



SEP 08 2005

L-PI-05-084  
10 CFR 50.55a

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

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

Unit 2 Inservice Inspection Summary Report, Interval 3, Period 3  
Unit 2 Inservice Inspection Summary Report, Interval 4, Period 1  
Refueling Outage Dates: April 16, 2005 – June 10, 2005  
Fuel Cycle 22: October 11, 2003 – June 10, 2005

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Reference: Letter L-PI-04-135, dated December 29, 2004, from Nuclear Management Company, LLC to the Nuclear Regulatory Commission, entitled "Unit 2 Inservice Inspection Program 3<sup>rd</sup> Interval Extension"

During the 2005 Prairie Island Unit 2 refueling outage, inservice inspection (ISI) examinations were performed for the third period of the third interval and for the first period of the fourth interval. The third interval had been extended as discussed in the reference letter.

Attached for your information are four copies of each of the ISI examination summary reports for these two periods.

These summary reports are being submitted in accordance with the Prairie Island American Society of Mechanical Engineers (ASME) Code Section XI Inservice Inspection Program and are intended to satisfy the inspection reporting requirements 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 the corrective work and the corresponding work request numbers are provided in the ASME Section XI Repair/Replacement portion of the report.

A047

Summary of Commitments

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



Thomas J. Palmisano  
Site Vice President, Prairie Island Nuclear Generating Plant

cc: Regional Administrator, USNRC, Region III (2 copies of enclosures)  
Project Manager, Prairie Island Nuclear Generating Plant, USNRC, NRR  
NRC Resident Inspector – Prairie Island Nuclear Generating Plant  
Chief Boiler Inspector, State of MN

Enclosures (2)

## **ENCLOSURE 1**

**NUCLEAR MANAGEMENT COMPANY, LLC  
PRAIRIE ISLAND NUCLEAR GENERATING PLANT  
DOCKET NO. 50-306**

**September 2005**

**INSERVICE INSPECTION SUMMARY REPORT  
INTERVAL 3, PERIOD 3  
REFUELING OUTAGE DATES: April 16, 2005 – June 10, 2005  
UNIT 2, FUEL CYCLE 22: October 11, 2003 – June 10, 2005  
(enclosure contains a table of contents)**

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

**OPERATED BY:  
NUCLEAR MANAGEMENT COMPANY, LLC  
700 FIRST STREET  
HUDSON, WISCONSIN 54016**

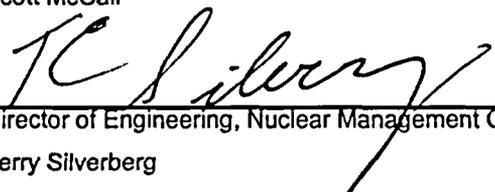
**INSERVICE INSPECTION SUMMARY REPORT  
INTERVAL 3, PERIOD 3  
REFUELING OUTAGE DATES: 04-16-2005 TO 06-10-2005  
UNIT 2, FUEL CYCLE 22: 10-11-2003 TO 06-10-2005**

**COMMERCIAL SERVICE DATE: DECEMBER 21, 1974**

Prepared by:   
by: TSI Fleet Supervisor, Nuclear Management Co.  
Gary Park Date: 9/1/05

Reviewed by:   
by: Repair/Replacement Program Engineer, Nuclear Management Co.  
Ron Clow Date: 9/1/05

Reviewed by: Tom Downing (for SEM)  
by: Program Engineering Manager, Nuclear Management Co.  
Scott McCall Date: 9/2/05

Approved by:   
by: Director of Engineering, Nuclear Management Co.  
Terry Silverberg Date: 9/2/05

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## Section 1. Discussion

### 1.0 INTRODUCTION

This summary report identifies the components examined, the examination methods used, the examination number and summarizes the examination results performed during the 3<sup>rd</sup> period of the 3<sup>rd</sup> interval, unit 2 fuel cycle 22. The 3<sup>rd</sup> inspection interval is based on the examination requirements of the ASME Boiler and Pressure Vessel Code Section XI, 1989 Edition with no addenda.

### 2.0 PERSONNEL

Visual and nondestructive examinations were performed by Nuclear Management Company, Lambert MacGill Thomas Inc. (LMT), Wesdyne, Areva, MoreTech and Zetec Inc. Wesdyne was contracted to perform the 10-year reactor vessel examinations. The Hartford Steam Boiler Inspection and Insurance Company of Connecticut, provided the Authorized Inspection services. Examination personnel certifications are maintained on file by Nuclear Management Company.

### 3.0 INSPECTION SUMMARY

Examination results indicate that plant system's integrity has been maintained.

Section 3 contains the Class 1 and 2 components examined, the examination number and summary of the examination results performed during unit 2 cycle 22. The 3<sup>rd</sup> Interval was extended to the end of the Refueling Outage (06/10/2005) per IWA-2430(d) of the ASME Section XI 1989 Edition. Note that all "Limited Examinations" are documented in Relief Request RR-21.

Section 4 contains the Class MC components examined, the examination number, and summary of the examination results performed during unit 2 cycle 22. The first interval, September 9, 1996 to May 8, 2008 is based on the examination requirements of ASME Section XI 1992 Edition and 1992 Addenda, and 10 CFR50.55a dated Tuesday, September 30, 1997.

Section 5 contains the pressure test results. All indications of leakage were evaluated and corrective measures performed as required by IWB-3142 and IWA-5250. One leaking Code Class 2 component was accepted by analytical evaluation as allowed by ASME Section XI and Code Case N-566-1. Note that the Class 1 Pressure Test is included with the 4<sup>th</sup> Interval Summary Report.

Section 6 contains the Snubber inspection results. However, since all snubber inspections and tests were conducted for the 4<sup>th</sup> Interval all results are contained in the 4<sup>th</sup> Interval Summary Report for the cycle.

During the refueling outage, Eddy Current examinations of 21 and 22 Steam Generators tubes were performed. The examination results are included in Section 7 of the 4<sup>th</sup> Interval Summary Report.

Section 8 contains twelve Repair/Replacement Activities completed under the 3<sup>rd</sup> Interval during the unit 2 cycle 22.

Section 9 contains the code cases and relief requests that were utilized during the 3<sup>rd</sup> Interval within the period that this Summary Report covers.

The inservice inspection reports in Section 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 Nuclear Management Company.

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

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

## 5.0 INDICATIONS REQUIRING REPORTING

### 5.1 ISI EXAMINATIONS

#### Exam report – 2005V118

During the conduct of a routine scheduled VT-3 Inservice Inspection of support 2-RHRH-34 (NDE Report 2005V118) it was reported that there was a 0.25 inch gap on the plate ends between the base plate and it's attachment to the building structure.

Upon engineering review of the 0.25 inch gap it was determined that the attachment anchor bolting of the base plate was tight and the support was performing it's intended design function. The gap was apparently caused by excessive heat during the welding process of the intervening support bracing to the base plate. The excessive heat introduced into the plate material caused the plate to somewhat warp. This can be seen visually. In review of plant records this support has not been modified during the course of plant operation and has been in operable condition since initial installation. Previous visual examination of this support did not report this gap. This may have been attributed to the criteria used during the previous 10 year inspection interval where gaps in base plate to building structure did not have to be reported because the base plate was once considered part of the building structure and not within the required support examination zone defined by IWF-1300.

To increase the current torque value applied to the anchor bolting to stress and bring the plate flush would be detrimental to the support and could possibly cause the anchor bolt to pull out.

Engineering Evaluation #1 of 5AWI 14.6.0, ASME Section XI Inservice Inspection, Attachment 1 titled Position Paper discusses engineering evaluations performed for supports identified with conditions described in IWF-3410(a). This type of reported indication is considered nonrelevant per IWF-3410(b).

**Examination Report – 2005VE024**

During the ultrasonic examination of the SI Nozzle-to-Vessel Weld (Loop B), three subsurface planar flaws were identified. All three flaws were evaluated as acceptable per Table IWB-3512-1. No additional or successive examinations are required.

**Examination Report – 2005VE023**

During the ultrasonic examination of the SI Nozzle-to-Vessel Weld (Loop A), four subsurface planar flaws were identified. All four flaws were evaluated as acceptable per Table IWB-3512-1. No additional or successive examinations are required.

**Examination Report – 2005VE019**

During the ultrasonic examination of the Outlet Nozzle-to-Vessel Weld (Loop A), two subsurface flaws were identified. Both flaws were evaluated as acceptable per Table IWB-3512-1. No additional or successive examinations are required.

**Examination Report – 2005VE021**

During the ultrasonic examination of Outlet Nozzle-to-Vessel Weld (Loop B), three subsurface planar flaws were identified. All three flaws were evaluated as acceptable per Table IWB-3512-1. No additional or successive examinations are required.

**Examination Report – 2005VE014**

During the ultrasonic examination of W-2 (Shell-to-Shell Weld) of the Reactor Pressure Vessel, nine subsurface planar flaws were identified. All nine flaws were evaluated as acceptable per Table IWB-3510-1. No additional or successive examinations are required.

**5.2 IWE INDICATIONS REQUIRING REPORTING**

These are reported in the 4<sup>th</sup> Interval Summary Report.

**Section 2. NIS-1 (3 pages)**

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

1. Owner: Nuclear Management Company, 700 First Street, Hudson, Wisconsin 54016  
(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 2

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

5. Commercial Service Date 12/21/1974

6. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer of Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Creuot-Loire	687	MINN-200-51	---
Pressurizer	Westinghouse	1191	---	68-57
21 Steam Generator	Westinghouse	1181	---	68-39
22 Steam Generator	Westinghouse	1182	---	68-40
21 Reactor Coolant Pump	Westinghouse	W510	---	---
22 Reactor Coolant Pump	Westinghouse	W515	---	---
21 RHR Heat Exchanger	Joseph Oats & Sons	1817-1C	---	342
22 RHR Heat Exchanger	Joseph Oats & Sons	1817-1D	---	343
21 RHR Pump	Byron Jackson	---	---	---
22 RHR Pump	Byron Jackson	---	---	---
21 Safety Injection Pump	Bingham	---	---	---
22 Safety Injection Pump	Bingham	---	---	---
21 Accumulator Tank	Delta Southern	41037-68-1	---	2575
21 Accumulator Tank	Delta Southern	41037-69-1	---	2576
21 Boric Acid Tank	NAVCO	---	---	---

8. Examination Dates: 10/11/2003 to 06/10/2005

9. Inspection Period Identification: (3<sup>rd</sup> Period) 5/26/1999 to 06/10/2005

10. Inspection Interval Identification: (3<sup>rd</sup> Interval) 12/17/1993 to 06/10/2005

11. Applicable Edition of Section XI 1989 Edition with No Addenda

NIS-1

12. Date/Revision of Inspection Plan: 5/25/04, Revision 1

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 Sept 1, 2005 Signed [Signature]  
By Gary Park  
Owner

CERTIFICATE OF INSERVICE INSPECTION

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

Minnesota and employed by HSB CT of

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

10/11/03 to 06/10/05, 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.

[Signature] Commissions MN 21924  
Inspector's Name National Board, State, Province, and Endorsements

Date: 02 SEP 05

**Section 3. ISI Examinations**

# Inservice Inspection Report

Owner: Xcel Energy  
 Plant: Prairie Island Nuclear Generating Plant, 1717 Wakonade Drive East, Welch, MN 55089  
 Plant Unit: 2

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date:  
 National Board Number for Unit: N/A

Category	Item	Summary	Comp ID	Component Description	Procedure	Method/Sheet/Results	Sys	ISO Number	Exam Date
<b>Class 1</b>									
B-A	B1.11	501591	W-3	Shell - Shell	UT-Vendor	UT 2005VE015 NAD	RV	2-ISI-42	05/15/05
B-A	B1.11	502687	W-2	Shell - Shell	UT-Vendor	UT 2005VE014 IND	RV	2-ISI-42	05/15/05
B-A	B1.11	502688	W-4	Shell - Bottom Head	UT-Vendor	UT 2005VE016 NAD	RV	2-ISI-42	05/15/05
B-A	B1.21	501692	W-5	Btm Hd/Ring to Dome	UT-Vendor	UT 2005VE017 NAD	RV	2-ISI-42	05/15/05
B-A	B1.30	501480	W-1	Vessel Shell to Flange	UT-Vendor	UT 2005VE013 NAD	RV	2-ISI-42	05/15/05
B-B	B2.40	502617	W-A	Tube Sheet to Head	SWI NDE-UT-15	UT 2005U041 NAD	SG	2-ISI-37A	05/28/03
Comments:	2003 exam scheduled as expanded scope (CAP026755, Missed exam on 21 Steam Generator during the Unit 2 2002 Refueling Outage)								
B-D	B3.100	502690	N-6 IR	Inlet Nozzle (Inner Radius) to Vessel Weld Loop A	VT-Vendor	VT 2005VE002 NAD	RV	2-ISI-40	05/17/05
B-D	B3.100	502691	N-9 IR	Inlet Nozzle (Inner Radius) to Vessel Weld Loop B	VT-Vendor	VT 2005VE003 NAD	RV	2-ISI-40	05/17/05
B-D	B3.100	502692	N-11 IR	SI Nozzle (Inner Radius) to Vessel Weld Loop B	VT-Vendor	VT 2005VE004 NAD	RV	2-ISI-40	05/17/05
B-D	B3.100	502693	N-8 IR	SI Nozzle (Inner Radius) to Vessel Weld Loop A	VT-Vendor	VT 2005VE005 NAD	RV	2-ISI-40	05/17/05
B-D	B3.100	505019	N-7 IR	Outlet Nozzle (Inner Radius) to Vessel Weld Loop A	VT-Vendor	VT 2005VE006 NAD	RV	2-ISI-40	05/17/05
B-D	B3.100	505021	N-10 IR	Outlet Nozzle (Inner Radius) to Vessel Weld Loop B	VT-Vendor	VT 2005VE007 NAD	RV	2-ISI-40	05/17/05
B-D	B3.90	500726	N-11	SI Nozzle to Vessel Weld Loop B	UT-Vendor	UT 2005VE024 IND	RV	2-ISI-40	05/15/05
Comments:	Examination was limited to 59.26% (Ref. Relief Request RR-21)								
B-D	B3.90	500727	N-8	SI Nozzle to Vessel Weld Loop A	UT-Vendor	UT 2005VE023 IND	RV	2-ISI-40	05/15/05
Comments:	Examination was limited to 59.26% (Ref. Relief Request RR-21)								
B-D	B3.90	501129	N-6	Inlet Nozzle to Vessel Weld Loop A	UT-Vendor	UT 2005VE022 NAD	RV	2-ISI-40	05/15/05
B-D	B3.90	501150	N-9	Inlet Nozzle to Vessel Weld Loop B	UT-Vendor	UT 2005VE020 NAD	RV	2-ISI-40	05/15/05
B-D	B3.90	505018	N-7	Outlet Nozzle to Vessel Weld Loop A	UT-Vendor	UT 2005VE019 IND	RV	2-ISI-40	05/15/05
Comments:	Examination was limited to 78.56% (Ref. Relief Request RR-21)								
B-D	B3.90	505020	N-10	Outlet Nozzle to Vessel Weld Loop B	UT-Vendor	UT 2005VE021 IND	RV	2-ISI-40	05/15/05
Comments:	Examination was limited to 78.56% (Ref. Relief Request RR-21)								
B-F	B5.10	501130	W-5	Safe End To Nozzle	SWI NDE-PT-1	PT 2005P042 NAD	RC	2-ISI-32C	06/01/05

ISI Examinations:

# Inservice Inspection Report

					UT-Vendor	UT	2005VE028	NAD	RC	2-ISI-32C	05/15/05
B-F	B5.10	501151	W- 5	Safe End To Nozzle	UT-Vendor	UT	2005VE027	NAD	RC	2-ISI-33C	05/15/05
					SWI NDE-PT-1	PT	2005P039	NAD	RC	2-ISI-33C	05/30/05
B-F	B5.10	501484	W-11	Safe End to Nozzle	SWI NDE-PT-1	PT	2005P040	NAD	RC	2-ISI-28	05/30/05
					UT-Vendor	UT	2005VE025	NAD	RC	2-ISI-28	05/15/05
B-F	B5.10	501499	W-11	Safe End To Nozzle	SWI NDE-PT-1	PT	2005P041	NAD	RC	2-ISI-29	06/01/05
					UT-Vendor	UT	2005VE026	NAD	RC	2-ISI-29	05/15/05
B-F	B5.40	502337	W-10	Safe End to Nozzle (4" weld)	RT Vendor	RT	2005VE001	NAD	RC	2-ISI-7F	05/26/05
					SWI NDE-PT-1	PT	2005P001	NAD	RC	2-ISI-7F	05/05/05
B-F	B5.70	501137	W- 5	50 Red Elbow-Nozzle	SWI NDE-PT-1	PT	2005P032	NAD	RC	2-ISI-33A	05/22/05
					SWI NDE-UT-11	UT	2005U036	NAD	RC	2-ISI-33A	05/22/05
Comments:	Examination was limited to 78.46% (Ref. Relief Request RR-21)										
B-G-1	B6.40	500708	Threads	Threads in Flange	UT-Vendor	UT	2005VE012	NAD	RV	2-ISI-42	05/08/05
B-J	B9.11	501953	W-11	Valve to Pipe	SWI NDE-PT-1	PT	2005P019	NAD	RH	2-ISI-10A	05/19/05
					SWI NDE-UT-16A	UT	2005U024	NAD	RH	2-ISI-10A	05/19/05
Comments:	Examination was limited to 47.44% (Ref. Relief Request RR-21)										
B-J	B9.11	502072	W- 2	Pipe to Elbow	SWI NDE-PT-1	PT	2005P017	NAD	RH	2-ISI-10B	05/19/05
					SWI NDE-UT-16A	UT	2005U025	NAD	RH	2-ISI-10B	05/19/05
B-J	B9.32	505633	W- 6	Thermowell Boss	SWI NDE-PT-1	PT	2005P014	NAD	RC	2-ISI-32C	05/19/05
B-J	B9.40	502499	W- 6	Pipe to Valve	SWI NDE-PT-1	PT	2005P030	NAD	RC	2-ISI-15	05/21/05
B-K	B10.10	501410	Lug @ 90	RV Support Lug @ 90	UT-Vendor	UT	2005VE018	NAD	RV	2-ISI-40	05/15/05
B-K	B10.10	521730	H-1/IA	Int. Attach[Base]	SWI NDE-MT-1	MT	2005M001	NAD	RC	2-ISI-36	05/08/05
B-K	B10.20	521174	H-3/IA	Int. Attach.[Spring]	SWI NDE-PT-1	PT	2005P013	NAD	VC	2-ISI-12C	05/18/05
B-K	B10.20	521290	H-2/IA	Int. Attach.[Rupture Restraint]	SWI NDE-PT-1	PT	2005P015	NAD	RC	2-ISI-29	05/19/05
B-K	B10.20	521299	H-4/IA	Int. Attach.[Restraint & Support]	SWI NDE-PT-1	PT	2005P016	NAD	RC	2-ISI-20A	05/19/05
B-K	B10.20	521362	H-4/IA	Int. Attach.[Double Spring]	SWI NDE-PT-1	PT	2005P031	NAD	SI	2-ISI-11	05/22/05
B-K	B10.20	522939	H-8/IA	Int.Attach[Snubber/Lug]	SWI NDE-PT-1	PT	2005P018	NAD	RH	2-ISI-20A	05/19/05
B-N-1	B13.10	505619	RV- 1	Interior	VT-Vendor	VT	2005VE008	NAD	RC	2-ISI-42	05/17/05
B-N-2	B13.50	505620	RV- 2	Int Attach -Bellline	VT-Vendor	VT	2005VE009	NAD	RC	2-ISI-42	05/17/05
B-N-2	B13.60	505621	RV- 3	Int Attach Beyond BL	VT-Vendor	VT	2005VE010	NAD	RC	2-ISI-42	05/17/05
B-N-3	B13.70	505622	RV- 4	Core Support Struct	VT-Vendor	VT	2005VE011	NAD	RC	2-ISI-42	05/17/05
<b>Class 2</b>											
ACC NOZ	NRCIN9105	550408	2LT-939	21 RC LOOP A ACC LVL XMTR 2	SWI NDE-PT-1	PT	2005P011	NAD	SI		05/13/05

