actions, nor successive or augmented examinations. The moisture barrier showed several minor indications of lack of adhesion or tears ranging up to 7 inches long. These indications were accepted by repair and preservice inspection.

The number and percentage of examinations or tests completed are included in this section as required by IWA-6220(f).

It should be noted minor refueling cavity leakage was reported in the regen heat exchanger room (AR 01358888). There was no indication this leakage contacted the containment vessel and no conditions in accessible areas that could indicate the presence of or result in degradation to inaccessible areas that would require evaluation in accordance with 10CFR 50.55a (b)(2)(ix)(A).

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Prairie Island Nuclear Plant
Inservice Inspection Report
Unit 1 Interval 2, Period 2, Outage 1, PI1RF2012_IWE

1. Owner: Xcel Energy
2. Plant: Prairie Island Nuclear Generating Plant
3. Plant Unit: 1
4. Owner Certificate of Authorization (If Req.): NA
5. Commercial Service Date: 12/16/1973
6. National Board Number for Unit: NA

Summary No.	Comp. ID	Comp. Desc.	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
Class IWE	**Category E-A**							
400430	**PI1-MB**	**Moisture Barrier**	**E1.30**	**FP-PE-NDE-540**	**VT / 2012V085 / IND**	**PC**	**ISI-301**	**10/25/2012**
				FP-PE-NDE-540	**VT / 2012V141 / IND**	**PC**	**ISI-301**	**11/30/2012**
				FP-PE-NDE-540	VT / 2012V147 / NAD	PC	ISI-301	12/12/2012
Comments:	**Moisture Barrier minor damage accepted by corrective action and reinspected sat. AR 1357438, AR 1361498 and WO 395957.**							
Class MC	**Category E-A**							
400001	PI1-C	Accessible Surface Area	E1.11	FP-PE-NDE-540	VT / 2012V087 / NAD	PC	Program Plan	10/25/2012
406035	Primary Containment Bolting	Bolted Connections	E1.11	FP-PE-NDE-540	VT / 2012V086 / NAD	PC	Program Plan	10/25/2012

IWE Code Compliance Summary - Second Interval
ISI Code Edition - 2001 Edition, 2003 Addenda

Cat.	Item No.	Code Case	Population	Percent Required	Total Required for Interval	Total Sched	Total Comp	Comp Period 1	Comp Period 2	Sched Period 2	Comp Period 3	Sched Period 3	Notes
E-A	E1.11		2	100%	6	2	4	2	2	0	0	2	Accessible Surface areas 100% each period.
Total:			2		6	2	4	2	2	0	0	2	
E-A	E1.30		1	100%	3	1	2	1	1	0	0	1	Moisture Barriers 100% each period.
Total:			1		3	1	2	1	1	0	0	1	
E-C	E4.10		0	0%	0	0	0	0	0	0	0	0	Areas requiring Augmented Examination.
Total:			0		0	0	0	0	0	0	0	0	

Section 5. Pressure Tests (2 pages)

The following are Unit 1, class 1 and class 2 pressure tests completed or scheduled in the third period (cycle 27 and cycle 28) as noted. All pressure test indications were evaluated and corrective measures performed as required by IWA-5250, IWB-3142 and IWC-3132.

Code Class 1 & 2 Pressure Tests Unit 1 Period 3 (Cycle 27 & 28)					
System	**Category**	**Procedure**	**Class**	**WO#**	**Comp/Sch**
Reactor Coolant	B-P	SP 1070 Reactor Coolant System Integrity Test	1*	425923	12/30/2012 (1R28)
Reactor Coolant	B-P	SP 1070 Reactor Coolant System Integrity Test	1	436712	Scheduled (1R29)
Reactor Vessel	B-P	SP 1421 Bare Metal Visual Exam of Bottom RV Head	1	425933	12/17/2012** (1R28)
Reactor Vessel	B-P	SP 1403 Bare Metal Visual Exam of Top RV Head	1		Scheduled*** (1R29)
RC, SI, VC, RH, CS, SF	B-P, C-H	SP 1392 Unit 1 Insulated Bolted Connection Inspection	1/2	396677	12/18/2012 (1R28)
RC, SI, VC, RH, CS, SF	B-P, C-H	SP 1392 Unit 1 Insulated Bolted Connection Inspection	1/2	436724	Scheduled (1R29)
Comp Cooling	C-H	SP 1168.4A Component Cooling Class 2	2	425965	12/30/2012 (1R28)
Aux Feed	C-H, D-B	SP 1168.6 Aux Feed System	2/3	451255	Scheduled Online
Caustic Addition	C-H	SP 1168.7 Caustic Addition System	2	443489	1/19/2013 (1R28)
Cooling Water	C-H, D-B	SP 1168.8B Cooling Water to Unit 1 FCU's Pressure Test	2/3	425899	11/2/2012 (1R28)
Residual Heat Removal	C-H	SP 1168.10 Residual Heat Removal System	2	425899	11/2/2012 (1R28)
Main Steam	C-H	SP 1168.11 Main Steam	2	425915	Scheduled (1R29)
SI Accumulator	C-H	SP 1168.12 Safety Injection Accumulators	2	425937	Scheduled (1R29)

Safety Injection	C-H	SP 1168.13 Safety Injection System Pressure Test	2	425938	12/12/2012 (1R28)
Containment Spray	C-H	SP 1168.14 Containment Spray Pressure Test	2	454706	Scheduled Online
Hydrogen Control	C-H	SP 1168.15 Post LOCA Hydrogen Control System Pressure Test	2	425959	12/3/2012 (1R28)
Chemical Volume Control System	C-H	SP 1168.16 Chemical and Volume Control System Pressure Test	2	451252	Scheduled Online
Main and Aux Feed	C-H	SP 1168.17 Feedwater System Pressure Test	2	425911	1/16/2013 Online
Sampling System	C-H	SP 1168.19 Sampling System	2	425941	12/29/2012 (1R28)
Aux Building Trench	C-H	SP 1168.25 Auxiliary Building Trench Pressure Test	2	425925	Scheduled Online

* Inspection of class 1 components required each refueling outage. Inspection of class 2 required once each period.
** Bottom RV head inspection required every second outage per code case N-722-1.
*** Top RV head inspection required lesser of 3 outage or 5 years per code case N-729-1.

Section 6. Snubber Inservice Testing and Preservice Examinations (3 pages attached)

Appendix A for SP 1225
Summary description of Snubber visual inspection and
Functional testing for 1R28

There were a total of 21 snubbers scheduled for testing in 1R28. All functional tests were SAT.. Seventeen of the twenty-one were Basic-PSA hydraulic snubbers, these snubbers had spares rebuilt and tested SAT prior to installation. The Basic-PSA snubbers that were removed were tested in the as found condition and all were also SAT. There was one ITT Grinnel snubber that was removed, tested and then reinstalled, which passed functional testing as well. There was one Paul Monroe snubber that was functionally tested SAT and reinstalled. Finally two steam generator valve blocks were replaced with rebuilt spares. All valve blocks were tested SAT. There was no scope expansion from failed testing on sample population during lR28. Most of the testing was performed by a Basic-PSA field representative, with a few tests performed by in-house maintenance after Basic-PSA field representative departure.

The visual inspections SP 1171 and TP 1535 were performed by LMT.
1-CH-78, had been replaced during 1R27 and additional testing was required in 1R28 due to the failure during functional testing in accordance with the snubber program (ref: H20, section 5.3.4), (WO#434021).. This snubber passed the functional test.

Other issues identified during the visual inspections were addressed by performing minor maintenance on the snubbers. Snubbers that did not have an acceptable level of fluid or had other minor issues were corrected per various tasks associated with WO#'s 450902. The snubbers that were inaccessible were not inspected.

Several snubbers were identified as missing its ID tag. AR 01357335, 01358136 & 01358729 were initiated to make labels for those snubbers. Some snubbers were not installed in accordance with the snubber drawing (e.g.backward). Those snubbers were orientated with the vent cap in the uppermost position, which is in accordance with the snubber program but in conflict with the drawings. Those snubbers are fully capable of performing their safety function in this configuration. During snubber replacement, all snubber paddles and devises spherical bearings were cleaned and coated with neverseez in accordance with maintenance general practice. All snubbers removed from service due to service life testing or due to interferences from other work were visually VT-3 inspected.

12/1/12

Table 2 Snubber Functional Test Summary

SNUBBER NO.	FUNCTIONAL TEST WO	PI # REMOVED	PI # REPLACED	TEST RESULTS
1-AFWH-84	434341	90	98	SAT
1-CCH-318	434342	80	246	SAT
1-CCH-319	434343	284	294	SAT
1-CCH-320	434344	200	224	SAT
1-CCH-349	434345	238	349	SAT
1-CCH-350	434346	418	220	SAT
1-CCH-354	434347	446	34	SAT
1-CCH-377	434348	416	131	SAT
1-CCH-378	434349	292	286	SAT
1-CWRH-81	434350	133	509	SAT
1-CWRH-82	434351	577	133	SAT
1-MSDH-26A	434352	8	147	SAT
1-MSDH-26B	434353	2	498	SAT
1-MSH-67A	434354	546	106	SAT
1-MSH-107A	434355	540	100	SAT
1-MSH-107B	434356	507	462	SAT
1-RCRH-47A	434360	565	565	SAT
1-MSH-108	434359	1108	1108	SAT

Table 2 Snubber Functional Test Summary

SNUBBER NO.	FUNCTIONAL TEST WO	PI # REMOVED	PI # REPLACED	TEST RESULTS
115/402 VB	434357	-04	-01	SAT
125/402 VB	434358	-08	-09	SAT
1-CH-78	434021	273	273	SAT
		Not Used		

Section 7. Steam Generator Eddy Current Examination Results.

Examination Category **B-Q,** Steam Generator Tubing, is reported per the requirements of the Plant Technical Specifications.

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Section 8. Repair/Replacement Activities for Cycle 27 (94 pages attached)

47 NIS-2 forms are attached which identify Prairie Island Unit 1 Repair/ Replacement Activities during fuel cycle 27, 4th ISI Interval. The gaps in item number sequence are due to cancelled or unfinished R/R activities.

Item #	WO, EEC, MOD #s	Description of Work Completed	SYSTEM	Code Class
1-27-001	409113-01, EC-16381	Install vent at high point in piping to comply with GL08-01.	RH	2
1-27-002	376988-01	Replaced body to bonnet fasteners.	ZH	3
1-27-003	75988-01	Replaced body to bonnet fasteners.	ZH	3
1-27-007	448276-01	Rebuilt spare charging pump packing assemblies.	VC	2
1-27-009	462624-01	Replaced section of pipe.	ZH	3
1-27-010	460988-01, 460988-08, 406988-11	Prefabricated new internal check valve assembly and replaced within the valve. Replaced 2 body to bonnet fastener studs and all body to bonnet nuts.	RC	1
1-27-012	460990-04	Replaced valve, associated piping, and support antitravel lugs. New valve also required disassembly for inspection and maintenance, which required the canopy weld to be severed and rewelded after maintenance.	SI	1
1-27-013	286550-01	Replaced plug.	ZX	3
1-27-014	404174-01, EC-17150	Replaced valve	RC	1
1-27-015	446322-01, EEC-1618	Replaced valves.	CC	3
1-27-017	434358-01	Replaced valve block.	SG	1
1-27-018	434357-01	Replaced valve block.	SG	1
1-27-020	381585-10	Replaced manway fasteners.	SI	2
1-27-021	426173-01, EC-15389	Replaced mechanical seals with new cartridge type seals with integral gland plate.	CC	3
1-27-022	439439-01, EC-16381	Install vent at high point in piping to comply with GL08-01.	RH	2
1-27-023	459784-01, EC-19490	Modified wedge to prevent pressure locking.	SI	2
1-27-024	432633-01, IEE-2011-100	Replaced valve.	CL	3
1-27-025	459783-01, EC-19490	Modified wedge to prevent pressure locking.	SI	2
1-27-026	461928-06, EC-20212	Install high point vent to remove non-condensable gases from the RCS. Increased the line and valve size to 1" and added new support.	RC	1
1-27-028	431025-01	Remove and reweld support integral attachment.	RH	2