ISI Examinations:

# Inservice Inspection Report

					SWI NDE-UT-16A	UT	2005U017	NAD	SI		05/13/05
ACC NOZ	NRCIN9105	550409	2PT-941	21 RC LOOP A ACC P XMTR 2	SWI NDE-UT-16A	UT	2005U015	NAD	SI		05/13/05
					SWI NDE-PT-1	PT	2005P006	NAD	SI		05/13/05
ACC NOZ	NRCIN9105	550410	2LT-938	21 RC LOOP A ACC LVL XMTR 1	SWI NDE-PT-1	PT	2005P012	NAD	SI		05/14/05
					SWI NDE-UT-16A	UT	2005U018	IND	SI		05/14/05
ACC NOZ	NRCIN9105	550411	2PT-940	21 RC LOOP A ACC P XMTR 1	SWI NDE-UT-16A	UT	2005U016	NAD	SI		05/13/05
					SWI NDE-PT-1	PT	2005P005	NAD	SI		05/13/05
ACC NOZ	NRCIN9105	550412	2LT-935	22 RC LOOP B ACC LVL XMTR 2	SWI NDE-UT-16A	UT	2005U011	IND	SI		05/13/05
					SWI NDE-PT-1	PT	2005P007	NAD	SI		05/13/05
ACC NOZ	NRCIN9105	550413	2PT-937	22 RC LOOP B ACC P XMTR 2	SWI NDE-UT-16A	UT	2005U014	NAD	SI		05/13/05
					SWI NDE-PT-1	PT	2005P008	NAD	SI		05/13/05
ACC NOZ	NRCIN9105	550414	2LT-934	22 RC LOOP B ACC LVL XMTR 1	SWI NDE-UT-16A	UT	2005U013	NAD	SI		05/13/05
					SWI NDE-PT-1	PT	2005P009	NAD	SI		05/13/05
ACC NOZ	NRCIN9105	550415	2PT-936	22 RC LOOP B ACC P XMTR 1	SWI NDE-UT-16A	UT	2005U012	NAD	SI		05/13/05
					SWI NDE-PT-1	PT	2005P010	NAD	SI		05/13/05
C-C	C3.40	521006	H-4/1A	Int. Attach[Support to Valve]	SWI NDE-MT-1	MT	2005M006	NAD	MS	2-ISI-46B	05/13/05
C-F-2	C5.51	500809	W-29	Pipe to Cap	SWI NDE-UT-1A	UT	2005U022	NAD	MS	2-ISI-47B	05/17/05
					SWI NDE-MT-1	MT	2005M007	NAD	MS	2-ISI-47B	05/17/05
C-F-2	C5.80	500814	W-14/LSU	Tee to Flange	SWI NDE-PT-1	PT	2005P043	NAD	MS	2-ISI-47B	05/31/05
					SWI NDE-UT-1A	UT	2005U023	NAD	MS	2-ISI-47B	05/17/05
Comments:	Examination was limited to 74.85% (Ref. Relief Request RR-21)										
F-A	F1.20b	500521	H-1	Seismic Anchor	SWI NDE-VT-2.0	VT	2005V118	IND	RH	2-ISI-54A	05/16/05
F-A	F1.20c	515558	H-3	Seismic Snubber	SWI NDE-VT-2.0	VT	2004V005	NAD	CS	2-ISI-98A	05/10/04
F-A	F1.40	501020	H-1	Support A	SWI NDE-VT-2.0	VT	2005V084	NAD	CS	2-ISI-99A	05/13/05
F-A	F1.40	501021	H-2	Support B	SWI NDE-VT-2.0	VT	2005V077	IND	CS	2-ISI-99A	05/13/05

ISI Examinations:

**Section 4. IWE Examinations**

The IWE Examinations are documented in the 4<sup>th</sup> Interval Summary Report

Section 5 PRESSURE TESTS

The following scheduled pressure tests were conducted during Unit 2 cycle 22. All indications were evaluated and corrective measures performed as required by IWB-3142 and IWA-5250.

SYSTEM	CATEGORY/ ITEM	PROCEDURE	ASME XI CODE CLASS	WORK ORDER	COMPLETION DATE
Component Cooling	D-A/ D1.10	SP 2168.4	3	0211960	9/2/2004
Auxiliary Feedwater	D-A/ D1.10	SP 2168.6	3	0211962	9/13/2003
Caustic Addition	D-B/ D2.10	SP 2168.7	3	0211963	10/20/2003
Safety Injection	C-H/ All	SP 2168.13	2	0211946	1/30/2004
CVCS	C-H/ All	SP 2168.16	2	0211949	12/9/2004
Main Feedwater and Auxiliary Feedwater	C-H/ All	SP 2168.17	2	0211950	10/29/2003
Containment Penetrations – Non-outage	C-H/ All	SP 2168.24A	2	0211956	10/29/2003
D5/D6 Fuel Oil	Augmented	SP 2168.26		0406344	12/2/2004
D5 Diesel Generator	Augmented	SP 2168.27A		0211958	6/14/2004
D6 Diesel Generator	Augmented	SP 2168.27B		0211959	3/3/2004

\*Bolded items were performed during 3<sup>rd</sup> interval

One (1) class 2 component was accepted by analytical evaluation as allowed by Code Case N-566-1. These evaluations are submitted below as required by subparagraph IWB-3144(b).

**Condition Evaluation CE4397 for 2SI-10-1**

Boric acid residue was in contact with the carbon steel fasteners on 2SI-10-1, 21 SI Pump Discharge Check Valve. Boric acid residue staining was visible on the body flange and fasteners, which indicates that these surfaces had been wetted with boric acid at some point. The residue probably resulted from cleaning activities following the work on the valve during the 2R22 outage, since no sign of leakage was apparent around the gasket surface and there is not an active leak. The studs are composed of A193 Gr. B7 low alloy steel, which is susceptible to corrosion in a wetted boric acid environment. The valve body is composed of stainless steel, which is highly resistant to boric acid corrosion at low concentrations. Three of the twelve 7/8" studs had apparently been wetted with boric acid and a light orange color patina had developed in places. However, this is minor surface corrosion and there was no visible evidence of any measurable material loss. During normal plant operation, the safety injection system is in stand-by. The operating condition during normal operation is room temperature (approximately 90°F) with exposure to boric acid concentrations between 2600-3500 ppm. During accident conditions, the safety injection operating conditions are room temperature with exposure to boric acid concentrations between 2600-3500 ppm, except for a short period (less than 24 hours) at the beginning of the recirculation mode following a small break LOCA. The corrosion rate expected for the room temperature conditions is 0.002 in/yr to a maximum of 0.007 in/yr (EPRI Boric Acid Corrosion Guidebook, Rev.1). The conservative corrosion rate assumed for the period, at the beginning of recirculation following a small break LOCA, is 0.050 in/yr for 352°F (this period would only occur for less than 24 hours). The maximum temperature of the sump liquid following a LOCA is approximately 254°F, so this corrosion rate is conservative. Based on the mild corrosive environment of the low-temperature fluid, a loss of structural integrity will not occur.

This valve has not had a past history of leakage. Leakage was observed from this valve prior to the 2R22 outage and was subsequently repaired with a work order. No other corrective work orders were found. Since no other corrective work orders were located, the age of the fasteners installed are believed to be the originals (approximately 30 years old). The valve was disassembled during the outage and the studs were examined. The condition of the studs was satisfactory.

Per SP 2082, this valve is leak tested with the remainder of the CS, SI, and RHR recirculation loop. The acceptance criterion for this combined total leakage is 2 gph. SP 2082 is performed with the RCS pressurized to 350 psig. This testing fulfills the requirements that are discussed in program procedure H31 and T.S. 5.5.2, and is required by NUREG 0578 Sec. 2.1.6.a. Per NUREG 0578, the dose analysis uses this as an input to determine accident consequences. No source of active leakage was identified, so the 2 gph criterion is not challenged. Since the 2 gph criterion is also applied to the CS and RHR systems, the total systems leakage must be evaluated. There are several leaks within the RHR system that are being monitored for leakage, but the boric acid residue on 2SI-10-1 appears to be from either cleaning or past work. Since the valve is not actively leaking, the 2 gph criterion is still met and will continue to be monitored during system walkdowns to ensure this criterion is not challenged. So this leakage does not affect the dose analysis assumptions.

**Section 6. Snubber Inservice Testing and Preservice Examinations**

All snubber functional testing and Inservice/Preservice Examinations are documented in the 4<sup>th</sup> Interval Summary Report

## **Section 7. Steam Generator Eddy Current Examination Results**

Technical Specification 5.6.7.2 requires the results of steam generator tube in-service inspections shall be included with the summary reports of ASME Code Section XI inspections submitted within 90 days of the end of each refueling outage. The results of the Steam Generator Eddy Current Examinations performed in the Unit 2 Refueling Outage 22 are documented in the 4<sup>th</sup> Interval Summary Report.

**Section 8. Repair/Replacement Activities for Cycle 22, ISI Interval 3**

12 NIS-2 forms are attached which identify Prairie Island Unit 2 Repair/ Replacement Activities during fuel cycle 22, Third ISI Interval.

Item #	WO, EEC, MOD #s	Comp Name	Description of Work Completed	Code Class	SYS
2-22-004	0211237	23 Chg. Pmp. Dischg. Relief Valve	Replaced flange fasteners.	2	VC
2-22-005	0308566	22 Charging Pump	Replaced packing assemblies.	2	VC
2-22-006	0309469, SPCE-ME-0644	23 Charging Pump	Replaced packing assemblies and packing assembly mounting nuts.	2	VC
2-22-007	0309641, EEC-1266	22 BA Transfer Pump	Replaced the mechanical seal gland plate.	2	VC
2-22-009	0312016	22 Charging Pump	Replaced charging pump packing assemblies.	2	VC
2-22-011	0405261	21 BA Xfer PMP Suct.	Replaced bonnet assemblies	2	VC
2-22-013	0405509, SPCE-ME-0543, EEC-1266	21 BA Transfer Pump	Replaced the mechanical seal gland plate.	2	VC
2-22-014	0406259	22 Charging Pump	Replace Charging Pump Desurger.	2	VC
2-22-016	0407387	Charging Pump Packing Assy.	Replaced plungers in spare charging pump packing assemblies.	2	VC
2-22-018	0405228	23 Charging Pump	Replaced desurger.	2	VC
2-22-021	0408914	21 BATP	Replaced the mechanical seal gland plate.	2	VC
2-22-063	0408842	22 FCU	Replaced H-Bend section.	2	CL

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-004

1. Owner Nuclear Management Company, LLC

Date 5/4/04

2. Plant Praire Island Nuclear Generating Plant

Sheet 1 of 2

Name  
1717 Wakonade Dr. E, Welch Minnesota 55089

02/1237

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 B31.1

1989 Edition

Addenda n/a

Code Case n/a

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 With No Addenda

(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
23 Chg. Pmp. Dischg. Relief Valve	Crosby			2VC-28-3		Corrected	<input type="checkbox"/>

7. Description of Work Replaced 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 2-22-004

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   *[Signature]*  , ASME Program Engineer Date   5/4/04  , \_\_\_\_\_  
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   17 Nov 03   to   06 MAY 04  , 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.

  *[Signature]*   Commissions   NB 12085 ANI MD 21924    
Inspector's Signature National Board, Province and Endorsements

Date   17 July 06  ,   2004

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-005

1. Owner Nuclear Management Company, LLC Date 9/26/2003  
 Name \_\_\_\_\_

2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0308566  
 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 Address \_\_\_\_\_ Expiration Date N/A  
 Name \_\_\_\_\_ Code Class 2

4. Identification of System VC Code Case n/a Edition \_\_\_\_\_  
 Addenda n/a Code Case n/a

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 With No Addenda

(c) Applicable Section XI Code Cases None

6. Identification of Components

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Bult	Corrected, Removed, or Installed	ASME Code Stamp
22 Charging Pump	AJAX			245-042		Corrected	<input type="checkbox"/>

7. Description of Work Replaced packing assemblies.

8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

Other: A non-code leakage exam will be performed.

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 2-22-005

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 [Signature], ASME Program Engineer Date 1/9/04  
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 CT of Hartford Conn. have inspected the components described in this Owner's Report during the period 22 OCTO3 to 09 JAN 04, 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.

[Signature] Commissions NB 17055 ANI MA 21924  
Inspector's Signature National Board, Province and Endorsements  
Date January 09, 2004

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-006

1. Owner Nuclear Management Company, LLC Date 11/18/2003  
 Name \_\_\_\_\_

2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0309469, SPCE-ME-0644  
 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 Address \_\_\_\_\_ Expiration Date N/A  
 Code Class 2

4. Identification of System VC

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

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 With No Addenda

(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
23 Charging Pump	Ajax			245-043	1970	Corrected	<input type="checkbox"/>

7. Description of Work Replaced packing assemblies and packing assembly mounting nuts.

8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

Other: A non-code leakage exam will be performed.

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 2-22-006

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   *[Signature]*  , ASME Program Engineer Date   2/17/04    
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   HSBCT   of   Hartford Conn   have inspected the components described in this Owner's Report during the period   11 DEC 03   to   17 FEB 04  , 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.

  *[Signature]*   Commissions   NB 12085 and MN 2924    
Inspector's Signature National Board, Province and Endorsements

Date   February 17  ,   2004

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-007

1. Owner Nuclear Management Company, LLC Date 12/5/2003  
 Name \_\_\_\_\_

2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0309641, EEC-1266  
 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 Address \_\_\_\_\_ Expiration Date N/A  
 Code Class 2

4. Identification of System VC Code Class 2

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

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 With No Addenda

(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
22 BA Transfer Pump	Goulds			245-032		Corrected	<input type="checkbox"/>

7. Description of Work Replaced the mechanical seal gland plate.

8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

Other: Operational Leakage test.

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 2-22-007

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 [Signature], ASME Program Engineer Date 1/23/04  
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 CJ of Hartford Conn have inspected the components described in this Owner's Report during the period 16 DEC 03 to 23 JAN 04, 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.

[Signature] Commissions NB 11085 ANI MN 21924  
Inspector's Signature National Board, Province and Endorsements

Date January 23, 2004

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-009

1. Owner Nuclear Management Company, LLC Date 12/23/2003

2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2

Name  
1717 Wakonade Dr. E, Welch Minnesota 55089

Address  
0312016

3. Work Performed by Owner Repair Organization P.O. No., Job No., etc

Name  
Same

Address

4. Identification of System VC Type Code Symbol Stamp N/A

Authorization N/A

Expiration Date N/A

Code Class 2

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

Addenda n/a Code Case n/a

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 With No Addenda

(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
22 Charging Pump	Ajax			245-042	1969	Corrected	<input type="checkbox"/>

7. Description of Work Replaced 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 2-22-009

9. Remarks

n/a

**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 [Signature], ASME Program Engineer Date 1/22/04  
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 CT of Hartford Conn have inspected the components described in this Owner's Report during the period 23 DEC 03 to 22 JAN 04, 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.

[Signature] Commissions NB 17085 AWI MD 21924  
Inspector's Signature National Board, Province and Endorsements

Date January 22, 2004



**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY**

ITEM 2-22-011

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 [Signature], ASME Program Engineer Date 5/4/04, \_\_\_\_\_  
 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 15 APR 04 to 07 MAY 04, 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.