Item #	WO, EEC, MOD #s	Description of Work Completed	SYSTEM	Code Class
1-27-029	357044-01, 357044-09, EC-21085	Restored base material eroded due to bent bar rubbing at support. Support modified to bring it into specified design.	VC	1
1-27-030	434353-05	Replaced piston.	SN	yes
1-27-031	436913-01, EC-13768	Replaced internal trim including the plug.	AF	3
1-27-033	434079-07, EEC-1096	Replaced existing Superbolt nut like-for-like due to damage during removal.	MS	2
1-27-034	359738-01	Replaced valve internals.	MS	2
1-27-035	395735-04	Replaced secondary manway cover fastener set at hole #10.	SG	2
1-27-037	416694-01	Replaced the valve disc and body to cover fasteners.	SI	1
1-27-038	387807-01	Replaced mechanical seal.	RH	2
1-27-039	407259-16	Plugged tubes in Heat Exchanger.	RH	2
1-27-040	416695-01	Replaced the valve disc.	SI	1
1-27-041	467445-01	Replaced body to bonnet fasteners.	RH	1
1-27-042	406143-01	Replaced inlet flange fasteners.	RH	2
1-27-043	467778-01, EC-21095	Replaced piping segment and associated flange fasteners.	CL	3
1-27-044	372187-05	Replaced 2 manway fastener sets.	CC	3
1-27-045	434080-01	Replaced existing Superbolt nuts like-for-like due to damage during removal.	MS	2
1-27-046	434078-01	Replaced existing Superbolt nuts like-for-like due to damage during removal.	MS	2
1-27-047	399970-01, IEE 2011-099	Replaced disc with stronger material.	AF	3
1-27-048	414263-01, IEE-2012-123	Replace the valve plug.	VC	2
1-27-049	468512-01, EC-21134	Installed flush patch to restore pipe corroded due to MIC.	CL	3
1-27-051	398397-01	Replaced body to bonnet fastener set.	RH	2
1-27-052	396243-03	Replaced inlet flange nut.	RC	1
1-27-053	422883-01	Replaced the flange fasteners due to corrosion.	CL	3
1-27-054	459748-01	Tack welded plug to plug nut due to the valve stem replacement.	MS	2
1-27-055	467950-01	Replaced CC piping support eye rod to meet the designed configuration.	CC	3
1-27-056	469996-01	Cut out and rewelded pipe to fitting to attain proper flange to flange alignment.	RC	1
1-27-057	468269-01	Shortened pipe section to obtain the proper slope condition.	RC	1
1-27-058	470096-01, EEC-1554	Replaced bonnet assembly.	VC	2

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-001**

1. Owner Xcel Energy, NSP-M Nuclear Department — Name — Date 10/4/2011

2. Plant Prairie Island Nuclear Generating Plant — Name — Sheet 1 of 2

1717 Wakonade Dr. E, Welch Minnesota 55089 — Address — 409113-01, EC-16381 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner — Name — Type Code Symbol Stamp N/A

Same — Address — Authorization N/A — Expiration Date N/A

4. Identification of System RH — Code Class 2

5. (a) Applicable Construction Code B31.1, 1967 Edition/Addenda — Addenda n/a — Code Cases n/a

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A

(c) Applicable Section XI Code Cases None

6. Identification of Components

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
RH System Piping				2-RH-18		Installed	☐

7. Description of Work: Install vent at high point in piping to comply with GL08-01.

8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑ Exempt ☐

Other ☐ Pressure NOP psi Test Temp. NOT °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-001**

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 10/4/11 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 21 DEC 10 to 07OCT 11, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB 10085 A-N-1

National Board, Province and Endorsements

Date October 07 , 2011

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-002**

1. **Owner** Xcel Energy, NSP-M Nuclear Department — **Date** 4/9/2012
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 376988-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** ZH — **Code Class** 3
5. **(a) Applicable Construction Code** B16.34, n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
LOOP A & B CHLD WTR SPLY HDRS X-CONN	Powell			ZH-22-1		Corrected	☐

7. **Description of Work** Replaced body to bonnet fasteners.
8. **Tests conducted:** Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑
   Other ☐ Pressure _____ psi Test Temp. _____ ° F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-002**

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 4/9/12, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 09AUG11 to 13APR12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions NB 1085 A.N.I MN 01924

Inspector's Signature National Board, Province and Endorsements

Date April 13, 2012

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-003**

1. **Owner** Xcel Energy, NSP-M Nuclear Department — **Date** 2/22/2012
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 75988-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** ZH — **Code Class** 3
5. (a) **Applicable Construction Code** B16.34, n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
121/122 CONT RM CHLD WTR PMPS SUCT X-CONN	Powell			ZH-1-8		Corrected	☐

7. **Description of Work** Replaced body to bonnet fasteners.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ ° F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-003**

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 2/22/12, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 18AUG11 to 23FEB12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions NB 10085 A.N.I MN 81924

Inspector's Signature National Board, Province and Endorsements

Date February 23, 2012

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-007**

1. **Owner** Xcel Energy, NSP-M Nuclear Department — **Date** 8/3/2012
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E; Welch Minnesota 55089 — 448276-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** VC — **Code Class** 2
5. **(a) Applicable Construction Code** n/a , n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
Spare Charging Pump Packing Assemblies	Goulds			Spares		Corrected	☐

7. **Description of Work** Rebuilt spare charging pump packing assemblies.
8. **Tests conducted:** Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-007**

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 8/3/12, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 24FEB12 to 03AUG12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions 10085 A.N.I. MN 21924
National Board, Province and Endorsements

Date August 03, 2012

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-009**

1. **Owner** NSPM d/b/a Xcel Energy — Name — **Date** 8/27/2012

2. **Plant** Prairie Island Nuclear Generating Plant — Name — **Sheet** 1 of 2

1717 Wakonade Dr. E, Welch Minnesota 55089 — Address — 462624-01 — Repair Organization P.O. No., Job No., etc

3. **Work Performed by** Owner — Name — **Type Code Symbol Stamp** N/A

Same — Address — **Authorization** N/A

Expiration Date N/A

4. **Identification of System** ZH — **Code Class** 3

5. (a) **Applicable Construction Code** B31.1, 1967 **Edition/Addenda**

Addenda n/a — **Code Cases** n/a

(b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A

(c) **Applicable Section XI Code Cases** None

6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
Chilled Water Pipe	n/a			3-ZH-2		Installed	☐

7. **Description of Work** Replaced section of pipe.

8. **Tests conducted:** Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑ Exempt ☐

Other ☐ **Pressure** NOP psi **Test Temp.** NOT °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-009**

9. Remarks VT-2 recorded on Report BOP-VT-12-061.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 8/27/12,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 02JUL12 to 03OCT12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions 1085 A.N.I MN. 21924
National Board, Province and Endorsements

Date October 03, 2012

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-010**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 3/4/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 460988-01, 460988-08, 406988-11
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** RC — **Code Class** 1
5. (a) **Applicable Construction Code** B16.34, — n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
Cold Leg Inject Line to Loop B Cold Leg Check	Velan			SI-9-1		Corrected	☐

7. **Description of Work** Prefabricated new internal check valve assembly and replaced within the valve. Replaced 2 body to bonnet fastener studs and all body to bonnet nuts.
8. **Tests conducted:** Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑
   Other ☐ Pressure _____ psi Test Temp. _____ ° F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-010**

9. Remarks Pre-Service VT-1 exams recorded on Report #'s 2012V129 and 2012V140.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 3/6/13

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 11JUL12 to 20MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 12085 A.N.I MN 01924

Inspector's Signature National Board, Province and Endorsements

Date March 06, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-012**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 3/14/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 460990-04
   Address — **Repair Organization P.O. No., Job No., etc**
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** SI — **Code Class** 1
5. **(a) Applicable Construction Code** B16.34, n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
Cold Leg INJ Line to loop B Cold Leg Chk valve	Rockwell Edwards			SI-16-4		Installed	☐
Antitravel Lugs				1-RSIH-94		Installed	☐

7. **Description of Work** Replaced valve, associated piping, and support antitravel lugs. New valve also required disassembly for inspection and maintenance, which required the canopy weld to be severed and rewelded after maintenance.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☑ **Exempt** ☐
   Other ☐ **Pressure** NOP **psi** **Test Temp.** NOT **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-012**

9. Remarks Pre-service surface exams documented on reports 2012P009 thru 2012P013. Pre-service UT exams recorded on reports 2012U081, 2012U082, and 2012U083. VT-2 exam recorded on report BOP-VT-13-017.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 3/14/13,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 19JUL12 to 14MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions 10085 ANI MN 21924

National Board, Province and Endorsements

Date March 14, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-013**

1. **Owner** Xcel Energy, NSP-M Nuclear Department — **Date** 8/1/2012
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 286550-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** ZX — **Code Class** 3
5. **(a) Applicable Construction Code** B16.34 , n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
12/14 FCU CLG WTR RTRN CV	Masoneilan			CV-39409		Corrected	☐

7. **Description of Work** Replaced plug.
8. **Tests conducted:** Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Other: Exercise and function testing per IST requirements.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-013**

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 8/1/2012, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 28MAY08 to 01AUG12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions NB 10085 A.N.I. MN 21924

Inspector's Signature National Board, Province and Endorsements

Date 1 - August 01, 2012

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-014**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 2/22/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 404174-01, EC-17150
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name — **Authorization** N/A
   Same — **Expiration Date** N/A
   Address
4. **Identification of System** RC — **Code Class** 1
5. **(a) Applicable Construction Code** B31.1, 1967 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
U1 PRZR SPRAY LINE DRN valve	Rockwell Edward			RC-8-10		Installed	☐

7. **Description of Work** Replaced valve
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-014

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 2/22/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 06AUG-12 to 04MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Commissions 1108S A.N.I MN 21924

Inspector's Signature

National Board, Province and Endorsements

Date March 04 , 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-015**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 1/8/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 446322-01, EEC-1618
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** CC — **Code Class** 3
5. **(a) Applicable Construction Code** B31.1, 1967 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11 CC SURGE TNK L24064 ROOT VLV	Vogt			LA-1-48		Installed	☐
11 CC SURGE TNK L24064 ROOT VLV	Vogt			LA-1-47		Installed	☐

7. **Description of Work** Replaced valves.
8. **Tests conducted:** Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑ Exempt ☐
   Other ☐ Pressure NOP psi Test Temp. NOT ° F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-015**

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 1/8/2013,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 06SEP12 to 12MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions 12085 A-N-I MN 01924

National Board, Province and Endorsements

Date March 12, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-017**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 12/12/2012
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 434358-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** SG — **Code Class** 1
5. (a) **Applicable Construction Code** B31.1, 1967 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
SG Snubber Block Valve	McDowell Welman	72218-000-09		12S/G 02		Installed	☐

7. **Description of Work** Replaced valve block.
8. **Tests conducted:** Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ ° F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-017**

9. Remarks VT-3 exam recorded on report 2012V118

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 12/12/12, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 05SEP12 to 09JAN13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 16085 A-N-I MN 01924

Inspector's Signature National Board, Province and Endorsements

Date January 09, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-018**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 12/4/2012
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 434357-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** SG — **Code Class** 1
5. **(a) Applicable Construction Code** B31.1, 1967 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
SG Snubber Block Valve	McDowell Welman	72218-000-01		11S/G 02		Installed	☐

7. **Description of Work** Replaced valve block.
8. **Tests conducted:** Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-018**

9. Remarks VT-3 exam recorded on Report # 2012V119

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 12/4/12, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 14SEP12 to 11DEC12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions NB 6685 A.N.I. MN 21924

Inspector's Signature National Board, Province and Endorsements

Date December 11, 2012

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-020**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 12/17/2012
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 381585-10
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** SI — **Code Class** 2
5. (a) **Applicable Construction Code** API-650 , n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11 RWST	Chicago Bridge and Iron			153-081		Corrected	☐

7. **Description of Work** Replaced manway fasteners.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ **psi** **Test Temp.** _____ **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-020**

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 12/17/12, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 19SEP12 to 27DEC12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 12085 A.N.I. MN 21924

Inspector's Signature National Board, Province and Endorsements

Date December 07, 2012

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-021**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 2/21/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 426173-01, EC-15389
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** CC — **Code Class** 3
5. **(a) Applicable Construction Code** n/a , n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
12 CC pump	Goulds	222B996-2		145-122		Corrected	☐

7. **Description of Work** Replaced mechanical seals with new cartridge type seals with integral gland plate.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-021**

9. Remarks _____

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CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 2/21/13, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 26SEP12 to 27FEB13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 17085 A.N.I MN 01924

Inspector's Signature National Board, Province and Endorsements

Date February 27, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-022**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 2/8/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 439439-01, EC-16381
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** RH — **Code Class** 2
5. (a) **Applicable Construction Code** B31.1, 1967 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
RHR System Piping				2-RH-12		Installed	☐

7. **Description of Work** Install vent at high point in piping to comply with GL08-01.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☑ **Exempt** ☐
   Other ☐ **Pressure** NOP **psi** **Test Temp.** NOT **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-022**

9. Remarks VT-2 pressure test recorded on report BOP-VT-12-142.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 2/8/13,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 12OCT12 to 24FEB13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions 12085 A-N-1 MN 21924

National Board, Province and Endorsements

Date February 20, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-023**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 3/6/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 459784-01, EC-19490
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** SI — **Code Class** 2
5. **(a) Applicable Construction Code** B16.34, n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
12 RHR HX TO 12 SI PUMP SUCT ISOL MV	Crane/Alloyco			MV-32207		Corrected	☐