[Signature] Commissions NB 12085 ABE MN 21924  
 Inspector's Signature National Board, Province and Endorsements

Date 11 May 07, 2004



**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY**

ITEM 2-22-013

9. Remarks n/a

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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 7/29/04, \_\_\_\_\_  
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 \_\_\_\_\_ to \_\_\_\_\_, 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 1075 ANI MA 21924  
Inspector's Signature National Board, Province and Endorsements  
Date July 30, 2004

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-014

1. Owner Nuclear Management Company, LLC Date 9/10/2004  
 Name \_\_\_\_\_  
 2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 .0406259  
 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 \_\_\_\_\_ Code Class 2  
 4. Identification of System VC Code Case \_\_\_\_\_  
 5. (a) Applicable Construction Code ASME VIII, 1959 Edition  
 Addenda \_\_\_\_\_ Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 With No Addenda  
 (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
Charging Pump Desurger	Eaton Corp	3139-5		262-392		Removed	<input checked="" type="checkbox"/>
Charging Pump Desurger	Eaton Corp	3139-6		262-392		Installed	<input checked="" type="checkbox"/>

7. Description of Work Replace Charging Pump Desurger.

8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

Other: \_\_\_\_\_

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 2-22-014

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 [Signature], ASME Program Engineer Date 9/10/04, \_\_\_\_\_  
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 17 JUN 04 to 10 SEP 04, 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 [Signature] Commissions NB 17075 MW MA 21924  
National Board, Province and Endorsements

Date September 10, 2004

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-016

1. Owner Nuclear Management Company, LLC Date 1/26/2005

2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
1717 Wakonade Dr. E, Welch Minnesota 55089 0407387  
 Address Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner Type Code Symbol Stamp N/A  
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 n/a Code Cases n/a  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998 With 2000 Addenda  
 (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
Charging Pump Packing Assy.	AJAX			Spare	1969	Corrected	<input type="checkbox"/>

7. Description of Work Replaced plungers in 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 2-22-016

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 1/26/05, \_\_\_\_\_  
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 13DEC04 to 28JAN 05, 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 [Signature] Commissions NB 12085 ANI MA 21924  
National Board, Province and Endorsements

Date January 28, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-018

1. Owner Nuclear Management Company, LLC Date 10/21/2004  
 Name \_\_\_\_\_  
 2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0405228  
 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 \_\_\_\_\_ Code Class 2  
 4. Identification of System VC Code Case \_\_\_\_\_  
 5. (a) Applicable Construction Code ASME VIII, 1959 Edition  
 Addenda \_\_\_\_\_ Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 With No Addenda  
 (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
23 Charging Pump Desurger	Eaton Corp.	3139-6		262-393	1959	Removed	<input checked="" type="checkbox"/>
23 Charging Pump Desurger	Eaton Corp.	3139-5		262-393	1959	Installed	<input checked="" type="checkbox"/>

7. Description of Work Replaced desurger.

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 2-22-018

9. Remarks n/a

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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 [Signature], ASME Program Engineer Date 10/21/04  
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 OCT 04 to 21 OCT 04, 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 [Signature] Commissions NB 12085 ANI MN 21924  
National Board, Province and Endorsements  
Date October 21, 2004





**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-063

1. Owner Nuclear Management Company, LLC Date 5/2/2005  
 Name \_\_\_\_\_  
 2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0408842  
 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 2  
 5. (a) Applicable Construction Code ASME III, 1989 Edition  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_  
 (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
22 FCU	Westinghouse			274-012		Corrected	<input type="checkbox"/>

7. Description of Work Replaced H-Bend section.

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 2-22-063

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   *[Signature]*  , ASME Program Engineer Date   5/2/05  , \_\_\_\_\_

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   25 APR 05   to   04 MAY 05  , 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.

  *[Signature]*   Commissions   NB 17025 ANI MN 21924    
Inspector's Signature National Board, Province and Endorsements

Date   May 04  ,   2005

**Section 9. Code Cases and Relief Requests**

The following table lists all Code Cases and Relief Requests that were used during the period of this summary report.

<u>RELIEF REQUESTS</u>	<u>DESCRIPTION</u>
TAC MC0821	Alignment of Unit 1 and 2 Ten Year Inspection and Testing Interval Dates Alternative to ASME Section XI, Appendix VIII, Supplement 10
<u>ALTERNATIVE TESTING</u>	<u>DESCRIPTION</u>
Relief Request # 7	Use of Existing Calibration Blocks
Relief Request # 10	Appendix VII Annual Training
Relief Request # 11	Appendix VIII, Supplement 4
Relief Request # 17	VT-1 Examination of Bolting
Relief Request # 20	Appendix VIII, Supplement 10
<u>CODE CASE #</u>	<u>DESCRIPTION</u>
N-491-1	Alternative Rules for Examination of Class 1, 2, 3, and MC Component Supports of Light-Water Cooled Power Plants
N-509	Alternative Rules for the Selection and Examination of Class 1, 2, and 3 Integrally Welded Attachments.
N-533-1	Alternative Requirements for VT-2 Visual Examination of Class 1, 2, and 3 Insulated Pressure-Retaining Bolted Connections
N-609	Alternative Requirements to Stress-Based Selection Criteria for Category B-J Welds
N-613-1 (Relief Request # 19)	Alternative Rules for the Ultrasonic Examination of Full Penetration Nozzles in Vessels, Examination Category B-D, Item No's. B3.10 and B3.90, reactor Vessel-To-Nozzle Welds, Fig. IWB-2500-7(a), (b), and (c)
N-623	Deferral of Inspections of Shell-to-Flange and Head-to-Flange Welds of a Reactor Vessel
N-648-1	Alternative Requirements for Inner Radius Examinations of Class 1 Reactor Vessel Nozzles

**ENCLOSURE 2**

**NUCLEAR MANAGEMENT COMPANY, LLC  
PRAIRIE ISLAND NUCLEAR GENERATING PLANT  
DOCKET NO. 50-306**

**September 2005**

**INSERVICE INSPECTION SUMMARY REPORT  
INTERVAL 4, PERIOD 1  
REFUELING OUTAGE DATES: April 16, 2005 – June 10, 2005  
UNIT 2, FUEL CYCLE 22: October 11, 2003 – June 10, 2005  
(enclosure contains a table of contents)**

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

OPERATED BY:  
NUCLEAR MANAGEMENT COMPANY, LLC  
700 FIRST STREET  
HUDSON, WISCONSIN 54016

INSERVICE INSPECTION SUMMARY REPORT  
INTERVAL 4, PERIOD 1  
REFUELING OUTAGE DATES: 04-16-2005 TO 06-10-2005  
UNIT 2, FUEL CYCLE 22: 10-11-2003 TO 06-10-2005

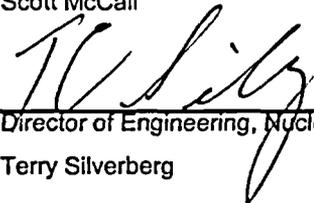
COMMERCIAL SERVICE DATE: DECEMBER 21, 1974

Prepared by:  Date: 9/1/05  
TSI Fleet Supervisor, Nuclear Management Co.  
Gary Park

Reviewed by:  Date: 9/1/05  
Repair/Replacement Program Engineer, Nuclear Management Co.  
Ron Clow

Reviewed by:  Date: 9-2-05  
NDE Level III  
Jerry Wren

Reviewed by: Tom Downing (for SEM) Date: 9/2/05  
Program Engineering Manager, Nuclear Management Co.  
Scott McCall

Approved by:  Date: 9/2/05  
Director of Engineering, Nuclear Management Co.  
Terry Silverberg

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## Section 1. Discussion

### 1.0 INTRODUCTION

This summary report identifies the components examined, the examination methods used, the examination number and summarizes the examination results performed during the 1<sup>st</sup> period of the 4<sup>th</sup> interval, unit 2 fuel cycle 22. The 4<sup>th</sup> inspection interval is based on the examination requirements of the ASME Boiler and Pressure Vessel Code Section XI, 1998 Edition with the 2000 addenda.

### 2.0 PERSONNEL

Visual and nondestructive examinations were performed by Nuclear Management Company, Lambert MacGill Thomas Inc. (LMT), Wesdyne, Areva, MoreTech and Zetec Inc. Wesdyne was contracted to perform the 10-year reactor vessel examinations. The Hartford Steam Boiler Inspection and Insurance Company of Connecticut, provided the Authorized Inspection services. Examination personnel certifications are maintained on file by Nuclear Management Company.

### 3.0 INSPECTION SUMMARY

Examination results indicate that plant system's integrity has been maintained.

Section 3 contains the Class 1 and 2 components examined, the examination number and summary of the examination results performed during unit 2 cycle 22. The 4<sup>th</sup> Interval was based on the ASME Section XI 1998 Edition with the 2000 Addenda. Note that all of the "Limited Examinations" are documented in Relief Request 2-RR 4-6.

Section 4 contains the Class MC components examined, the examination number, and summary of the examination results performed during unit 2 cycle 22. The first interval, September 9, 1996 to May 8, 2008 is based on the examination requirements of ASME Section XI 1992 Edition and 1992 Addenda, and 10 CFR50.55a dated Tuesday, September 30, 1997.

Section 5 contains the pressure test results. All indications of leakage were evaluated and corrective measures performed as required by IWB-3142 and IWA-5250. Four leaking Code Class 1 components were accepted by analytical evaluation as allowed by Code Case N-566-1. These evaluations are submitted as required by subparagraph IWB-3144(b) and included in Section 5.

Section 6 contains the Snubber inspection results. No snubber failures were identified.

Section 7 contains the Eddy Current examinations of 21 and 22 Steam Generators tubes were performed. The examination results are included in Section 7.

Section 8 contains seventy seven (75) Repair/Replacement Activities completed under the 4<sup>th</sup> Interval during the unit 2 cycle 22.

Section 9 contains the code cases and relief requests that were utilized during the 4<sup>th</sup> Interval within the period that this Summary Report covers.

#### 4.0 EXAMINATION REPORTS, EQUIPMENT AND MATERIALS

The inservice inspection reports in Section 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 Nuclear Management Company.

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

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

#### 5.0 INDICATIONS REQUIRING REPORTING

##### 5.1 ISI EXAMINATIONS

###### Exam Report – 2005V065

A loose U-Bolt and Nuts on Support No. 137-2RTD-3 on RTD Bypass Line Cold Leg Loop B was found. CAP 42441 was written to document the condition. This is the second time that this support had been identified with a loose U-Bolt and Nuts. In 1993, NDE Report Number 93-0090 also indicated the same condition. CE007891 was written to evaluate and if necessary, initiate corrective actions regarding CAP 42441, "Loose U-Bolt and Nuts on Support No. 137-2RTD Bypass Line Cold Leg Loop B". A Work Order (WO) 0504684 was written to re-tighten the U-Bolt clamped support on the RTD Line and perform a VT-3 preservice examination. As required by ASME Section XI, IWF-2430, a scope expansion was performed with no additional reportable indications being noted. The support has been scheduled for successive examination at the next refueling outage.

###### Exam Report - 2005V091

During the inspection of a Main Steam system piping restraint no. 2-MS-7A it was determined that the support had a loose nut (ref. NDE Report No. 2005V091). The nut is in place to preclude movement of the support frame. The probable cause of the nut loosening is due to normal piping vibration or due to the nut not being properly torqued. As part of the inspection it was determined and recorded that the support was still performing its intended design function.

No operability determination is required since the unit is in Cold Shutdown and there are no operability requirements for this portion of the system. The support would perform its intended design function.

Per ASME Code Interpretation XI-1-86-30R states that if a support is determined to be capable of serving its intended design function and corrective measures are performed to

restore the support to meet the original design function as a good engineering practice, then the additional examination scope is not required. Therefore, no additional scope was initiated.

## 5.2 IWE EXAMINATIONS

### **Exam Report – 2005V194**

A small tear approximately 1" was found in a portion of the moisture barrier (summary number 600482). The tear was caused by mechanical contact with equipment used during the outage that was stored near that section of moisture barrier. During an outage it is common to store equipment on the outside wall of containment. There is potential for this stored equipment to come in contact with the moisture barrier and cause damage. Each outage a 100% inspection of the moisture barrier is performed by SP 2123 in order to identify and repair any areas where damaged was caused by stored equipment. This area was identified by this inspection, an ISI inspection (exam report 2005V194) was then completed prior to the repair. All areas have been identified by SP 2123 and repaired; no additional or successive inspections are required as a result of this indication.

### **Exam report – 2005V195**

An area in the moisture barrier (summary number 600464) approximately 3 feet in length was found to have been previously repaired with an improper sealant. Each outage a 100% inspection of the moisture barrier is performed by SP 2123 in order to identify and repair any areas where damaged was caused by stored equipment. The improper sealant was found during this inspection. This was the only location that remained with the improper sealant. This area of moisture barrier was removed and replaced with the proper sealant. All areas have been identified by SP 2123 and repaired; no additional or successive inspections are required as a result of this indication.

**Section 2. NIS-1 (3 pages)**

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

1. Owner: Nuclear Management Company, 700 First Street, Hudson, Wisconsin 54016  
(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 2

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

5. Commercial Service Date 12/21/1974

6. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer of Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Creuot-Loire	687	MINN-200-51	---
Pressurizer	Westinghouse	1191	---	68-57
21 Steam Generator	Westinghouse	1181	---	68-39
22 Steam Generator	Westinghouse	1182	---	68-40
21 Reactor Coolant Pump	Westinghouse	W510	---	---
22 Reactor Coolant Pump	Westinghouse	W515	---	---
21 RHR Heat Exchanger	Joseph Oats & Sons	1817-1C	---	342
22 RHR Heat Exchanger	Joseph Oats & Sons	1817-1D	---	343
21 RHR Pump	Byron Jackson	---	---	---
22 RHR Pump	Byron Jackson	---	---	---
21 Safety Injection Pump	Bingham	---	---	---
22 Safety Injection Pump	Bingham	---	---	---
21 Accumulator Tank	Delta Southern	41037-68-1	---	2575
21 Accumulator Tank	Delta Southern	41037-69-1	---	2576
21 Boric Acid Tank	NAVCO	---	---	---

8. Examination Dates: 12/21/2004 to 06/10/2005

9. Inspection Period Identification: (1<sup>st</sup> Period) 12/21/2004 to 12/20/2007

10. Inspection Interval Identification: (4<sup>th</sup> Interval) 12/21/2004 to 12/20/2014

11. Applicable Edition of Section XI 1998 Edition with 2000 Addenda

NIS-1

12. Date/Revision of Inspection Plan: 12/21/04, Revision 0

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 Sept 1, 2005 Signed [Signature]  
By Gary Frank

CERTIFICATE OF INSERVICE INSPECTION

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

Minnesota and employed by HSB CT of

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

12/21/04 to 06/10/05, 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.

[Signature] Commissions MAI 21924  
Inspector's Name National Board, State, Province, and Endorsements

Date: 02 AUG 05

**Section 3. ISI/PSI Examinations**

# Inservice Inspection Report

Owner: Xcel Energy  
 Plant: Prairie Island Nuclear Generating Plant, 1717 Wakonade Drive East, Welch, MN 55089  
 Plant Unit: 2

Owner Certificate of Authorization (If Req.): N/A  
 Commercial Service Date:  
 National Board Number for Unit: N/A

Category	Item	Summary No.	Comp ID	Comp Desc.	Procedure	Method Sheet Results	Sys	ISO Num	Exam Date
<b>Class 1</b>									
BACC	GL88-05	570032	BMV on Bottom Head	Perform Bare Metal Visual on Bottom of RV Vessel	SWI NDE-VT-4.0	VT 2005V201 NAD	RV		4/21/2005
B-B	B2.11	501666	W- 5	Top Head to Shell	SWI NDE-UT-15	UT 2005U001 NAD	RC	2-ISI-36	5/04/2005
B-B	B2.12	501502	W- 2	Vertical Shell Weld	SWI NDE-UT-15	UT 2005U002 NAD	RC	2-ISI-36	5/04/2005
B-D	B3.120	505004	N- 4B IR	Safety Nozzle	SWI NDE-UT-14	UT 2005U004 NAD	RC	2-ISI-35	5/11/2005
B-G-1	B6.10	500439	RV Nuts 1-16	Nuts (1-16)	SWI NDE-VT-1.0	VT 2005V070 NAD	RV	2-ISI-39	5/12/2005
B-G-1	B6.30	500440	RV Studs 1-16	Studs (1-16)	SWI NDE-UT-4	UT 2005U019 NAD	RV	2-ISI-39	5/12/2005
B-G-1	B6.50	500442	RV Washers 1-16	Washers (1-16)	SWI NDE-VT-1.0	VT 2005V069 NAD	RV	2-ISI-39	5/12/2005
B-G-2	B7.10	500641	B-1	CETNA at 120 degrees	SWI NDE-VT-1.0	VT 2005V185 NAD	RV	2-ISI-38	5/19/2005
B-G-2	B7.10	500642	B-2	CETNA at 250 degrees	SWI NDE-VT-1.0	VT 2005V189 NAD	RV	2-ISI-38	5/19/2005
B-G-2	B7.10	500643	B-3	CETNA at 330 degrees	SWI NDE-VT-1.0	VT 2005V190 NAD	RV	2-ISI-38	5/19/2005
B-G-2	B7.30	501018	B- 2	Outlet Manway Studs	SWI NDE-VT-1.0	VT 2005V064 NAD	SG	2-ISI-37A	5/11/2005
B-G-2	B7.50	500703	B- 2	Flange Bolts	SWI NDE-VT-1.0	VT 2005V002 NAD	VC	2-ISI-12C	5/06/2005
B-G-2	B7.50	500704	B- 2	Flange Bolts	SWI NDE-VT-1.0	VT 2005V028 IND	VC	2-ISI-1A	5/06/2005
Comments:	Inboard side has <1 full thread beyond nut. CAP 42240 "Accept As Is"								
B-G-2	B7.50	500705	B- 1	Flange Bolts	SWI NDE-VT-1.0	VT 2005V031 NAD	VC	2-ISI-1A	5/06/2005
B-G-2	B7.60	500375	B- 3	Lower Seal House	SWI NDE-VT-1.0	VT 2005V161 NAD	RC	2-ISI-43C	5/25/2005
B-G-2	B7.70	500091	B- 1	Valve Bolting (16)	SWI NDE-VT-1.0	VT 2005V163 NAD	RH	2-ISI-10C	5/23/2005
B-G-2	B7.70	500093	B- 1	Valve Bolting	SWI NDE-VT-1.0	VT 2005V001 IND	RH	2-ISI-20C	5/06/2005
Comments:	All studs exhibited tooling marks on studs. CAP 42234 "Accept As Is"								
B-G-2	B7.70	500095	B- 1	Valve Bolting	SWI NDE-VT-1.0	VT 2005V177 NAD	RC	2-ISI-10A	5/20/2005
B-G-2	B7.70	500096	B- 1	Valve Bolting (16)	SWI NDE-VT-1.0	VT 2005V166 NAD	RC	2-ISI-20A	5/23/2005
B-G-2	B7.70	500098	B- 1	Valve Bolting	SWI NDE-VT-1.0	VT 2005V009 NAD	SI	2-ISI-21	5/06/2005
B-G-2	B7.70	500131	B- 1	Valve Bolting	SWI NDE-VT-1.0	VT 2005V029 IND	SI	2-ISI-11	5/06/2005
Comments:	9 of 16 studs don't have 1 full thread above the nut. CAP 42237 "Accept As Is"								
B-G-2	B7.70	500138	B- 1	Valve Bolting	SWI NDE-VT-1.0	VT 2005V066 NAD	RC	2-ISI-23	5/12/2005
B-G-2	B7.70	505603	B- 2	Valve Bolting (Currently Installed 2-RC-10-1)	SWI NDE-VT-1.0	VT 2005V041 NAD	RC	2-ISI-30A	5/08/2005
B-G-2	B7.70	505604	B- 2	Valve Bolting (Currently Installed 2-RC-10-2)	SWI NDE-VT-1.0	VT 2005V040 NAD	RC	2-ISI-30B	5/08/2005