7. **Description of Work** Modified wedge to prevent pressure locking.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-023**

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 3/6/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 05 OCT 12 to 06 MAR 13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions 12085 A N I MN 21924

National Board, Province and Endorsements

Date March 06, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-024**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 10/24/2012
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 432633-01, IEE-2011-100
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name — **Authorization** N/A
   Same — **Expiration Date** N/A
   Address
4. **Identification of System** CL — **Code Class** 3
5. (a) **Applicable Construction Code** B31.1, 1967 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
121 CLG WTR PMP DISCH CHK	Crane			CL-43-3		Installed	☐

7. **Description of Work** Replaced valve.
8. **Tests conducted:** Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-024**

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 10/24/12, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 12OCT12 to 03NOV12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 12085 A.N.I MN 01924

Inspector's Signature National Board, Province and Endorsements

Date November 3, 2012

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-025**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 3/6/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 459783-01, EC-19490
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** SI — **Code Class** 2
5. (a) **Applicable Construction Code** B16.34, n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11 RHR HX TO 11 SI PUMP SUCT ISOL MV	Crane/Alloyco			MV-32206		Corrected	☐

7. **Description of Work** Modified wedge to prevent pressure locking.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-025

9. Remarks _____

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_____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 3/6/13

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 17OCT12 to 06MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 12085 AN1 MN 01924

Inspector's Signature National Board, Province and Endorsements

Date March 06, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-026**

1. **Owner** NSPM d/b/a Xcel Energy — **Name**
   Date 12/6/2012
2. **Plant** Prairie Island Nuclear Generating Plant — **Name**
   Sheet 1 **of** 2
   1717 Wakonade Dr. E, Welch Minnesota 55089 — **Address**
   461928-06, EC-20212 — **Repair Organization P.O. No., Job No., etc**
3. **Work Performed by** Owner — **Name**
   Type Code Symbol Stamp N/A
   Same — **Address**
   Authorization N/A
   Expiration Date N/A
4. **Identification of System** RC
   Code Class 1
5. (a) **Applicable Construction Code** ASME III, Class 1 , 1983 **Edition/Addenda**
   Addenda n/a **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
RX Head Vent Orifice Bypass valve	Rockwell			RC-8-33		Installed	☐
RCGVS Support				1-RCGV-32		Installed	☐

7. **Description of Work** Install high point vent to remove non-condensable gases from the RCS. Increased the line and valve size to 1" and added new support.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ **psi** **Test Temp.** _____ **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-026**

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 12/6/12 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 18OCT12 to 01FEB13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions 12085 A.N.I MN 21924

National Board, Province and Endorsements

Date February 01, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-028**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 1/15/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 431025-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** RH — **Code Class** 2
5. (a) **Applicable Construction Code** B31.1 , 1967 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
RH piping support				1-RHRH-28		Corrected	☐

7. **Description of Work** Remove and reweld support integral attachment.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ **psi** **Test Temp.** _____ **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-028**

9. Remarks VT-3 PSI exam recorded on Report 2012V139. PT PSI exam recorded on report 2012P015.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 1/15/13,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 26OCT12 to 16JAN13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Gerald J. Daly Commissions 12085 A.N.I. MN 21924

Inspector's Signature National Board, Province and Endorsements

Date January 16, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-029**

1. **Owner** NSPM d/b/a Xcel Energy — **Name**
   Date 12/17/2012
2. **Plant** Prairie Island Nuclear Generating Plant — **Name**
   1717 Wakonade Dr. E, Welch Minnesota 55089 — **Address**
   Sheet 1 **of** 2
   357044-01, 357044-09, EC-21085 — **Repair Organization P.O. No., Job No., etc**
3. **Work Performed by** Owner — **Name**
   Same — **Address**
   Type Code Symbol Stamp N/A
   Authorization N/A
   Expiration Date N/A
4. **Identification of System** VC
   Code Class 1
5. **(a) Applicable Construction Code** AWS D1.6 / ASME B31.1 , 1967 **Edition/Addenda**
   Addenda n/a **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
VC pipe support				1-RCVCH-1296		Corrected	☐
VC pipe segment				2-VC-21B		Corrected	☐

7. **Description of Work** Restored base material eroded due to bent bar rubbing at support. Support modified to bring it into specified design.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ **psi** **Test Temp.** _____ **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-029**

9. Remarks PIS VT-3 exam recorded on report # 2012V146

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 3/11/13, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 26OCT12 to 11MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 12085 A.N.I MN 01924

Inspector's Signature National Board, Province and Endorsements

Date March 11, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-030**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 12/4/2012
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 434353-05
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** SN — **Code Class** yes
5. **(a) Applicable Construction Code** B31.1, 1967 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
Snubber	Basic Engineering			PI-498		Corrected	☐

7. **Description of Work** Replaced piston.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ **psi** **Test Temp.** _____ **° F**

Other: Snubber will be functionally tested after reassembly. Test results will be attached to the work order.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-030

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 12/4/12 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 29OCT12 to 11 DEC 12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions 10085 A.N.I. MN 21924

National Board, Province and Endorsements

Date December 11, 2012

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-031**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 2/21/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 436913-01, EC-13768
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** AF — **Code Class** 3
5. **(a) Applicable Construction Code** ASME III , 1968 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11 TD AFW PMP MS SPLY control valve	Copes Vulcan			CV-31998		Corrected	☑

7. **Description of Work** Replaced internal trim including the plug.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-031

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 2/22/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 31OCT12 to 28FEB13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Commissions 12085 A-N-1 . MN 01924

Inspector's Signature

National Board, Province and Endorsements

Date February 28 , 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-033**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 2/26/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 434079-07, EEC-1096
   Address — **Repair Organization P.O. No., Job No., etc**
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address
   Expiration Date N/A
4. **Identification of System** MS — **Code Class** 2
5. **(a) Applicable Construction Code** B16.34, N/A **Edition/Addenda**
   Addenda N/A — **Code Cases** N/A
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
RS-21-4	Dresser	BM9535	N/A	Model 3787	1967	corrected	☐

7. **Description of Work** Replaced existing Superbolt nut like-for-like due to damage during removal.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ **psi** **Test Temp.** _____ **° F**

Other: N/A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-033**

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 2/26/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 09NOV12 to 01MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions 12085 A.N.I MN 21924

National Board, Province and Endorsements

Date March 01, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-034**

1. Owner NSPM d/b/a Xcel Energy — Name — Date 1/8/2013

2. Plant Prairie Island Nuclear Generating Plant — Name — Sheet 1 of 2

1717 Wakonade Dr. E, Welch Minnesota 55089 — Address — 359738-01 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner — Name — Type Code Symbol Stamp N/A

Same — Address — Authorization N/A

Expiration Date N/A

4. Identification of System MS — Code Class 2

5. (a) Applicable Construction Code B16.34, n/a Edition/Addenda — Addenda n/a — Code Cases n/a

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A

(c) Applicable Section XI Code Cases None

6. Identification of Components

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
12 SG PORV	Copes Vulcan	701-95074-1-2		CV-31089	1969	corrected	☐

7. Description of Work Replaced valve internals.

8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑

Other ☐ Pressure _____ psi Test Temp. _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-034

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 1/8/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 09NOV12 to 08JAN13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Commissions 12085 A.N.I. MN 21924

Inspector's Signature

National Board, Province and Endorsements

Date January 08, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-035**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 1/30/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 395735-04
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** SG — **Code Class** 2
5. **(a) Applicable Construction Code** ASME III , 1995 **Edition/Addenda**
   Addenda 1996 — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
12 Steam Generator	Framatome ANP	GV/PI292	162	134-012	2003	Corrected	☑

7. **Description of Work** Replaced secondary manway cover fastener set at hole #10.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-035**

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 1/30/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 14Nov12 to 04FEB13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions 12085 A.N.I MN 21924

National Board, Province and Endorsements

Date February 04, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-037**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 1/14/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 416694-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** SI — **Code Class** 1
5. (a) **Applicable Construction Code** B16.34, — n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11 ACCUM LOOP A CHECK VLV	Anchor Darling			SI-6-4		Corrected	☐

7. **Description of Work** Replaced the valve disc and body to cover fasteners.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ **psi** **Test Temp.** _____ **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-037

9. Remarks VT-1 of the fasteners recorded on PSI report 2012V128.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 1/14/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 16NOV12 to 01FEB13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Commissions 12085 A.N.I MN 21924

Inspector's Signature

National Board, Province and Endorsements

Date February 01, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-038

1. Owner NSPM d/b/a Xcel Energy — Name — Date 1/3/2013

2. Plant Prairie Island Nuclear Generating Plant — Name — Sheet 1 of 2

1717 Wakonade Dr. E, Welch Minnesota 55089 — Address — 387807-01 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner — Name — Type Code Symbol Stamp N/A

Same — Address — Authorization N/A

Expiration Date N/A

4. Identification of System RH — Code Class 2

5. (a) Applicable Construction Code n/a, n/a Edition/Addenda

Addenda n/a — Code Cases n/a

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A

(c) Applicable Section XI Code Cases None

6. Identification of Components

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
12 RHR Pump	Byron Jackson			145-112		Corrected	☐

7. Description of Work Replaced mechanical seal.

8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑

Other ☐ Pressure _____ psi Test Temp. _____ ° F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-038

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 1/3/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 17NOV12 to 03JAN13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Commissions 12085 A.N.I MN 21924

Inspector's Signature

National Board, Province and Endorsements

Date January 03, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-039

1. Owner NSPM d/b/a Xcel Energy — Name — Date 1/14/2013

2. Plant Prairie Island Nuclear Generating Plant — Name — Sheet 1 of 2

1717 Wakonade Dr. E, Welch Minnesota 55089 — Address — 407259-16 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner — Name — Type Code Symbol Stamp N/A

Same — Address — Authorization N/A

Expiration Date N/A

4. Identification of System RH — Code Class 2

5. (a) Applicable Construction Code ASME III, 1968 — Edition/Addenda

Addenda n/a — Code Cases n/a

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A

(c) Applicable Section XI Code Cases None

6. Identification of Components

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
12 RHR Heat Exchanger	Joseph Oats	1817-1B	341	135-052	1969	Corrected	☑

7. Description of Work Plugged tubes in Heat Exchanger.

8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑

Other ☐ Pressure _____ psi Test Temp. _____ ° F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-039

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 1/14/13

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 16NOV12 to 07FEB13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 12085 A.N.I. MN 21924

Inspector's Signature National Board, Province and Endorsements

Date February 07, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-040

1. Owner NSPM d/b/a Xcel Energy — Name — Date 2/25/2013

2. Plant Prairie Island Nuclear Generating Plant — Name — Sheet 1 of 2

1717 Wakonade Dr. E, Welch Minnesota 55089 — Address — 416695-01 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner — Name — Type Code Symbol Stamp N/A

Same — Address — Authorization N/A

Expiration Date N/A

4. Identification of System SI — Code Class 1

5. (a) Applicable Construction Code B16.34, — n/a — Edition/Addenda

Addenda n/a — Code Cases n/a

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A

(c) Applicable Section XI Code Cases None

6. Identification of Components

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11 ACCUM TO RCS LOOP A COLD LEG	Anchor Darling			SI-6-3		Corrected	☐

7. Description of Work Replaced the valve disc.

8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑

Other ☐ Pressure _____ psi Test Temp. _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-040**

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 2/25/13,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 17NOV12 to 01MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Commissions 12085 NI MN 01924

Inspector's Signature

National Board, Province and Endorsements

Date March 01, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-041

1. Owner NSPM d/b/a Xcel Energy — Name — Date 1/16/2013

2. Plant Prairie Island Nuclear Generating Plant — Name — Sheet 1 of 2

1717 Wakonade Dr. E, Welch Minnesota 55089 — Address — 467445-01 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner — Name — Type Code Symbol Stamp N/A

Same — Address — Authorization N/A — Expiration Date N/A

4. Identification of System RH — Code Class 1

5. (a) Applicable Construction Code B16.34, n/a Edition/Addenda — Addenda n/a — Code Cases n/a

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A

(c) Applicable Section XI Code Cases None

6. Identification of Components

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
1 RCS LP B HOT LEG RHR SPLY valve	Velan			MV-32231		Corrected	☐

7. Description of Work: Replaced body to bonnet fasteners.

8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑

Other ☐ Pressure _____ psi Test Temp. _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-041**

9. Remarks Pre-Service VT-1 exam recorded on report 2012V132.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 1/16/13, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 19NOV12 to 23JAN13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 10085 A·N·I MN. 21924

Inspector's Signature National Board, Province and Endorsements

Date Jan. 30, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-042**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 3/13/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 406143-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** RH — **Code Class** 2
5. **(a) Applicable Construction Code** B31.1, 1967 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11/12 RHR PMPS SUCT Relief valve, RH-8-1	Crosby			RH-8-1		Corrected	☐