# Inservice Inspection Report

Category	Item	Summary No.	Comp ID	Comp Desc.	Procedure	Method Sheet Results	Sys	ISO Num	Exam Date	
B-J	B9.21	501687	W-7	Tee to Valve	SWI NDE-PT-1	PT 2005P037 NAD	RC	2-ISI-27	5/24/2005	
					SWI NDE-UT-16A	UT 2005U037 NAD	RC	2-ISI-27	5/26/2005	
B-J	B9.21	501750	W-8	Valve to Pipe	SWI NDE-PT-1	PT 2005P038 NAD	RC	2-ISI-27	5/24/2005	
					SWI NDE-UT-16A	UT 2005U040 NAD	RC	2-ISI-27	5/25/2005	
B-J	B9.21	502004	W-13	Pipe to Valve	SWI NDE-PT-1	PT 2005P035 NAD	RC	2-ISI-27	5/24/2005	
					SWI NDE-UT-16A	UT 2005U039 NAD	RC	2-ISI-27	5/25/2005	
B-J	B9.21	502042	W-14	Valve to Pipe	SWI NDE-PT-1	PT 2005P036 NAD	RC	2-ISI-27	5/24/2005	
					SWI NDE-UT-16A	UT 2005U038 NAD	RC	2-ISI-27	5/25/2005	
F-A	F1.10	500372	H-2	Spring Hanger	SWI NDE-VT-2.0	VT 2005V207 NAD	RC	2-ISI-27	5/28/2005	
F-A	F1.10	500373	H-3	Spring Hanger	SWI NDE-VT-2.0	VT 2005V208 NAD	RC	2-ISI-27	5/28/2005	
F-A	F1.10a	500054	H-3	Support	SWI NDE-VT-2.0	VT 2005V141 NAD	RC	2-ISI-14	5/18/2005	
Comments:	Exam performed for Scope Expansion of Report 2005V065									
F-A	F1.10a	500263	H-4	Restraint	SWI NDE-VT-2.0	VT 2005V015 NAD	RH	2-ISI-20B	5/06/2005	
F-A	F1.10a	500278	H-7	Restraint	SWI NDE-VT-2.0	VT 2005V016 NAD	RH	2-ISI-10B	5/06/2005	
F-A	F1.10a	501031	H-4	Restraint	SWI NDE-VT-2.0	VT 2005V007 NAD	VC	2-ISI-12A	5/06/2005	
F-A	F1.10a	501038	H-5	Rigid Hanger	SWI NDE-VT-2.0	VT 2005V012 NAD	VC	2-ISI-12B	5/06/2005	
F-A	F1.10a	501156	H-2	Rod/Clamp	SWI NDE-VT-2.0	VT 2005V003 NAD	RC	2-ISI-7C	5/06/2005	
F-A	F1.10a	501361	H-2	Seismic Restraint	SWI NDE-VT-2.0	VT 2005V010 NAD	SI	2-ISI-11	5/06/2005	
F-A	F1.10b	500053	H-1	Support	SWI NDE-VT-2.0	VT 2005V067 NAD	RC	2-ISI-14	5/12/2005	
F-A	F1.10b	500055	H-4	Support	SWI NDE-VT-2.0	VT 2005V065 IND	RC	2-ISI-14	5/12/2005	
					SWI NDE-VT-2.0	VT 2005V179 NAD	RC	2-ISI-14	5/29/2005	
Comments:	U-Bolt loose allowing excessive horizontal & minor vertical movement of U-Bolt. CAP 042441, WO 0504684 written. VT Report 2005V179 is the PSI after repair.									
F-A	F1.10b	500057	H-1	Support	SWI NDE-VT-2.0	VT 2005V068 NAD	RC	2-ISI-17	5/12/2005	
F-A	F1.10b	500058	H-3	Support	SWI NDE-VT-2.0	VT 2005V159 NAD	RC	2-ISI-15	5/21/2005	
Comments:	Exam performed for Scope Expansion of Report 2005V065									
F-A	F1.10b	500060	H-1	Support	SWI NDE-VT-2.0	VT 2005V158 NAD	RC	2-ISI-15	5/21/2005	
Comments:	Exam performed for Scope Expansion of Report 2005V065									
F-A	F1.10b	500273	H-1	Restraint	SWI NDE-VT-2.0	VT 2005V180 NAD	RC	2-ISI-20A	5/28/2005	
Comments:	This is a successive examination for VT Report 2002V149 (ref. CR 200201891)									
F-A	F1.10b	501077	H-8	Rigid Restraint	SWI NDE-VT-2.0	VT 2005V013 NAD	VC	2-ISI-1B	5/06/2005	
F-A	F1.10b	501370	H-1	Restraint Single	SWI NDE-VT-2.0	VT 2005V058 NAD	SI	2-ISI-28	5/10/2005	
F-A	F1.10b	502938	H-2	Support	SWI NDE-VT-2.0	VT 2005V155 NAD	RC	2-ISI-17	5/18/2005	
Comments:	Exam performed for Scope Expansion of Report 2005V065									
F-A	F1.10c	501045	H-1	Snubber/Clamp	SWI NDE-VT-2.0	VT 2005V147 NAD	VC	2-ISI-13D	5/20/2005	
F-A	F1.10c	501052	H-3	Snubber	SWI NDE-VT-2.0	VT 2005V124 NAD	RC	2-ISI-13B	5/18/2005	
					SWI NDE-VT-2.0	VT 2005V005 NAD	RC	2-ISI-13B	5/05/2005	
F-A	F1.10c	501054	H-6	Spring	SWI NDE-VT-2.0	VT 2005V008 IND	RC	2-ISI-13B	5/06/2005	

# Inservice Inspection Report

Category	Item	Summary No.	Comp ID	Comp Desc.	Procedure	Method Sheet Results	Sys	ISO Num	Exam Date
F-A	F1.10c	501091	H- 5	Snubber/Lug	SWI NDE-VT-2.0	VT 2005V156 NAD	RC	2-ISI-14	5/18/2005
Comments:	Exam performed for Scope Expansion of Report 2005V065								
F-A	F1.10c	501098	H- 2	Double Spring	SWI NDE-VT-2.0	VT 2005V059 NAD	SI	2-ISI-23	5/10/2005
Comments:	This is a successive examination for VT Report 2003V007								
F-A	F1.10c	501102	H- 3	Double Spring	SWI NDE-VT-2.0	VT 2005V014 NAD	SI	2-ISI-5	5/06/2005
Comments:	This is a successive examination for VT Report 2003V116								
F-A	F1.10c	501259	H- 2	Snubber/Clamp	SWI NDE-VT-2.0	VT 2005V011 NAD	RH	2-ISI-10B	5/06/2005
F-A	F1.10c	501298	H- 9	Spring/Clamp	SWI NDE-VT-2.0	VT 2005V017 NAD	RH	2-ISI-10B	5/06/2005
F-A	F1.10c	502913	H- 2	Snubber/Clamp	SWI NDE-VT-2.0	VT 2005V004 NAD	VC	2-ISI-12A	5/19/2005
					SWI NDE-VT-2.0	VT 2005V126 NAD	VC	2-ISI-12A	5/05/2005
F-A	F1.40	512605	H-13	Column 1	SWI NDE-VT-2.0	VT 2005V184 NAD	SG	2-ISI-37C	5/28/2005
F-A	F1.40	512606	H-14	Column 2	SWI NDE-VT-2.0	VT 2005V183 NAD	SG	2-ISI-37C	5/28/2005
F-A	F1.40	512607	H-15	Column 3	SWI NDE-VT-2.0	VT 2005V182 NAD	SG	2-ISI-37C	5/28/2005
F-A	F1.40	512608	H-16	Column 4	SWI NDE-VT-2.0	VT 2005V181 NAD	SG	2-ISI-37C	5/28/2005
<b>Class 2</b>									
ACC NOZ	NRCIN9105	550408	2LT-939	21 RC LOOP A ACC LVL XMTR 2	SWI NDE-UT-16A	UT 2005U044 NAD	SI		6/03/2005
ACC NOZ	NRCIN9105	550409	2PT-941	21 RC LOOP A ACC P XMTR 2	SWI NDE-UT-16A	UT 2005U045 NAD	SI		6/03/2005
ACC NOZ	NRCIN9105	550410	2LT-938	21 RC LOOP A ACC LVL XMTR 1	SWI NDE-UT-16A	UT 2005U042 NAD	SI		6/02/2005
ACC NOZ	NRCIN9105	550412	2LT-935	22 RC LOOP B ACC LVL XMTR 2	SWI NDE-UT-16A	UT 2005U043 NAD	SI		5/31/2005
C-A	C1.10	501532	W- 2	Shell to Flange	SWI NDE-UT-16	UT 2005U020 GEO	RH	2-ISI-69A	5/16/2005
Comments:	Examination was limited to 54.79% (Ref. Relief Request 2-RR 4-6)								
C-C	C3.20	520668	H-3/A	Int. Attach[Seismic Anchor]	SWI NDE-MT-1	MT 2005M003 NAD	FW	2-ISI-48	5/14/2005
C-C	C3.20	520957	H-10/A	Int. Attach[Restraint Bracket]	SWI NDE-MT-1	MT 2005M005 NAD	MS	2-ISI-46A	5/15/2005
C-C	C3.20	520973	H-4/A	Int. Attach[Rupture Restraint]	SWI NDE-MT-1	MT 2005M002 NAD	MS	2-ISI-47A	5/15/2005
C-C	C3.20	521274	H-1/A	Int. Attach[Single Support]	SWI NDE-PT-1	PT 2005P004 NAD	SI	2-ISI-72	5/10/2005
C-C	C3.20	525557	H-2/A	Int. Attach.[Seismic Support]	SWI NDE-PT-1	PT 2005P034 NAD	CS	2-ISI-98A	5/23/2005
C-C	C3.20	525561	H-6/A	Int. Attach[Seismic Restraint]	SWI NDE-PT-1	PT 2005P033 NAD	CS	2-ISI-98A	5/23/2005
C-C	C3.30	521398	H-5/A	Int. Attach[Support E]	SWI NDE-PT-1	PT 2005P002 NAD	SI	2-ISI-60A	5/09/2005
C-C	C3.30	521401	H-6/A	Int. Attach[Support F]	SWI NDE-PT-1	PT 2005P003 NAD	SI	2-ISI-60A	5/09/2005
C-F-1	CX.XX	515544	W-5	Elbow to Tee	SWI NDE-PT-1	PT 2005P027 NAD	CS	2-ISI-98A	5/20/2005
					SWI NDE-UT-16A	UT 2005U035 NAD	CS	2-ISI-98A	5/20/2005
C-F-1	CX.XX	515545	W-6	PIPE TO VALVE(CS-47)	SWI NDE-UT-16A	UT 2005U029 NAD	CS	2-ISI-98A	5/20/2005
					SWI NDE-PT-1	PT 2005P029 NAD	CS	2-ISI-98A	5/20/2005
C-F-1	CX.XX	515552	W-13	Elbow to Tee	SWI NDE-UT-16A	UT 2005U034 NAD	CS	2-ISI-98A	5/20/2005
					SWI NDE-PT-1	PT 2005P022 NAD	CS	2-ISI-98A	5/20/2005

# Inservice Inspection Report

Category	Item	Summary No.	Comp ID	Comp Desc.	Procedure	Method Sheet Results		Sys	ISO Num	Exam Date	
C-F-1	CX.XX	515553	W-14	PIPE TO VALVE(CS-46)	SWI NDE-UT-16A	UT	2005U028	NAD	CS	2-ISI-98A	5/20/2005
					SWI NDE-PT-1	PT	2005P024	NAD	CS	2-ISI-98A	5/20/2005
C-F-1	CX.XX	590001	W-5A	Tee to Pipe	SWI NDE-PT-1	PT	2005P028	NAD	CS	2-ISI-98A	5/20/2005
					SWI NDE-UT-16A	UT	2005U030	NAD	CS	2-ISI-98A	5/20/2005
C-F-1	CX.XX	590002	W-17	Tee to Pipe	SWI NDE-UT-16A	UT	2005U031	NAD	CS	2-ISI-98A	5/20/2005
					SWI NDE-PT-1	PT	2005P020	NAD	CS	2-ISI-98A	5/20/2005
C-F-1	CX.XX	590003	W-18	Pipe to Valve	SWI NDE-PT-1	PT	2005P021	NAD	CS	2-ISI-98A	5/20/2005
					SWI NDE-UT-16A	UT	2005U026	NAD	CS	2-ISI-98A	5/20/2005
C-F-1	CX.XX	590004	W-13A	Tee to Pipe	SWI NDE-UT-16A	UT	2005U033	NAD	CS	2-ISI-98A	5/20/2005
					SWI NDE-PT-1	PT	2005P023	NAD	CS	2-ISI-98A	5/20/2005
C-F-1	CX.XX	590005	W-19	Tee to Pipe	SWI NDE-PT-1	PT	2005P025	NAD	CS	2-ISI-98A	5/20/2005
					SWI NDE-UT-16A	UT	2005U032	NAD	CS	2-ISI-98A	5/20/2005
C-F-1	CX.XX	590006	W-20	Pipe to Valve	SWI NDE-UT-16A	UT	2005U027	NAD	CS	2-ISI-98A	5/20/2005
					SWI NDE-PT-1	PT	2005P026	NAD	CS	2-ISI-98A	5/20/2005
F-A	F1.20a	500324	H-6	Seismic Restraint	SWI NDE-VT-2.0	VT	2005V123	NAD	AF	2-ISI-49A	5/18/2005
F-A	F1.20a	500668	H-3	Seismic Anchor	SWI NDE-VT-2.0	VT	2005V080	NAD	FW	2-ISI-48	5/14/2005
F-A	F1.20a	500957	H-10	Restraint Bracket	SWI NDE-VT-2.0	VT	2005V081	NAD	MS	2-ISI-46A	5/14/2005
F-A	F1.20a	500964	H-9	Rupture Restraint	SWI NDE-VT-2.0	VT	2005V193	NAD	MS	2-ISI-46A	5/31/2005
					SWI NDE-VT-2.0	VT	2005V091	IND	MS	2-ISI-46A	5/16/2005
Comments	Loose Nut, Chipped paint on various areas of restraint, and backing bars left in place. Various one-sided welds on bottom side of support. CAP 042603, WO 0504745. VT Report 2005V193 PSI after repair.										
F-A	F1.20a	500973	H-4	Rupture Restraint	SWI NDE-VT-2.0	VT	2005V078	NAD	MS	2-ISI-47A	5/15/2005
F-A	F1.20a	501274	H-1	Single Support	SWI NDE-VT-2.0	VT	2005V057	NAD	SI	2-ISI-72	5/10/2005
F-A	F1.20a	505323	H-3	Rod/Clamp	SWI NDE-VT-2.0	VT	2005V143	NAD	SI	2-ISI-91	5/18/2005
F-A	F1.20a	515559	H-4	Single Sliding Base	SWI NDE-VT-2.0	VT	2005V174	NAD	CS	2-ISI-98A	5/23/2005
F-A	F1.20a	515560	H-5	Single Sliding Base	SWI NDE-VT-2.0	VT	2005V176	NAD	CS	2-ISI-98A	5/23/2005
F-A	F1.20b	501282	H-6	Seismic Support	SWI NDE-VT-2.0	VT	2005V142	NAD	SI	2-ISI-72	5/18/2005
F-A	F1.20b	505386	H-4	Seismic Anchor	SWI NDE-VT-2.0	VT	2005V203	NAD	SI	2-ISI-93A	6/05/2005
Comments:	Arc Strike noted during examination. CAP 042294 and WO 0504750 written										
F-A	F1.20b	515557	H-2	Seismic Support	SWI NDE-VT-2.0	VT	2005V175	NAD	CS	2-ISI-98A	5/23/2005
F-A	F1.20b	515561	H-6	Seismic Restraint	SWI NDE-VT-2.0	VT	2005V169	NAD	CS	2-ISI-98A	5/23/2005
F-A	F1.20c	501197	H-2	Spring Base Support	SWI NDE-VT-2.0	VT	2005V152	NAD	RH	2-ISI-51	5/19/2005
F-A	F1.20c	501234	H-3	Snubber/Clamp	SWI NDE-VT-2.0	VT	2005V202	NAD	RH	2-ISI-51	6/5/2005
F-A	F1.20c	505249	H-4	Snubber/Clamp	SWI NDE-VT-2.0	VT	2005V162	NAD	SI	2-ISI-94A	5/21/2005
F-A	F1.20c	515556	H-1	Single Sliding Spring Base	SWI NDE-VT-2.0	VT	2005V167	NAD	CS	2-ISI-98A	5/23/2005
F-A	F1.20c	515613	H-9	Snubber	SWI NDE-VT-2.0	VT	2005V148	NAD	RH	2-ISI-51	5/19/2005
F-A	F1.20c	515615	H-7	Snubber	SWI NDE-VT-2.0	VT	2005V151	NAD	RH	2-ISI-52	5/19/2005

# Inservice Inspection Report

Category	Item	Summary No.	Comp ID	Comp Desc.	Procedure	Method Sheet Results	Sys	ISO Num	Exam Date	
F-A	F1.40	501020	H-1	Support A	SWI NDE-VT-2.0	VT 2005V172 NAD	CS	2-ISI-99A	5/24/2005	
F-A	F1.40	501021	H-2	Support B	SWI NDE-VT-2.0	VT 2005V173 NAD	CS	2-ISI-99A	5/24/2005	
F-A	F1.40	501022	H-1	Support A	SWI NDE-VT-2.0	VT 2005V191 NAD	CS	2-ISI-99B	5/31/2005	
F-A	F1.40	501023	H-2	Support B	SWI NDE-VT-2.0	VT 2005V192 NAD	CS	2-ISI-99B	5/31/2005	
F-A	F1.40	501375	H-1	Support A	SWI NDE-VT-2.0	VT 2005V021 NAD	SI	2-ISI-60A	5/07/2005	
F-A	F1.40	501383	H-2	Support B	SWI NDE-VT-2.0	VT 2005V020 NAD	SI	2-ISI-60A	5/07/2005	
F-A	F1.40	501387	H-3	Support C	SWI NDE-VT-2.0	VT 2005V018 NAD	SI	2-ISI-60A	5/07/2005	
F-A	F1.40	501393	H-4	Support D	SWI NDE-VT-2.0	VT 2005V025 NAD	SI	2-ISI-60A	5/07/2005	
F-A	F1.40	501398	H-5	Support E	SWI NDE-VT-2.0	VT 2005V027 NAD	SI	2-ISI-60A	5/07/2005	
F-A	F1.40	501401	H-6	Support F	SWI NDE-VT-2.0	VT 2005V026 NAD	SI	2-ISI-60A	5/07/2005	
F-A	F1.40	502650	H-4	Snubber 4	SWI NDE-VT-2.0	VT 2005V178 NAD	SG	2-ISI-37D	5/23/2005	
F-A	F1.40	502651	H-5	Spring 1	SWI NDE-VT-2.0	VT 2005V023 NAD	SG	2-ISI-37C	5/06/2005	
Comments:	This is a successive examination for VT Report 2003V101 (Ref. CAP 032933)									
F-A	F1.40	502652	H-6	Spring 2	SWI NDE-VT-2.0	VT 2005V199 NAD	SG	2-ISI-37C	6/02/2005	
					SWI NDE-VT-2.0	VT 2005V022 IND	SG	2-ISI-37C	5/06/2005	
Comments:	Cotter Pin barely spread, WIN A68101 written to spread cotter pin. VT Report 2005V199 is PSI for cotter pin adjustment.									
F-A	F1.40	502653	H-5	Spring 1	SWI NDE-VT-2.0	VT 2005V039 IND	SG	2-ISI-37D	5/06/2005	
Comments:	This is a successive examination for VT Report 2003V100 (Ref. CAP 032934). Extra nuts on top right embed bolt & 2 extra nuts on bottom right embed bolt. Heavy gouges on adjustment rod. CAP 043878 "Accept As Is"									
F-A	F1.40	502654	H-6	Spring 2	SWI NDE-VT-2.0	VT 2005V024 NAD	SG	2-ISI-37D	5/06/2005	
Comments:	This is a successive examination for VT Report 2003117 (Ref. CAP 032934).									
FWTOSG	NRCIN9320	505730	W-23IN9320	Pipe to Reducer	SWI NDE-UT-1A	UT 2005U009 NAD	FW	2-ISI-48	5/09/2005	
FWTOSG	NRCIN9320	505731	W-24IN9320	Reducer to Nozzle	SWI NDE-UT-1A	UT 2005U008 GEO	FW	2-ISI-48	5/09/2005	
FWTOSG	NRCIN9320	505732	N-1 IN-IR	Feedwater Nozzle Knuckle Region	SWI NDE-MT-1	MT 2005M004 NAD	SG	2-ISI-37A	5/14/2005	
FWTOSG	NRCIN9320	505733	H-1	Feedwater Ring Hanger	SWI NDE-VT-2.0	VT 2005V090 NAD	SG		5/14/2005	
FWTOSG	NRCIN9320	505734	N-1 Ring Tee	FW Ring/Tee supports	SWI NDE-VT-2.0	VT 2005V082 NAD	SG	2-ISI-37A	5/14/2005	
FWTOSG	NRCIN9320	505735	W- F VT	Transition Cone Girth Weld (I.D.) VT	SWI NDE-VT-1.0	VT 2005V079 NAD	SG	2-ISI-37A	5/14/2005	

**Section 4. IWE Examinations**

### Section 4. IWE Examinations

Plant: Prairie Island Nuclear Generating Plant, 1717 Wakonade Drive East, Welch, MN 55089  
 Plant: Unit 2  
 Owner: Xcel Energy  
 Operated by: Nuclear Management Company

Owner Certificate of Authorization (If Req.): NA  
 Commercial Service Date: 12/16/1973  
 National Board Number for Unit: NA

Summary No.	Comp ID	Comp Desc.	Category	Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
<b>Class MC</b>									
600087	S-75	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V093 NAD	PC	2-ISI-304	05/16/2005
600088	S-75A	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V094 NAD	PC	2-ISI-304	05/14/2005
600089	S-76	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V095 NAD	PC	2-ISI-304	05/16/2005
600090	S-77	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V096 NAD	PC	2-ISI-304	05/16/2005
600092	S-77B	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V097 NAD	PC	2-ISI-304	05/14/2005
600093	S-78	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V127 NAD	PC	2-ISI-305	05/17/2005
600094	S-79	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V128 NAD	PC	2-ISI-305	05/17/2005
600095	S-80	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V129 NAD	PC	2-ISI-305	05/17/2005
600096	S-81	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V130 NAD	PC	2-ISI-305	05/17/2005
600097	S-81A	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V098 NAD	PC	2-ISI-305	05/14/2005
600110	S-88	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V099 NAD	PC	2-ISI-306	05/16/2005
600111	S-89	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V100 NAD	PC	2-ISI-307	05/16/2005
600118	S-94	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V131 NAD	PC	2-ISI-308	05/17/2005
600119	S-95	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V132 NAD	PC	2-ISI-308	05/17/2005
600120	S-96	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V133 NAD	PC	2-ISI-308	05/17/2005
600121	S-97	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V134 NAD	PC	2-ISI-308	05/17/2005
600122	S-98	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V135 NAD	PC	2-ISI-308	05/17/2005
600123	S-99	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V139 NAD	PC	2-ISI-309	05/17/2005
600136	S-110	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V137 NAD	PC	2-ISI-311	05/17/2005
600137	S-111	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V138 NAD	PC	2-ISI-311	05/17/2005
600138	S-112	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V136 NAD	PC	2-ISI-311	05/17/2005

Summary No.	Comp ID	Comp Desc.	Category	Item	Procedure	Method/Sheet/Results	System	ISO Num	Exam Date
600266	C1	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V088 NAD	PC	2-ISI-305	05/14/2005
600279	C11	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V089 NAD	PC	2-ISI-304	05/14/2005
600285	C16	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V101 NAD	PC	2-ISI-305	05/14/2005
600293	C24	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V102 NAD	PC	2-ISI-305	05/14/2005
600307	C32A	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V092 NAD	PC	2-ISI-302	05/14/2005
600321	C36D	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V103 NAD	PC	2-ISI-304	05/14/2005
600333	C41A	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V104 NAD	PC	2-ISI-319	05/14/2005
600334	C41B	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V105 NAD	PC	2-ISI-311	05/14/2005
600335	C41C	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V106 NAD	PC	2-ISI-315	05/14/2005
600336	C42A	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V107 NAD	PC	2-ISI-305	05/14/2005
600345	C45	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V108 NAD	PC	2-ISI-305	05/14/2005
600348	C47A	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V109 NAD	PC	2-ISI-307	05/14/2005
600349	C47B	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V110 NAD	PC	2-ISI-307	05/14/2005
600350	C47C	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V111 NAD	PC	2-ISI-310	05/14/2005
600351	C47D	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V112 NAD	PC	2-ISI-310	05/14/2005
600353	C49	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V114 NAD	PC	2-ISI-305	05/14/2005
600354	C50	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V113 NAD	PC	2-ISI-305	05/14/2005
600359	C55	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V140 NAD	PC	2-ISI-305	05/14/2005
600360	C56	Accessible Surface Area	E-A	E1.12	SWI NDE-VT-2.1	VT 2005V115 NAD	PC	2-ISI-304	05/14/2005
600464	G54	MOISTURE BARRIER	E-D	E5.30	SWI NDE-VT-2.1	VT 2005V195 IND	PC	2-ISI-301	06/01/2005
					SWI NDE-VT-2.1	VT 2005V204 NAD	PC	2-ISI-301	06/07/2005
600479	G68A	MOISTURE BARRIER	E-D	E5.30	SWI NDE-VT-2.1	VT 2005V205 NAD	PC	2-ISI-302	06/07/2005
600482	G71	MOISTURE BARRIER	E-D	E5.30	SWI NDE-VT-2.1	VT 2005V194 IND	PC	2-ISI-303	06/01/2005
					SWI NDE-VT-2.1	VT 2005V206 NAD	PC	2-ISI-303	06/08/2005
600500	B1	BOLTED CONNECTION	E-G	E8.10	SWI NDE-VT-1.1	VT 2005V200 NAD	PC	2-ISI-303	06/02/2005

**Section 5 PRESSURE TESTS**

The following scheduled pressure tests were conducted during Unit 2 cycle 22. All indications were evaluated and corrective measures performed as required by Code Case N-566-1, IWB-3142 and IWA-5250.

SYSTEM	CATEGORY/ ITEM	PROCEDURE	ASME XI CODE CLASS	WORK ORDER	COMPLETION DATE
Reactor Coolant	B-P/ B15.10, B15.20, B15.30, B15.40, B15.50, B15.60, B15.70	SP 2070	1	0400567	6/9/2005
Reactor Coolant	B-P/ B15.10, B15.20, B15.30, B15.40, B15.50, B15.60, B15.70	SP 2392	1	0400697	6/9/2005

Four (4) class 1 component were accepted by analytical evaluation as allowed by Code Case N-566-1. These evaluations are submitted below as required by subparagraph IWB-3144(b).

**Condition Evaluation CE007745 for CV-31462**

**Issue**

CV-31462 the 22 ACCUM TEST LN BEFORE CHECK ISOL CV was identified as having evidence of boric acid leakage. The valve was inspected by a VT-2 qualified inspector on 5/3/2005 during performance of SP-2405, "Mid-Cycle and Refueling Outage Boric Acid Corrosion Examinations Inside Containment". The inspection was documented on PINGP Form 1507 (Control #2005-073). The inspection noted that leakage from the packing gland had allowed approximately one (1) teaspoon of dry, white boric acid to contact the valve bonnet and body to bonnet studs & nuts. There were no carbon or low alloy steel components in contact with the boric acid and there was no evidence of corrosion. This was considered an ASME XI "Relevant" leak since the boric acid was in contact with the pressure boundary of the valve.

This CE will describe the corrective actions (repairs) to stop the leak and the subsequent leak inspection, which proved that the leak has been repaired.

**Extent**

This CE only applies to CV-31462, which was found with boric acid affecting pressure boundary materials. Per H2, "Boric Acid Corrosion Control Program" the leak will be treated as a "relevant" ASME Section XI leak since boric acid is in contact with the pressure boundary.

**Corrective Measures**

Work Order 0312041 adjusted the packing, cleaned the boric acid from the valve and performed a VT-1 inspection of one stud.

**Disposition and Evaluation**

SAWI 14.6.0, "ASME Section XI Inservice Inspection and Pressure Testing" provides direction in section 6.11.8 for Corrective Action for leakage detected during the conduct of ASME system pressure testing.

6.11.8(a)(2) states that, for leakage occurring at pressure boundary bolted connections on borated systems, the bolt closest to the leakage SHALL be removed, VT-1 examined, and

evaluated in accordance with IWA-3100. If there is evidence of degradation all remaining bolting in the connection SHALL be removed, VT-3 examined and evaluated. To meet this requirement, one bolt was removed and VT-1 inspected during repairs to the valve, no degradation was found.

6.11.8(b) states that when boric acid residues affect the pressure boundary of components, the leakage source and the areas of general corrosion SHALL be located. Components with local areas of general corrosion that reduce the wall thickness by more than 10% SHALL be evaluated to determine whether the component may be acceptable for continued service, or whether repair/replacement activities will be performed. The inspection report for CV-31462 noted that no corrosion was present; therefore no further evaluation is necessary. Since the valve body is made of stainless steel, which is resistant to boric acid corrosion, no corrosion would be expected.

#### Re-Inspection

After packing adjustment, the valve was inspected for leaks at pressure during SP-2070; no leakage was seen.

#### Conclusion

The leakage condition has been corrected and the components affected by the boric acid leakage have been inspected and found acceptable for continued use. Therefore, CV-31462 is acceptable for service and this CE can be closed.

#### AMENDMENT TO CE 007745– REQUIRED SINCE THE BOLT WAS NOT REMOVED AND VT-1 INSPECTED AS DESCRIBED IN THE CE – IT WAS VT-1 INSPECTED IN PLACE

Review of the work performed on CV-31462 and this evaluation by the ANI found that the bolt closest to the leakage was not removed but was VT-1 inspected in place. This does not meet the 5AWI 14.6.0 requirement to remove the bolt closest to the leakage, and perform a VT-1 inspection on it. Therefore this addendum to CE 007745 will address the alternate evaluation allowed by 5AWI 14.6.0, 6.11.8(a)(3) which states that the leakage SHALL be stopped and the bolting and component material SHALL be evaluated to determine the susceptibility to corrosion and failure; the evaluation should also consider corrosion rates and mechanisms taking into account material susceptibility, surface temperature, leakage rates, boric acid concentration and potential for further concentration by evaporation or boiling. The following six items are to be addressed:

- 1) The number and service age of the bolts;
- 2) Bolt and component material;
- 3) Corrosiveness of product fluids;
- 4) Leakage location and system function;
- 5) Leakage history at the connection or other system components;
- 6) Visual examination of corrosion at the assembled connection.

Further review for this update found that the inspector and the evaluation incorrectly stated that no carbon or low alloy steel components were in contact with the boric acid. However, the studs and nuts were replaced in 2003 (WO 0201804) with the same carbon steel material that previously existed (A193-B7 studs, A194-Grade 2 nuts), these materials are susceptible to boric acid corrosion.

The evaluation follows:

- 1) The number and service age of the bolts;

The body to bonnet connection contains four 1" diameter A193-Grade B7 studs with four A194-Grade 2H nuts. All four studs and nuts were replaced with new identical components constructed of identical materials in September of 2003, therefore the studs and nuts have been in service for less than 2 years.

- 2) Bolt and component material;

As stated above, the four studs are ASTM A193-Grade B7, and the four nuts are ASTM A194-Grade 2H, these materials are a low alloy carbon steel which are susceptible to boric acid corrosion. The body and bonnet of the valve are ASTM A351, Grade CF8M which is stainless steel and is resistant to boric acid corrosion.

3) Corrosiveness of product fluids;

The process fluid going through this valve is borated water. Borated water can be highly corrosive to low alloy steels when certain temperatures and leak conditions exist. The valve body and bonnet material is stainless steel which is relatively immune to corrosion from borated water when exposed to typical PWR plant conditions and boric acid concentrations. The carbon steel fasteners are susceptible to corrosion from the borated solution and the corrosion rate is dependent on the temperature of the fluid. Valve CV-31462 is located in the 22 Accumulator test line and is thus subject to the fluid contained in the 22 Accumulator. The temperature of the Accumulator fluid is equivalent to the containment temperature which has averaged less than 100°F over the last two years. Procedure H2 "Boric Acid Corrosion Control Program" states that for wetted boric acid on carbon steel at <100°F the corrosion rate would be less than .007"/year. Therefore the maximum diameter loss on the 1" studs over two years (assuming the boric acid was wet on the studs/nuts for the entire two years) would be  $2 \text{ yrs} * .007 \text{ in/yr} * 2 = .028"$  or 2.8% diameter loss. However, the VT-1 inspection of the visible portion of the studs/nuts during the valve repack under WO 0312041 did not identify that any corrosion was evident. Also no corrosion was evident during the VT-2 leak inspection as documented on PINGP 1507 (Control #2005-073). The PINGP 1507 inspection indicated that only 1 teaspoon of dry, white boric acid was found that affected the yoke, gland follower, body to bonnet studs/nuts and bonnet. The white condition of the boric acid indicates that no corrosion was occurring. The 1507 inspection did not include a photo of the condition, however, the valve is installed in the vertical position and any leakage from the packing would run down the valve and affect the studs and nuts on the topside of the bonnet. Therefore the visible portion of the stud and nut is most likely the only part of the stud affected by the boric acid (since the report did not indicate that the body of the valve was affected). It is concluded from this visual evidence that no corrosion has occurred from this boric acid leak.

4) Leakage location and system function;

The Safety Injection system provides adequate core cooling for all sizes of breaks, including the double ended rupture of a reactor coolant loop. The SI Accumulators provide a passive injection source for borated water to the cold legs of the RC system. The safety related function of CV-31462 is to isolate the accumulator test line when the SI system functions to mitigate accidents. The leakage location was the packing of CV-31462. Approximately 1 teaspoon of dry, white boric acid was deposited in the packing area and also affected the bonnet and contacted the bonnet studs and nuts.