7. **Description of Work** Replaced inlet flange fasteners.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ **psi** **Test Temp.** _____ **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-042

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 3/13/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 19NOV12 to 14MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Commissions 12085 A N.I MN 21924

Inspector's Signature

National Board, Province and Endorsements

Date March 14, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-043**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 1/24/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 467778-01, EC-21095
   Address — **Repair Organization P.O. No., Job No., etc**
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** CL — **Code Class** 3
5. **(a) Applicable Construction Code** B31.1 , 1989 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
CL Syystem piping segment				20-CL-7		Corrected	☐

7. **Description of Work** Replaced piping segment and associated flange fasteners.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☑ **Exempt** ☐
   Other ☐ **Pressure** NOP **psi** **Test Temp.** NOT **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-043**

9. Remarks VT-2 leakage test recorded on report BOP-VT-12-140

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 1/24/13,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 20NOV12 to 24JAN13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Commissions 12085 A.N.I. MN. 2192A

Inspector's Signature

National Board, Province and Endorsements

Date Jan. 24, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-044**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 2/26/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 372187-05
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** CC — **Code Class** 3
5. (a) **Applicable Construction Code** ASME IIIC , 1968 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11 CC Surge Tank	Buffalo Tank	X8590NC		153-071	1969	Corrected	☑

7. **Description of Work** Replaced 2 manway fastener sets.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-044

9. Remarks _____

_____

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_____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 2/26/13, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 03Nov12 to 13MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 12085 A.N.I. MN 21924

Inspector's Signature National Board, Province and Endorsements

Date March 13, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-045**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 2/27/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 434080-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** MS — **Code Class** 2
5. (a) **Applicable Construction Code** B31.1, 1967 **Edition/Addenda**
   Addenda N/A — **Code Cases** N/A
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11 SG MS HDR Relief valve to piping	Consolodated			RS-21-5		Corrected	☑

7. **Description of Work** Replaced existing Superbolt nuts like-for-like due to damage during removal.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ °F

Other: N/A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-045**

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 2/27/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 28NOV12 to 27FEB13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions 12085 A-N-1 MN 01924

National Board, Province and Endorsements

Date February 27, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-046**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 2/26/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 434078-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** MS — **Code Class** 2
5. **(a) Applicable Construction Code** B31.1, 1967 **Edition/Addenda**
   Addenda N/A — **Code Cases** N/A
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11 SG MS HDR Relief valve to piping	Consolodated			RS-21-3		Corrected	☑

7. **Description of Work** Replaced existing Superbolt nuts like-for-like due to damage during removal.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ °F

Other: N/A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-046**

9. Remarks _____

_____

_____

_____

_____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 2/26/13, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 28NOV12 to 11MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions Nassani MN 21921

Inspector's Signature National Board, Province and Endorsements

Date March 11, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-047

1. Owner NSPM d/b/a Xcel Energy — Name — Date 2/22/2013

2. Plant Prairie Island Nuclear Generating Plant — Name — Sheet 1 of 2

1717 Wakonade Dr. E, Welch Minnesota 55089 — Address — 399970-01, IEE 2011-099 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner — Name — Type Code Symbol Stamp N/A

Same — Address — Authorization N/A

Expiration Date N/A

4. Identification of System AF — Code Class 3

5. (a) Applicable Construction Code B16.34, — n/a — Edition/Addenda

Addenda n/a — Code Cases n/a

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A

(c) Applicable Section XI Code Cases None

6. Identification of Components

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11 TD AFW PMP DISCH Check Valve	Powell			AF-15-9		Corrected	☐

7. Description of Work Replaced disc with stronger material.

8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑

Other ☐ Pressure _____ psi Test Temp. _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-047**

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 2/22/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 29NOV12 to 26FEB13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions 12085 A·N·I MN 21924

National Board, Province and Endorsements

Date February 27, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-048

1. Owner NSPM d/b/a Xcel Energy — Name — Date 12/12/2012

2. Plant Prairie Island Nuclear Generating Plant — Name — Sheet 1 of 2

1717 Wakonade Dr. E, Welch Minnesota 55089 — Address — 414263-01, IEE-2012-123 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner — Name — Type Code Symbol Stamp N/A

Same — Address — Authorization N/A

Expiration Date N/A

4. Identification of System VC — Code Class 2

5. (a) Applicable Construction Code B16.34, n/a Edition/Addenda — Addenda n/a — Code Cases n/a

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A

(c) Applicable Section XI Code Cases None

6. Identification of Components

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
CHG LN TO 11 REGEN HX CV	Masonelian			CV-31198		Corrected	☐

7. Description of Work Replace the valve plug.

8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑

Other ☐ Pressure _____ psi Test Temp. _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-048**

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 12/12/12 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 29NOV12 to 17JAN13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Commissions 12085 A.N.I. mn 21924

Inspector's Signature

National Board, Province and Endorsements

Date January 17, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-049**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 2/1/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 468512-01, EC-21134
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** CL — **Code Class** 3
5. **(a) Applicable Construction Code** B31.1, 1989 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
CL Syystem piping segment				24-CL-13		Corrected	☐

7. **Description of Work** Installed flush patch to restore pipe corroded due to MIC.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☑ **Exempt** ☐
   Other ☐ **Pressure** NOP **psi** **Test Temp.** NOT **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-049**

9. Remarks VT-2 recored on report # BOP-VT-13-003

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 3/13/13

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 23Nov12 to 13MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 1085 A.N.I MN 21924

Inspector's Signature National Board, Province and Endorsements

Date March 13, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-051**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 1/30/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 398397-01
   Address — **Repair Organization P.O. No., Job No., etc**
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** RH — **Code Class** 2
5. **(a) Applicable Construction Code** B16.34, n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
12 RHR PMP SUCT Line valve	Crane			RH-1-1		Corrected	☐

7. **Description of Work** Replaced body to bonnet fastener set.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ **psi** **Test Temp.** _____ **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-051

9. Remarks _____

_____

_____

_____

_____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 1/30/13, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 03DEC12 to 30JAN13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 12085 A.N.I MN 21924

Inspector's Signature National Board, Province and Endorsements

Date January 30, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-052**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 2/20/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 396243-03
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** RC — **Code Class** 1
5. (a) **Applicable Construction Code** B31.1, 1967 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11 PRZR Relief	Crosby			RC-10-1		Corrected	☐

7. **Description of Work** Replaced inlet flange nut.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-052