5) Leakage history at the connection or other system components;

Recent leakage history of CV-31462 was reviewed (approximately the last 10 years). The body to bonnet gasket was reported leaking in refueling outage 2R21 (2002) and the gasket was replaced and new body/bonnet studs and nuts installed in 2R22 (September of 2003). The packing was found with minor leakage in 2R22 (September of 2003), was seen again in 2R23 (this report) and was tightened in 2R23 (May of 2005). The valve was inspected at pressure during startup after 2R23 (June 2005) and no leakage was noted.

6) Visual examination of corrosion at the assembled connection.

VT-1 inspection of the visible portion of the studs/nuts during the valve repack under WO 0312041 did not identify that any corrosion was evident. Also no corrosion was evident during the VT-2 leak inspection as documented on PINGP 1507 (Control #2005-073). The PINGP 1507 inspection indicated that only 1 teaspoon of dry, white boric acid was found that affected the yoke, gland follower, body to bonnet studs/nuts and bonnet. The white condition of the boric acid indicates that no corrosion was occurring.

**Conclusion:**

Even though the stud was not removed for the VT-1 inspection during the packing adjustment done under Work Order 0312041 there is sufficient evidence to conclude that no corrosion has affected the studs and nuts. Other materials of the valve affected by the boric acid deposits were of stainless steel construction and show no signs of corrosion. Therefore the valve was acceptable for continued service when Unit 2 was placed back into service after 2R23 even though the stud was not removed for it's VT-1 inspection

**Condition Evaluation CE007750 for CV-31349:**

**Issue**

CV-31349 the 21 LETDOWN ORIFICE ISOL C 80 GPM CV was identified as having evidence of boric acid leakage during the performance of SP-2392, the "RCS Bolting Inspection" and SP-2405 which performs Boric Acid Corrosion Control Program inspections inside containment during refuel outages. SP-2392 is required to be performed by plant Technical Specification T.S.5.5.7 and the ASME Section XI Inservice Inspection Program.

The leakage was coming from the body-to-bonnet connection and was in contact with some of the body-to-bonnet fasteners. This was considered an ASME XI "Relevant" leak since the boric acid was in contact with pressure boundary bolting.

This CE will describe the corrective actions (repairs) to stop the leak and the subsequent leak inspection, which proved that the leak has been repaired. Also, an evaluation of the effects of the boric acid on the bolting will be performed.

**Extent**

This evaluation applies CV-31349 to assess the condition of the body to bonnet bolting due to the boric acid found contacting the bolts at the beginning of 2R23, the repairs made and the effectiveness of the repairs.

**Disposition**

5AWI 14.6.0, "ASME Section XI Inservice Inspection and Pressure Testing" provides direction in section 6.11.8 for Corrective Action for leakage detected during the conduct of ASME system pressure testing.

6.11.8(a)(2) states that, for leakage occurring at pressure boundary bolted connections on borated systems, the bolt closest to the leakage SHALL be removed, VT-1 examined, and evaluated in accordance with IWA-3100. If there is evidence of degradation all remaining bolting in the connection SHALL be removed, VT-3 examined and evaluated.

6.11.8(a)(3) provides an alternative for leakage at bolted joints and states that the leakage SHALL be stopped and the bolting and component material SHALL be evaluated to determine the susceptibility to corrosion and failure; the evaluation is to include the following:

- 1) The number and service age of the bolts;
- 2) Bolt and component material;
- 3) Corrosiveness of product fluids;
- 4) Leakage location and system function;
- 5) Leakage history at the connection or other system components;
- 6) Visual examination of corrosion at the assembled connection.

**Corrective Measures**

Work Order #0406175 disassembled and rebuilt CV-31349 during 2R23 to repair previously identified internal seat leakage. The rebuild also addressed the body to bonnet gasket leakage condition since the gasket was replaced as a part of the work. As part of the work the gasket

seating surfaces and the body to bonnet fasteners were cleaned and examined. The work package did not instruct the worker to have a VT-1 visual inspection of bolting performed, which would have met 6.11.8(a)(2) requirements stated above, therefore the alternative evaluation provided by 6.11.8(a)(3) will be documented in this CE.

#### Re-Inspection

After repair, the valve was inspected for leaks at pressure during SP-2070 as part of post maintenance testing for Work Order 0406175, no leakage was seen.

#### Evaluation

Since VT-1 examination of bolts during the rebuild was not performed, the evaluation allowed by 5AWI 14.6, Section 6.11.8(a)(3) will be performed to determine the susceptibility of the bolting to corrosion and failure. Section 6.11.8(a)(3) states that the corrosion evaluation should address the six items described below. The evaluation should also consider corrosion rates and mechanisms taking into account material susceptibility, surface temperature, leakage rates, boric acid concentration and potential for further concentration by evaporation or boiling.

#### 1) number and service age of the bolts

CV-31349 is an air operated, 2", 1500 lb Copes Vulcan stainless steel globe valve. The body-to-bonnet connection is secured with 6 fastener assemblies, all of which are 1-1/8" diameter. The body/bonnet fasteners are stainless steel, which replaced the original low alloy steel stud and nuts in 2002 under Work Order # 0201520. Therefore the fasteners have only been in service for about 3 years.

#### 2) bolt and component materials

The body and bonnet of the valve as well as the studs and nuts are constructed of stainless steel.

#### 3) corrosiveness of process fluid

The process fluid going through this valve is borated water. Borated water can be highly corrosive to low alloy steels when certain temperatures and leak conditions exist. Stainless steel of which these studs and nuts are constructed is relatively immune to corrosion from borated water when exposed to typical PWR plant conditions and boric acid concentrations. In fact, Procedure H2 "Boric Acid Corrosion Control Program" states that at 300°F and 30% acid concentration (both much higher than actual conditions) the corrosion rate of 2 mils per year could be expected. Therefore, even if the leak were to continue until inspected in the next refueling outage, corrosion would be minimal.

#### 4) leakage location and system function

CV-31349 is part of the CVCS system. The valve is located inside the containment building downstream of the regenerative heat exchanger. The temperature and pressure at this location is approximately 260 degrees F and 2235 psig. The safety function of CV-31348 that is challenged by the missed fastener visual examination is its ability to maintain the system pressure boundary.

The purpose of the CVCS system as stated in the USAR is:

The Chemical and Volume Control System a) adjusts the concentration of chemical neutron absorber for chemical reactivity control, b) maintains the proper water inventory in the Reactor Coolant System, c) provides the required seal water flow for the reactor coolant pump shaft seals, d) processes reactor coolant letdown through filtration and ion exchange, e) maintains the proper concentration of corrosion inhibiting chemicals in the reactor coolant and f) keeps the reactor coolant activity to within design levels. The system is also used to fill and hydrostatically test the Reactor Coolant System.

#### 5) leakage history at this location

Maintenance history was reviewed for previous leaks affecting this valve over the previous ten-year period. A packing leak was repaired in 1997 (WO #9701383 and 972415), the body to bonnet studs were replaced in 1997 (WO #9701468) and the studs were replaced after a body to

bonnet leak in 2002 (WO #0201495 & 0201520). As mentioned above the carbon steel body/bonnet studs and nuts were replaced with stainless steel studs and nuts in 2002 under WO 0201520.

6) visual evidence of corrosion

The leakage on CV-31349 was discovered during SP-2392, which is the ASME XI RCS bolting inspection. This inspection was a VT-2 examination of the valve, which is recorded on form PINGP-1507 (control number 2005-149) as part of the Boric Acid Corrosion Control Program. The VT-2 inspection indicated that no corrosion was evident. During valve disassembly and reassembly these studs and nuts were also examined by maintenance personnel and were found to be suitable for reuse.

Conclusion

The bolting is acceptable for continued use. This conclusion is based on the VT-2 visual inspections performed when the leak was found, the inspections performed by maintenance during repair of the valves, the newness of the fasteners and the minimal corrosion rate expected for these stainless steel bolts. In addition, a leakage examination was performed under system pressure as part of post maintenance testing for Work Order #0406175. No leakage was present during the examination.

**Condition Evaluation CE007751 for CV-31348**

Issue

CV-31348 the 21 LETDOWN ORIFICE ISOL B 40 GPM CV was identified as having evidence of boric acid leakage during the performance of SP-2392, the "RCS Bolting Inspection" and SP-2405 which performs Boric Acid Corrosion Control Program inspections inside containment during refuel outages. SP-2392 is required to be performed by plant Technical Specification T.S.5.5.7 and the ASME Section XI Inservice Inspection Program.

The leakage was coming from the body-to-bonnet connection and was in contact with some of the body-to-bonnet fasteners. This was considered an ASME XI "Relevant" leak since the boric acid was in contact with pressure boundary bolting.

This CE will describe the corrective actions (repairs) to stop the leak and the subsequent leak inspection, which proved that the leak has been repaired. Also, an evaluation of the effects of the boric acid on the bolting will be performed.

Extent

This evaluation applies CV-31348 to assess the condition of the body to bonnet bolting due to the boric acid found contacting the bolts at the beginning of 2R23, the repairs made and the effectiveness of the repairs.

Disposition

5AWI 14.6.0, "ASME Section XI Inservice Inspection and Pressure Testing" provides direction in section 6.11.8 for Corrective Action for leakage detected during the conduct of ASME system pressure testing.

6.11.8(a)(2) states that, for leakage occurring at pressure boundary bolted connections on borated systems, the bolt closest to the leakage SHALL be removed, VT-1 examined, and evaluated in accordance with IWA-3100. If there is evidence of degradation all remaining bolting in the connection SHALL be removed, VT-3 examined and evaluated.

6.11.8(a)(3) provides an alternative for leakage at bolted joints and states that the leakage SHALL be stopped and the bolting and component material SHALL be evaluated to determine the susceptibility to corrosion and failure; the evaluation is to include the following:

- 1) The number and service age of the bolts;
- 2) Bolt and component material;
- 3) Corrosiveness of product fluids;
- 4) Leakage location and system function;
- 5) Leakage history at the connection or other system components;
- 6) Visual examination of corrosion at the assembled connection.

#### Corrective Measures

Work Order #0406174 disassembled and rebuilt CV-31348 during 2R23 to repair previously identified internal seat leakage. The rebuild also addressed the body to bonnet gasket leakage condition since the gasket was replaced as a part of the work. As part of the work the gasket seating surfaces and the body to bonnet fasteners were cleaned and examined. The work package did not instruct the worker to have a VT-1 visual inspection of bolting performed, which would have met 6.11.8(a)(2) requirements stated above, therefore the alternative evaluation provided by 6.11.8(a)(3) will be documented in this CE.

#### Re-Inspection

After repair, the valve was inspected for leaks at pressure during SP-2070 as part of post maintenance testing for Work Order 0406174, no leakage was seen.

#### Evaluation

Since VT-1 examination of bolts during the rebuild was not performed, the evaluation allowed by 5AWI 14.6, Section 6.11.8(a)(3) will be performed to determine the susceptibility of the bolting to corrosion and failure. Section 6.11.8(a)(3) states that the corrosion evaluation should address the six items described below. The evaluation should also consider corrosion rates and mechanisms taking into account material susceptibility, surface temperature, leakage rates, boric acid concentration and potential for further concentration by evaporation or boiling.

#### 1) Number and service age of the bolts

CV-31348 is an air operated, 2", 1500 lb Copes Vulcan stainless steel globe valve. The body-to-bonnet connection is secured with 6 fastener assemblies, all of which are 1-1/8" diameter. The body/bonnet fasteners are stainless steel, which replaced the original low alloy steel stud and nuts in 2002 under Work Order # 0201520. Therefore the fasteners have only been in service for about 3 years.

#### 2) Bolt and component materials

The body and bonnet of the valve as well as the studs and nuts are constructed of stainless steel.

#### 3) Corrosiveness of process fluid

The process fluid going through this valve is borated water. Borated water can be highly corrosive to low alloy steels when certain temperatures and leak conditions exist. Stainless steel of which these studs and nuts are constructed is relatively immune to corrosion from borated water when exposed to typical PWR plant conditions and boric acid concentrations. In fact, Procedure H2 "Boric Acid Corrosion Control Program" states that at 300°F and 30% acid concentration (both much higher than actual conditions) the corrosion rate of 2 mils per year could be expected. Therefore, even if the leak were to continue until inspected in the next refueling outage, corrosion would be minimal.

#### 4) Leakage location and system function

CV-31348 is part of the CVCS system. The valve is located inside the containment building downstream of the regenerative heat exchanger. The temperature and pressure at this location is approximately 260 degrees F and 2235 psig. The safety function of CV-31348 that is challenged by the missed fastener visual examination is its ability to maintain the system pressure boundary.

The purpose of the CVCS system as stated in the USAR is:

The Chemical and Volume Control System a) adjusts the concentration of chemical neutron absorber for chemical reactivity control, b) maintains the proper water inventory in the Reactor Coolant System, c) provides the required seal water flow for the reactor coolant pump shaft seals, d) processes reactor coolant letdown through filtration and ion exchange, e) maintains the proper concentration of corrosion inhibiting chemicals in the reactor coolant and f) keeps the reactor coolant activity to within design levels. The system is also used to fill and hydrostatically test the Reactor Coolant System.

5) Leakage history at this location

Maintenance history was reviewed for this valve over the previous ten-year period. Previous leaks requiring repair were packing leakage in 1998 (WO 9800541) and 2003 (WO 0303850) and body/bonnet gasket leakage in 1998 (WO 9812609) and 2000 (WO 0003731). As mentioned above the carbon steel body/bonnet studs and nuts were replaced with stainless steel studs and nuts in 2002 under WO 0201520.

6) Visual evidence of corrosion

The leakage on CV-31348 was discovered during SP-2392, which is the ASME XI RCS bolting inspection. This inspection was a VT-2 examination of the valve, which is recorded on form PINGP-1507 (control number 2005-150) as part of the Boric Acid Corrosion Control Program. The VT-2 inspection indicated that no corrosion was evident. During valve disassembly and reassembly these studs and nuts were also examined by maintenance personnel and were found to be suitable for reuse.

Conclusion

The bolting is acceptable for continued use. This conclusion is based on the VT-2 visual inspections performed when the leak was found, the inspections performed by maintenance during repair of the valves, the newness of the fasteners and the minimal corrosion rate expected for these stainless steel bolts. In addition, a leakage examination was performed under system pressure as part of post maintenance testing for Work Order #0406174. No leakage was present during the examination.

**Condition Evaluation CE007763 for MV-32232**

Issue

MV-32232, the 2 RCS LP B HOT LEG RHR SPLY (INSIDE) MV was identified as having evidence of boric acid leakage during the performance of SP-2392, the "RCS Bolting Inspection" and SP-2405 which performs Boric Acid Corrosion Control Program inspections inside containment during refuel outages. SP-2392 is required to be performed by plant Technical Specification T.S.5.5.7 and the ASME Section XI Inservice Inspection Program. The valve was inspected by a VT-2 qualified inspector on 5/2/2005 and was documented on PINGP Form 1507 (Control #2005-157). The inspection report noted that the valve had a body to bonnet gasket leak. Boric acid was in contact with the valve body, bonnet and two of the studs. About 1 tablespoon of dry, white boric acid was present on the valve when inspected. The body and bonnet of the valve are made of stainless steel and therefore are not adversely affected by boric acid. The body/bonnet studs and nuts are carbon steel and are therefore susceptible to boric acid corrosion. However, no corrosion of the body, bonnet or bolting was evident at the time of inspection.

Since this is an ASME Section XI component, the leak will be treated as an ASME XI "Relevant" leak and a corrosion evaluation will be required if the valve is to be left in service after 2R23.

This CE will describe the corrective actions (repairs) to stop the leak and the subsequent leak inspection.

#### Extent

This evaluation applies to MV-32232 to assess the condition of the body to bonnet bolting due to the boric acid found contacting the bolts at the beginning of 2R23, the repairs made and the effectiveness of the repairs.

#### Disposition

5AWI 14.6.0, "ASME Section XI Inservice Inspection and Pressure Testing" provides direction in section 6.11.8 for Corrective Action for leakage detected during the conduct of ASME system pressure testing.

6.11.8(a)(2) states that, for leakage occurring at pressure boundary bolted connections on boroated systems, the bolt closest to the leakage SHALL be removed, VT-1 examined, and evaluated in accordance with IWA-3100. If there is evidence of degradation all remaining bolting in the connection SHALL be removed, VT-3 examined and evaluated.

6.11.8(a)(3) provides an alternative for leakage at bolted joints and states that the leakage SHALL be stopped the bolting and component material SHALL be evaluated to determine the susceptibility to corrosion and failure, the evaluation is to include the following:

- 1) The number and service age of the bolts;
- 2) Bolt and component material;
- 3) Corrosiveness of product fluids;
- 4) Leakage location and system function;
- 5) Leakage history at the connection or othersystem components;
- 6) Visual examination of corrosion at the assembled connection.

If the leakage is not stopped, 6.11.8(a)(3) states that the joint SHALL be evaluated in accordance with IWB-3142.4 for joint integrity also taking into consideration the six (6) items described above.

6.11.8(b) states that when boric acid residues affect the pressure boundary of components, the leakage source and the areas of general corrosion SHALL be located. Components with local areas of general corrosion that reduce the wall thickness by more than 10% SHALL be evaluated to determine whether the component may be acceptable for continued service, or whether repair/replacement activities will be performed.

#### Corrective Measures

Work Order #0504588 replaced the carbon steel bolting with stainless steel components. The valve gasket was not replaced.

#### Re-Inspection

After replacement of the bolting with new stainless steel bolting, the valve was inspected for leaks at pressure during SP-2070, "Reactor Coolant System Integrity Test", minor leakage was seen which affected one of the new stainless steel studs. The boric acid was cleaned from the valve and re-inspected a short time later. No boric acid was present during the re-inspection.

#### Evaluation

The leak inspection after repair indicated that the leakage condition may not have been corrected, the final inspection showed no further leakage; however, since the leakage may not have been corrected, the evaluation allowed by 5AWI 14.6, Section 6.11.8(a)(3) will be performed to determine the susceptibility of the bolting to corrosion and failure. Section 6.11.8(a)(3) states that the corrosion evaluation should address the six items described below. The evaluation should also consider corrosion rates and mechanisms taking into account material susceptibility, surface temperature, leakage rates, boric acid concentration and potential for further concentration by evaporation or boiling.

- 1) Number and service age of the bolts

MV-32232 is a motor operated, 8", 1500 lb Velan stainless steel gate valve. The body-to-bonnet connection is secured with 16 fastener assemblies, all of which are 1-3/8" diameter. The body/bonnet fasteners are stainless steel, which replaced the original low alloy steel stud and nuts during 2R23 under Work Order # 0504588. Therefore the fasteners are new and have not yet been in service.

**2) Bolt and component materials**

The body and bonnet of the valve as well as the studs and nuts are constructed of stainless steel.

**3) Corrosiveness of process fluid**

The process fluid going through this valve is borated water. Borated water can be highly corrosive to low alloy steels when certain temperatures and leak conditions exist. Stainless steel of which these studs and nuts are constructed is relatively immune to corrosion from borated water when exposed to typical PWR plant conditions and boric acid concentrations. In fact, Procedure H2 "Boric Acid Corrosion Control Program" states that at 300°F and 30% acid concentration the corrosion rate of 2 mils per year could be expected. Operation for Shut Down Cooling (SDC) would be the highest temperature operation for this valve. During SDC the temperature would begin at 350 degrees F and would reduce from initiation of SDC to below 300 degrees in a few hours. Therefore, even if the leak were to continue until inspected in the next refueling outage, corrosion would be minimal, even if the valve must be opened for SDC many times.

**4) Leakage location and system function**

MV-32232 is part of the RHR system. The valve is located inside the containment building at elevation 695' just upstream of the RCS "B" Hot Leg. The line provides a supply to the RHR system from "B" RCS Loop for Shutdown Cooling Operations. The temperature and pressure at this location can be as high as 350 degrees F and 425 psig when SDC is in service. During normal operation the valve is in the closed position and although connected to the RCS hot leg the temperature should be less than that expected for SDC operation since there is approximately 30 feet of piping between MV-32232 and the "B" hot leg. The pressure at the valve would be 2235 during normal operation wne the valve is closed. The safety function of MV-32232 that is challenged by a boric acid leak affecting the fasteners is its ability to maintain the system pressure boundary.

The purpose of the RHR system as stated in the USAR is:

The Residual Heat Removal system is designed to remove residual and sensible heat from the core and reduce the temperature of the RCS system during the second phase of plant cool down. During the first phase of cool down, the temperature of the RCS is reduced by transferring heat from the RCS to the Steam and Power Conversion system.

**5) Leakage history at this location**

Maintenance history was reviewed for this valve over the previous ten-year period. One corrective repair of the valve (excluding the actuator repairs) was found. The body to bonnet gasket was replaced in February of 2002 due to leakage. The valve was also inspected by SP-2405 during the Fall 2003 Unit 2 outage, no leakage was reported.

**6) Visual evidence of corrosion**

The leakage on MV-32232 was discovered during SP-2392, which is the ASME XI RCS bolting inspection. This inspection was a VT-2 examination of the valve, which was recorded on form PINGP-1507 (control number 2005-157) as part of the Boric Acid Corrosion Control Program. The VT-2 inspection indicated that no corrosion was evident on the body, bonnet or fasteners. In addition, the carbon steel fasteners have been replaced with new stainless steel fasteners during the current outage (2R23).

**Conclusion**

The bolting is acceptable for continued use even if the minor leakage detected at the start of 2R23, and during the initial inspection for SP-2070, begins to affect the studs. EWR 039292 has been generated to ensure that the valve is inspected during quarterly containment entries to assess any increased leakage or changing conditions. Based on the evaluation in the CE and on monitoring provided by the EWR; MV-32232 may be returned to service.

**Section 6. Snubber Inservice Testing and Preservice Examinations**

Inspection results showed no visual snubber failures. All snubbers that underwent functional testing had satisfactory results therefore no scope expansion was required.

Snubber #	PI# Removed	Functional Test WO as found	Functional Test Results	PI# Replaced	Pre- installation Test WO	VT-3 Exam WO
2-AFSH-19	PI-165	0404657	SAT	PI-260	0404656	0406523
2-AFSH-2	PI-103	0404657	SAT	PI-263	0404656	0406524
2-AFSH-33	PI-465	0404657	SAT	PI-303	0404656	0406525
2-AFSH-44	PI-201	0404657	SAT	PI-66	0404656	0406526
2-AFWH-80	PI-224	0404657	SAT	PI-371	0404656	0406527
2-CCH-185A	PI-304	0404657	SAT	PI-351	0404656	0406529
2-CCH-185B	PI-210	0404657	SAT	PI-352	0404656	0406530
2-CVCH-166	PI-208	0404657	SAT	PI-113	0404656	0406538
2-MSDH-20	PI-102	0404657	SAT	PI-183	0404656	0406539
2-MSH-104A	PI-607	0404657	SAT	PI-529	0404656	0406544
2-MSH-107A	PI-338	0404657	SAT	PI-585	0404656	0406537
2-MSH-76B	PI-544	0404657	SAT	PI-545	0404656	0406531
2-MSH-79	PI-548	0404657	SAT	PI-523	0404656	0211691
2-MSH-80	PI-547	0404657	SAT	PI-361	0404656	0406548
2-RCVCH-1389	PI-329	0404657	SAT	PI-402	0404656	0406541
2-RCVCH-1396	PI-454	0404657	SAT	PI-121	0404656	0406452
2-RCVCH-1513	PI-117	0404657	SAT	PI-332	0404656	0406543
2-RHRH-13	PI-236	0404657	SAT	PI-60	0404656	0406533
2-RHRH-14	PI-445	0404657	SAT	PI-350	0404656	0406534
2-RHRH-52	PI-424	0404657	SAT	PI-206	0404656	0406535
2-MSH-23B	PI-518	0406521	SAT	PI-518	0406521	0406521
2-MSH-75A	PI-556	0404657	SAT	PI-552	0404656	0406549
2RCVCH-1373	PI-333	0404657	SAT	PI-601	0404656	0406540
2-RCRH-42	PI-7698	0406522	SAT	PI-7698	0406522	0406540
22S/G04	SG08	0406545	SAT	SG20	0406545	0406545
2-CH-71	PI-430	0503897	SAT	PI-257	0503897	0503897

**Section 7. Steam Generator Eddy Current Examination Results**

Technical Specification 5.6.7.2 requires the results of steam generator tube in-service inspections shall be included with the summary reports of ASME Code Section XI inspections submitted within 90 days of the end of each refueling outage. The report shall include:

1. Number and extent of tubes inspected,
2. Location and extent of wall-thickness penetration for each indication of an imperfection, and
3. Identification of tubes plugged or sleeved.

Table I provides the number (as a percentage) and extent of tubes inspected.

Table II provides the location and extent of wall-thickness penetration for each indication of an imperfection. Tubes with degradation below the F\* or EF\* distance left in service using an F\* or EF\* repair criteria are not included in this report. F\* and EF\* tubes are reported in "2005 Unit 2 Steam Generator Inspection Results – 15-Day Report".

Table III provides the identification of tubes plugged or sleeved.

**TABLE I**  
 Number and Extent of Tubes Inspected

SCOPE	PROBE TYPE	S/G 21	S/G 22
Full Length⊙	Bobbin	100%	100%
Rows 1 through 4 U-Bends	MRPC	100%	100%
Rows 5 through 8 U-Bends	MRPC	33%	33%
Hot Leg Tubesheets	MRPC	100%	100%
Hot Leg Roll Plugs	MRPC	25%	25%
Post In Situ Pressure Test	MRPC	N/A	N/A
Supplemental⊙	MRPC	100%	100%
Plug Visual	N/A	100%	100%
Baseline new Re-Rolls	Bobbin/MRPC	100%	100%

⊙ Except the bend portion of rows 1 through 4 u-bends.

⊙ ADR, CUD, DEP, DNI, DNT ≥ 5.0, DRI, DSI, DTI, INR ≥ 1.5 volts at a tube support plate, MBM, MRI, NQI, PLP (Bound MRPC PLP's), PSI, Cold Leg Thinning ≥ 40% or < 40% and ≥ 1.5 volts.

TABLE II  
 Location and Extent of Wall-thickness Penetration for Each Indication of an Imperfection

No.	S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
1	21	C	16	4	27	01C	0.00		<TS
2	21	C	16	5	23	02C	0.03		<TS
3	21	C	18	5	1	01C	-0.17		<TS
4	21	C	14	6	28	01C	-0.08		<TS
5	21	C	19	6	18	NV1	-0.17		<TS
6	21	C	20	6	2	01C	-0.06		<TS
7	21	C	21	7	1	01C	0.00		<TS
8	21	C	23	7	16	01C	-0.20		<TS
9	21	C	21	9	23	NV1	1.19		<TS
10	21	C	25	10	1	01C	-0.25		<TS
11	21	C	27	10	25	07H	26.19		<TS
12	21	C	25	11	16	02C	0.22		<TS
13	21	C	29	13	3	01C	-0.25		<TS
14	21	C	31	17	19	01C	-0.31		<TS
15	21	C	33	17	13	02C	-0.03		<TS
16	21	C	34	17	8	02C	-0.08		<TS
17	21	C	31	18	23	01C	-0.34		<TS
18	21	C	34	18	22	01C	-0.28		<TS
19	21	C	36	18	6	02C	-0.22		<TS
20	21	C	36	21	15	02C	0.14		<TS
21	21	C	41	26	36	01C	0.25		<TS
22	21	C	41	26	31	01C	-0.19		<TS
23	21	C	23	27	23	NV4	4.22		<TS
24	21	C	39	27	3	NV3	-0.03		<TS
25	21	C	41	27	2	01C	0.20		<TS
26	21	C	41	27	25	01C	-0.19		<TS
27	21	C	18	28	27	NV2	0.75		<TS
28	21	C	18	28	22	NV2	12.61		<TS
29	21	C	34	28	26	NV3	0.00		<TS
30	21	C	41	29	1	01C	-0.25		<TS
31	21	C	25	30	22	NV2	0.78		<TS
32	21	C	25	30	34	NV2	19.45		<TS
33	21	C	25	30	20	NV4	2.37		<TS
34	21	C	39	30	28	NV4	2.57		<TS
35	21	C	34	31	26	NV1	0.03		PLG
36	21	C	34	31	36	NV2	-0.03		PLG
37	21	C	34	31	25	NV4	0.05		PLG
38	21	C	25	32	24	NV2	0.32		<TS
39	21	C	25	32	25	NV2	19.29		<TS
40	21	C	41	32	15	NV1	-0.09		<TS
41	21	C	41	32	11	NV2	-0.17		<TS
42	21	C	41	32	18	NV3	0.34		<TS

No.	S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
43	21	C	11	33	3	NV1	-0.15		<TS
44	21	C	17	33	20	NV2	12.26		<TS
45	21	C	24	33	23	NV3	1.87		<TS
46	21	C	25	33	33	NV2	1.59		<TS
47	21	C	25	33	29	NV2	20.24		<TS
48	21	C	25	33	20	NV4	0.89		<TS
49	21	C	39	34	21	NV2	35.57		<TS
50	21	C	39	34	30	NV4	2.65		<TS
51	21	C	44	34	27	05C	-0.11		<TS
52	21	C	44	34	1	01C	-0.20		<TS
53	21	C	23	37	27	NV2	17.45		<TS
54	21	C	17	38	15	NV2	0.33		<TS
55	21	C	11	40	20	07H	19.39		<TS
56	21	C	45	41	13	02C	-0.03		PLG
57	21	C	45	42	26	02C	-0.03		<TS
58	21	C	45	42	2	01C	-0.22		<TS
59	21	C	11	43	11	NV1	-0.06		<TS
60	21	C	36	43	24	07H	34.00		<TS
61	21	C	36	43	23	NV2	2.54		<TS
62	21	C	36	43	24	NV2	32.87		<TS
63	21	C	46	43	11	01C	-0.25		<TS
64	21	C	43	44	28	01C	-0.28		<TS
65	21	C	44	44	16	01C	-0.17		<TS
66	21	C	28	45	31	07H	29.59		<TS
67	21	C	28	45	33	NV2	0.13		<TS
68	21	C	28	45	28	NV2	22.50		<TS
69	21	C	28	45	22	NV2	24.93		<TS
70	21	C	28	45	25	NV4	2.57		<TS
71	21	C	36	45	23	NV2	1.10		<TS
72	21	C	44	45	16	01C	-0.08		<TS
73	21	C	45	45	8	01C	0.00		<TS
74	21	C	46	45	3	01C	-0.08		<TS
75	21	C	44	46	25	01C	-0.14		<TS
76	21	C	46	46	1	01C	0.19		<TS
77	21	C	36	47	36	07H	33.87		<TS
78	21	C	36	47	30	NV2	2.25		<TS
79	21	C	36	47	25	NV2	32.10		<TS
80	21	C	39	47	32	NV2	35.29		<TS
81	21	C	39	47	34	NV4	3.02		<TS
82	21	C	35	48	36	07H	32.87		<TS
83	21	C	35	48	24	NV2	2.01		<TS
84	21	C	45	48	5	01C	0.28		<TS
85	21	C	29	50	36	NV2	1.20		<TS
86	21	C	29	50	37	NV2	24.07		<TS

No.	S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
87	21	C	45	50	23	01C	-0.03		<TS
88	21	C	11	51	8	NV4	0.03		<TS
89	21	C	29	52	22	NV2	0.91		<TS
90	21	C	41	53	21	01C	-0.19		<TS
91	21	C	43	54	18	01C	-0.03		<TS
92	21	C	46	54	1	01C	-0.06		<TS
93	21	C	22	55	22	NV2	18.43		<TS
94	21	C	34	56	19	NV3	0.00		<TS
95	21	C	40	57	20	01C	0.32		<TS
96	21	C	43	57	3	01C	0.14		<TS
97	21	C	41	58	21	01C	-0.16		<TS
98	21	C	45	58	17	01C	0.03		<TS
99	21	C	8	59	27	04H	1.46		<TS
100	21	C	9	59	34	04H	1.57		<TS
101	21	C	43	59	23	01C	0.03		<TS
102	21	C	36	60	25	NV2	2.47		<TS
103	21	C	42	60	22	01C	0.00		<TS
104	21	C	43	60	1	01C	0.08		<TS
105	21	C	21	61	22	NV2	1.17		<TS
106	21	C	21	61	18	NV4	0.00		<TS
107	21	C	23	61	27	NV2	1.50		<TS
108	21	C	23	61	20	NV2	18.75		<TS
109	21	C	23	61	25	NV4	0.45		<TS
110	21	C	39	61	3	01C	-0.19		<TS
111	21	C	44	61	1	02C	-0.28		<TS
112	21	C	42	62	11	01C	-0.17		<TS
113	21	C	36	63	38	NV2	2.92		<TS
114	21	C	39	63	11	01C	0.19		<TS
115	21	C	21	64	22	NV2	17.24		<TS
116	21	C	42	64	1	02C	-0.31		<TS
117	21	C	43	64	20	01C	-0.08		<TS
118	21	C	40	66	17	02C	-0.17		<TS
119	21	C	21	67	18	NV2	0.31		<TS
120	21	C	26	69	28	07H	28.79		<TS
121	21	C	26	69	23	NV2	2.56		<TS
122	21	C	26	69	20	NV2	22.82		<TS
123	21	C	39	69	18	01C	-0.28		<TS
124	21	C	40	70	17	02C	-0.06		<TS
125	21	C	18	71	26	NV3	0.03		<TS
126	21	C	39	71	20	01C	-0.25		<TS
127	21	C	40	71	1	01C	-0.25		<TS
128	21	C	26	72	26	NV2	1.03		<TS
129	21	C	26	72	31	NV2	21.44		<TS
130	21	C	36	72	7	01C	-0.11		<TS

No.	S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
131	21	C	39	72	15	01C	-0.14		<TS
132	21	C	38	73	22	01C	-0.11		<TS
133	21	C	37	75	7	01C	-0.06		<TS
134	21	C	34	76	13	02C	0.11		<TS
135	21	C	33	77	1	03C	-0.34		<TS
136	21	C	35	77	18	02C	-0.14		<TS
137	21	C	32	78	31	02C	-0.08		<TS
138	21	C	32	78	29	01C	-0.20		<TS
139	21	C	23	85	16	01C	0.00		<TS
140	21	C	23	86	26	01C	0.03		<TS
141	21	C	25	86	20	01C	0.00		<TS
142	21	C	18	87	1	01C	-0.20		<TS
143	21	C	23	88	1	01C	0.00		<TS
144	21	C	17	89	1	02C	-0.03		<TS
145	21	C	17	89	36	01C	0.00		<TS
146	21	C	12	90	11	01C	-0.17		<TS
147	21	C	15	90	1	01C	0.03		<TS
148	21	C	18	90	2	02C	-0.08		<TS
149	21	C	4	91	7	01C	-0.19		<TS
150	21	C	7	91	26	01C	-0.20		<TS
151	21	C	14	91	1	01C	0.00		<TS
152	21	C	16	91	2	01C	0.00		<TS
153	21	C	3	92	23	01C	0.11		<TS
154	21	C	6	92	1	01C	-0.11		<TS
155	21	C	8	92	1	02C	-0.20		<TS
156	21	C	8	92	28	01C	-0.08		<TS
157	21	C	9	92	10	01C	0.00		<TS
158	21	C	10	92	1	01C	-0.03		<TS
159	21	C	11	92	1	01C	0.03		<TS
160	21	C	14	92	30	NV1	2.58		<TS
161	21	C	14	92	8	01C	0.03		<TS
162	21	C	2	93	11	02C	0.03		<TS
163	21	C	2	93	15	01C	-0.16		<TS
164	21	C	5	93	6	01C	-0.03		<TS
165	21	C	6	93	11	02C	-0.14		<TS
166	21	C	6	93	29	01C	-0.17		<TS
167	21	C	5	94	25	01C	0.00		<TS
168	21	C	7	94	38	01C	0.00		<TS
1	22	C	6	1	17	02C	0.00		<TS
2	22	C	12	3	34	02C	0.11		<TS
3	22	C	16	4	1	01C	0.11		<TS
4	22	C	17	5	5	01C	0.11		<TS
5	22	C	16	6	11	01C	-0.09		<TS
6	22	C	17	6	18	01C	0.00		<TS