9. Remarks VT-1 exam recorded on PSI report number 2012V144.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of ~~Authorization~~ No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 2/20/13, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 04DEC12 to 21FEB13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 10085 A.N.I MN 21924

Inspector's Signature National Board, Province and Endorsements

Date February 21, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-053**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 1/15/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 422883-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** CL — **Code Class** 3
5. **(a) Applicable Construction Code** B31.1, 1967 **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
Piping to Valve Flange Fasteners within CL piping	n/a			10-CL-49/CV-39203		Corrected	☐

7. **Description of Work** Replaced the flange fasteners due to corrosion.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ **psi** **Test Temp.** _____ **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-053

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 1/15/13,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 05 DEC 12 to 24 JAN 13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions 1085 A.N.I MN 21924
National Board, Province and Endorsements

Date January 24, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-054**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 3/1/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 **of** 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 459748-01
   Address — Repair Organization P.O. No., Job No., etc
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** MS — **Code Class** 2
5. (a) **Applicable Construction Code** B16.34, n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) **Applicable Edition of Section XI Utilized for Repair/Replacement Activity** 1998E / 2000A
   (c) **Applicable Section XI Code Cases** None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
12 SG MS ISOL EQLZG MV	Powell			MV-32047		Corrected	☐

7. **Description of Work** Tack welded plug to plug nut due to the valve stem replacement.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ psi **Test Temp.** _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-054

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 3/1/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 06DEC12 to 06MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions NBoBI A.N.I MN 21924

National Board, Province and Endorsements

Date March 06, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-055

1. Owner NSPM d/b/a Xcel Energy — Date 3/4/2013
   Name
2. Plant Prairie Island Nuclear Generating Plant — Sheet 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 467950-01
   Address — Repair Organization P.O. No., Job No., etc
3. Work Performed by Owner — Type Code Symbol Stamp N/A
   Name
   Same — Authorization N/A
   Address — Expiration Date N/A
4. Identification of System CC — Code Class 3
5. (a) Applicable Construction Code B31.1, 1967 Edition/Addenda
   Addenda n/a — Code Cases n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. Identification of Components

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
CC piping support	Basic Enginners			1-CCH-72		Corrected	☐

7. Description of Work: Replaced CC piping support eye rod to meet the designed configuration.
8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑
   Other ☐ Pressure _____ psi Test Temp. _____ ° F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-055**

9. Remarks Preservice VT-3 exam recorded on report 2012V153

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 3/4/13 ,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 13DEC12 to 05MAR13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Commissions 12085 A.N.I MN 21924

Inspector's Signature

National Board, Province and Endorsements

Date March 05, 2013.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-056**

1. **Owner** NSPM d/b/a Xcel Energy — **Name**
   Date 2/22/2013
2. **Plant** Prairie Island Nuclear Generating Plant — **Name**
   Sheet 1 **of** 2
   1717 Wakonade Dr. E, Welch Minnesota 55089 — **Address**
   469996-01 — **Repair Organization P.O. No., Job No., etc**
3. **Work Performed by** Owner — **Name**
   Type Code Symbol Stamp N/A
   Same — **Address**
   Authorization N/A
   Expiration Date N/A
4. **Identification of System** RC
   Code Class 1
5. **(a) Applicable Construction Code** ASME III, Class 1 , 1983 **Edition/Addenda**
   Addenda n/a **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
Reactor Vent Gas Piping				1-RC-82		Corrected	☐

7. **Description of Work** Cut out and rewelded pipe to fitting to attain proper flange to flange alignment.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ **psi** **Test Temp.** _____ **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-056

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date _____

Signed _____, ASME Program Engineer Date 2/22/13, _____

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 14DEC12 to 25FEB13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions 10085 A.N.I MN 21924

Inspector's Signature National Board, Province and Endorsements

Date February 25, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-057

1. Owner NSPM d/b/a Xcel Energy — Name — Date 1/18/2013

2. Plant Prairie Island Nuclear Generating Plant — Name — Sheet 1 of 2

1717 Wakonade Dr. E, Welch Minnesota 55089 — Address — 468269-01 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner — Name — Type Code Symbol Stamp N/A

Same — Address — Authorization N/A

Expiration Date N/A

4. Identification of System RC — Code Class 1

5. (a) Applicable Construction Code ASME III, Class 1, 1983 Edition/Addenda

Addenda n/a — Code Cases n/a

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A

(c) Applicable Section XI Code Cases None

6. Identification of Components

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
Reactor Vent Gas Piping				1-RC-82		Corrected	☐

7. Description of Work: Shortened pipe section to obtain the proper slope condition.

8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☑

Other ☐ Pressure _____ psi Test Temp. _____ °F

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-057**

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 1/18/13,

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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 14DEC12 to 23JAN 13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Commissions 10085 A.N.I MN 21924

Inspector's Signature

National Board, Province and Endorsements

Date January 23, 2013

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM **1-27-058**

1. **Owner** NSPM d/b/a Xcel Energy — **Date** 2/22/2013
   Name
2. **Plant** Prairie Island Nuclear Generating Plant — **Sheet** 1 of 2
   Name
   1717 Wakonade Dr. E, Welch Minnesota 55089 — 470096-01, EEC-1554
   Address — **Repair Organization P.O. No., Job No., etc**
3. **Work Performed by** Owner — **Type Code Symbol Stamp** N/A
   Name
   Same — **Authorization** N/A
   Address — **Expiration Date** N/A
4. **Identification of System** VC — **Code Class** 2
5. **(a) Applicable Construction Code** B16.34, n/a **Edition/Addenda**
   Addenda n/a — **Code Cases** n/a
   (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E / 2000A
   (c) Applicable Section XI Code Cases None
6. **Identification of Components**

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
11 Charging Pump Suction valve	Grinnell			VC-6-5		Corrected	☐

7. **Description of Work** Replaced bonnet assembly.
8. **Tests conducted:** **Hydrostatic** ☐ **Pneumatic** ☐ **Nominal Operating Pressure** ☐ **Exempt** ☑
   Other ☐ **Pressure** _____ **psi** **Test Temp.** _____ **° F**

Other: n/a

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1 /2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY

ITEM 1-27-058

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date

Signed , ASME Program Engineer Date 2/22/13,
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 Insp. and Ins. Co. of Connecticut of Hartford Conn. have inspected the components described in this Owner's Report during the period 17DEC12 to 25FEB13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measure described in the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury of property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions 17085 A N-1 MN 21924
National Board, Province and Endorsements

Date February 25, 2013