No.	S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
7	22	C	19	6	10	02C	0.11		<TS
8	22	C	20	6	30	01C	0.00		<TS
9	22	C	21	7	7	02C	0.00		<TS
10	22	C	21	7	3	01C	0.00		<TS
11	22	C	25	9	39	01C	0.00		<TS
12	22	C	20	10	20	01C	-0.03		<TS
13	22	C	24	10	11	01C	-0.11		<TS
14	22	C	26	10	24	02C	0.20		<TS
15	22	C	28	11	2	02C	0.14		<TS
16	22	C	29	13	23	01C	0.00		<TS
17	22	C	31	13	30	01C	-0.14		<TS
18	22	C	29	15	1	01C	-0.18		<TS
19	22	C	30	15	15	01C	-0.11		<TS
20	22	C	34	16	32	02C	-0.06		<TS
21	22	C	34	16	22	01C	0.11		<TS
22	22	C	34	17	29	02C	-0.11		<TS
23	22	C	34	17	18	01C	-0.11		<TS
24	22	C	30	19	1	01C	-0.11		<TS
25	22	C	31	19	15	01C	-0.22		<TS
26	22	C	37	19	20	01C	0.17		<TS
27	22	C	32	20	1	01C	-0.19		<TS
28	22	C	30	21	15	01C	0.14		<TS
29	22	C	36	22	30	02C	0.11		<TS
30	22	C	37	23	4	01C	0.03		<TS
31	22	C	37	24	30	01C	-0.11		<TS
32	22	C	38	25	17	02C	-0.17		<TS
33	22	C	38	25	10	01C	0.23		<TS
34	22	C	41	26	1	01C	0.00		<TS
35	22	C	39	29	24	02C	-0.11		<TS
36	22	C	41	29	13	NV1	0.00		<TS
37	22	C	19	31	13	NV3	0.00		<TS
38	22	C	43	32	3	02C	-0.17		<TS
39	22	C	43	32	11	01C	0.14		<TS
40	22	C	19	34	22	NV1	-0.03		<TS
41	22	C	43	34	17	03C	-0.09		<TS
42	22	C	44	34	28	02C	-0.17		PLG
43	22	C	43	35	31	02C	-0.14		<TS
44	22	C	38	36	22	NV2	2.38		<TS
45	22	C	44	36	27	02C	-0.14		<TS
46	22	C	42	38	6	NV1	-0.26		<TS
47	22	C	42	38	12	NV2	-0.11		<TS
48	22	C	42	38	15	02C	-0.22		<TS
49	22	C	38	39	6	NV1	-0.11		<TS
50	22	C	38	39	6	NV2	-0.17		<TS

No.	S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
51	22	C	43	39	5	02C	-0.23		<TS
52	22	C	44	39	13	02C	-0.17		<TS
53	22	C	44	40	22	02C	0.03		<TS
54	22	C	33	41	14	NV1	0.00		<TS
55	22	C	40	41	7	NV1	0.03		<TS
56	22	C	40	41	14	NV2	0.00		<TS
57	22	C	40	41	12	NV3	0.00		<TS
58	22	C	44	42	12	02C	-0.11		<TS
59	22	C	46	42	12	02C	-0.23		<TS
60	22	C	37	43	31	NV2	33.38		<TS
61	22	C	37	43	28	NV4	3.88		<TS
62	22	C	45	43	6	01C	0.14		<TS
63	22	C	45	44	25	02C	0.03		<TS
64	22	C	39	45	17	NV1	-0.17		<TS
65	22	C	32	46	22	NV2	0.75		<TS
66	22	C	32	46	22	NV2	26.92		<TS
67	22	C	32	46	20	NV4	1.27		<TS
68	22	C	38	46	28	07H	35.97		<TS
69	22	C	38	46	24	NV4	3.01		<TS
70	22	C	36	47	20	NV2	1.89		<TS
71	22	C	38	47	22	NV2	1.95		<TS
72	22	C	45	47	9	01C	-0.06		<TS
73	22	C	38	48	25	NV2	2.45		<TS
74	22	C	38	48	10	NV4	0.06		<TS
75	22	C	41	48	17	NV2	0.00		<TS
76	22	C	44	48	11	01C	-0.06		<TS
77	22	C	45	48	16	02C	-0.11		<TS
78	22	C	45	48	1	01C	0.20		<TS
79	22	C	25	49	13	NV4	0.00		<TS
80	22	C	26	49	12	NV4	0.36		<TS
81	22	C	11	50	12	NV1	0.00		<TS
82	22	C	33	50	25	NV2	28.58		<TS
83	22	C	38	50	17	NV1	0.00		<TS
84	22	C	38	50	27	NV4	0.00		<TS
85	22	C	45	50	27	01C	0.11		<TS
86	22	C	37	51	24	NV2	2.26		<TS
87	22	C	37	51	23	NV2	32.91		<TS
88	22	C	46	51	34	01C	-0.14		<TS
89	22	C	33	52	20	07H	35.33		<TS
90	22	C	45	52	19	01C	0.11		<TS
91	22	C	40	53	23	01C	0.17		<TS
92	22	C	44	53	26	01C	0.00		<TS
93	22	C	46	53	18	02C	-0.14		<TS
94	22	C	36	54	28	NV4	3.43		<TS

No.	S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
95	22	C	39	54	26	07H	35.53		<TS
96	22	C	45	54	1	02C	0.03		<TS
97	22	C	45	54	1	01C	0.06		<TS
98	22	C	39	55	23	NV2	3.86		<TS
99	22	C	36	56	27	NV2	33.04		<TS
100	22	C	38	56	9	NV1	0.03		<TS
101	22	C	38	56	20	NV2	35.71		<TS
102	22	C	42	56	3	02C	-0.03		<TS
103	22	C	43	56	21	01C	-0.11		<TS
104	22	C	38	57	22	07H	34.91		<TS
105	22	C	43	57	26	NV3	0.00		<TS
106	22	C	43	57	1	01C	-0.20		<TS
107	22	C	45	57	6	01C	-0.09		<TS
108	22	C	35	58	25	07H	33.23		<TS
109	22	C	43	58	11	NV2	-0.11		<TS
110	22	C	43	58	15	01C	0.00		<TS
111	22	C	40	59	23	07H	35.05		<TS
112	22	C	40	59	21	NV2	3.92		<TS
113	22	C	41	60	7	02C	-0.17		<TS
114	22	C	42	60	1	02C	-0.23		PLG
115	22	C	43	60	7	02C	0.00		<TS
116	22	C	41	61	26	02C	0.00		<TS
117	22	C	44	61	19	02C	-0.17		<TS
118	22	C	43	63	5	02C	-0.20		<TS
119	22	C	32	64	31	NV2	3.14		<TS
120	22	C	32	64	32	NV2	28.32		<TS
121	22	C	38	64	30	NV2	34.46		<TS
122	22	C	39	64	20	02C	-0.17		<TS
123	22	C	42	64	28	02C	-0.20		<TS
124	22	C	19	65	22	NV2	1.25		<TS
125	22	C	42	65	11	02C	-0.11		<TS
126	22	C	43	65	16	02C	-0.20		<TS
127	22	C	40	66	5	02C	0.14		<TS
128	22	C	41	66	30	02C	-0.14		<TS
129	22	C	32	67	16	NV1	0.00		<TS
130	22	C	32	67	30	NV2	0.00		<TS
131	22	C	32	67	25	NV2	28.51		<TS
132	22	C	32	67	32	NV3	0.00		<TS
133	22	C	32	67	20	NV4	0.00		<TS
134	22	C	32	68	20	NV2	28.71		<TS
135	22	C	36	69	14	NV1	0.00		<TS
136	22	C	36	69	34	NV3	0.09		<TS
137	22	C	36	69	18	NV4	0.06		<TS
138	22	C	40	69	24	02C	-0.11		<TS

No.	S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
139	22	C	41	69	4	02C	-0.06		<TS
140	22	C	36	70	34	NV2	5.06		<TS
141	22	C	36	70	38	NV2	32.95		<TS
142	22	C	16	71	12	NV3	-0.14		<TS
143	22	C	38	71	23	01C	-0.06		<TS
144	22	C	40	71	22	02C	-0.17		<TS
145	22	C	36	72	16	02C	-0.20		<TS
146	22	C	37	72	1	02C	-0.17		<TS
147	22	C	36	73	26	NV2	32.06		<TS
148	22	C	36	73	1	02C	-0.14		<TS
149	22	C	35	74	1	02C	0.08		<TS
150	22	C	33	75	25	01C	0.00		<TS
151	22	C	35	75	25	01C	-0.03		<TS
152	22	C	36	75	20	02C	-0.17		<TS
153	22	C	33	76	16	01C	-0.03		<TS
154	22	C	30	79	16	02C	0.17		<TS
155	22	C	30	79	4	01C	0.11		<TS
156	22	C	29	81	8	NV2	0.00		<TS
157	22	C	30	81	21	01C	0.00		<TS
158	22	C	29	82	26	02C	-0.23		<TS
159	22	C	29	82	36	01C	-0.11		<TS
160	22	C	30	82	19	02C	-0.14		<TS
161	22	C	30	83	1	02C	-0.20		<TS
162	22	C	29	84	1	02C	-0.26		<TS
163	22	C	22	85	1	01C	-0.14		<TS
164	22	C	24	85	3	01C	-0.14		<TS
165	22	C	28	85	15	01C	0.06		<TS
166	22	C	28	85	16	01C	-0.17		<TS
167	22	C	26	86	11	02C	-0.14		<TS
168	22	C	20	87	1	01C	-0.14		<TS
169	22	C	14	88	5	02C	-0.08		<TS
170	22	C	22	88	7	02C	-0.20		<TS
171	22	C	16	89	17	02C	-0.11		<TS
172	22	C	16	89	18	01C	-0.26		<TS
173	22	C	17	89	29	01C	0.00		<TS
174	22	C	18	89	21	02C	-0.06		<TS
175	22	C	19	89	17	01C	0.00		<TS
176	22	C	20	89	1	02C	-0.03		<TS
177	22	C	21	89	1	02C	-0.03		<TS
178	22	C	6	90	21	01C	0.11		<TS
179	22	C	12	90	14	01C	-0.06		<TS
180	22	C	16	90	33	01C	0.00		<TS
181	22	C	17	90	4	01C	-0.11		<TS
182	22	C	2	91	13	01C	0.06		<TS

No.	S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
183	22	C	7	91	8	01C	0.05		<TS
184	22	C	11	91	31	02C	0.00		<TS
185	22	C	12	91	11	02C	-0.09		<TS
186	22	C	12	91	2	01C	0.06		<TS
187	22	C	13	91	11	02C	0.00		<TS
188	22	C	1	92	1	01C	0.11		<TS
189	22	C	3	92	18	01C	0.03		<TS
190	22	C	6	92	5	02C	0.00		<TS
191	22	C	7	92	34	01C	0.03		<TS
192	22	C	9	92	7	01C	0.06		<TS
193	22	C	4	93	12	02C	0.00		<TS
194	22	C	4	93	19	01C	0.14		<TS
195	22	C	5	93	22	01C	0.08		<TS
196	22	C	2	94	6	01C	0.08		<TS
197	22	C	4	94	12	02C	-0.08		<TS
198	22	C	5	94	3	02C	-0.03		<TS

TABLE III  
Identification of Tubes Plugged or Sleeved

No.	S/G	LEG	ROW	COL	PERCENT	LOCATION	ELEV FROM	ELEV TO	STATUS
1	21	H	31	22	TBP	⊙			PLG
2	21	C	34	31	40	NV3	0.05		PLG
3	21	C	7	38	SVI	05C	0.19	0.37	PLG
4	21	C	45	41	44	01C	-0.22		PLG
5	21	H	18	42	FPC	EBH	0.30		PLG
6	21	H	15	43	MAI	1BH	16.77	17.41	PLG
7	21	H	27	44	SAI	TSH	-0.31	0.06	PLG
8	21	H	7	47	FPC	EBH	0.30		PLG
9	21	H	26	48	FPC	EBH	0.30		PLG
10	21	H	14	52	FPC	EBH	0.30		PLG
11	21	H	16	56	SAI	EBH	-0.02	0.02	PLG
12	21	H	34	68	MAI	2BH	14.30	14.74	PLG
1	22	H	19	32	SAI	TRH	16.36	16.57	PLG
2	22	H	18	34	SAI	TSH	-0.10	0.07	PLG
3	22	C	44	34	56	01C	0.26		PLG
4	22	C	45	39	41	02C	-0.11		PLG
5	22	H	14	43	SAI	TSH	-0.41	-0.11	PLG
6	22	C	42	60	46	01C	0.00		PLG
7	22	H	24	83	SAI	TRH	18.38	18.70	PLG
8	22	C	7	86	SVI	TSC	-0.06	0.30	PLG

⊙ EF\* re-roll candidate Inaccessible due to nozzle interference with elevated re-roll tooling

LEGEND OF FIELDS AND CODES

<u>FIELD</u>	<u>EXPLANATION</u>
NO.	Cumulative number per table per S/G
S/G	Steam Generator Number (21 or 22)
LEG	Channel head tested from (H = inlet & C = outlet)
ROW	Row number of tube location
COL	Column number of tube location
PERCENT	Measured percent or three digit code - see below
LOCATION	Physical Location of Indication - see below
ELEV FROM	Measurement in inches from the LOCATION to the lower edge of the indication
ELEV TO	Measurement in inches from the LOCATION to the upper edge of the indication
STATUS	Repair status – see below

<u>FIELD</u>	<u>CODE</u>	<u>EXPLANATION</u>
PERCENT	ADR	Absolute Drift
	CUD	Copper Deposit
	DEP	Deposit
	DNI	Dent with Indication
	DNT	Dent
	DRI	Distorted Roll Transition with Indication
	DSI	Distorted Support Signal with Indication
	DTI	Distorted Tube Sheet Signal with Indication
	FPC	Failed Profilometry Criteria
	INR	Indication Not Reportable
	MAI	Multiple Axial Indication
	MBM	Manufacturing Burnish Mark
	MRI	Mix Residual Indication
	NQI	Non Quantifiable Indication
	PLP	Possible Loose Part
	PSI	Possible Support Indication
	SAI	Single Axial Indication
	SVI	Single Volumetric Indication
	TBP	To Be Plugged
0-100	As measured percent through wall	
LOCATION	TEH	Tube end hot (primary face)
	TRH	Top of roll expansion hot leg
	1BH	Bottom of Additional roll expansion #1 hot leg
	2BH	Bottom of Additional roll expansion #2 hot leg
	EBH	Bottom of Elevated roll expansion hot leg
	TSH	Tube sheet hot (secondary face)
	0?H	? = First through Seventh tube support plate on hot
leg side	NV?	? = First through Fourth new antivibration bar
leg side	0?C	? = First through Seventh tube support plate on cold
	TSC	Tube sheet cold (secondary face)
	TRC	Top of roll expansion cold leg
	TEC	Tube end cold (primary face)
STATUS	<TS	Less Than the Technical Specification repair limit
	PLG	Tube Plugged

Section 8. Repair/Replacement Activities for Cycle 22, ISI Interval 4

75 NIS-2 forms are attached which identify Prairie Island Unit 2 Repair/ Replacement Activities during fuel cycle 22, 4<sup>th</sup> ISI Interval.

Item #	WO, EEC, MOD #s	Comp Name	Description of Work Completed	Code Class	SYS
2-22-017	0300221	22 CLG WTR Strainer Backwash control valve	Replaced inlet flange fasteners.	3	CL
2-22-019	0408554, SPCE-ME-0453	22 BA Transfer Pump	Replaced the mechanical seal gland plate.	2	VC
2-22-020	0309138, EEC-1076	22 Containmnet Spray Pump	Swapped out rotating assembly including the mechanical seal gland plate with rebuilt spare.	2	CS
2-22-022	0408999	Spare Charging Pump	Replaced plungers in spare charging pump packing assemblies.	2	VC
2-22-023	0409789	23 Charging Pump	Replaced packing assemblies.	2	VC
2-22-024	0409795	Spare Charging Pump	Rebuilt spare charging pump packing assemblies 16, 17, 18.	2	VC
2-22-025	0404991, EEC 1366	21 RHR Pump Discharge Check	Replaced flange fasteners.	2	RH
2-22-026	0309602, EEC-1359	22 RHR Pump Discharge vlv	Replaced flange fasteners.	2	RH
2-22-027	0404990, EEC-1359	21 RHR Hx tube inlet valve	Replaced flange fasteners.	2	RH
2-22-028	0309601, EEC-1366	22 RHR Pmp Dsch. Chk.	Replaced flange fasteners.	2	RH
2-22-029	0403583	21 CL Strainer Backwash valve	Replaced valve.	3	CL
2-22-030	0302100, 0302101, 0302104, 0408936, MOD 03CS02	CS piping support	Added recirculation lines to Containment Spray piping, including associated valves, fittings and necessary support work.	2	CS

Item #	WO, EEC, MOD #s	Comp Name	Description of Work Completed	Code Class	SYS
2-22-031	0400531	LTDN Line to 21 VCT Inlet Relief Valve	Replaced Flange Fasteners.	2	VC
2-22-035	0302163	21 RHR HX to 21 CS PMP Suct.Valve	Replaced body to bonnet fasteners.	2	CS
2-22-036	0406545	SG Snubber Block Valve	Replaced valve block.	1	SG
2-22-037	0406553	21 VC Tank relief valve	Replaced relief valve for IST testing.	2	VC
2-22-038	0302034	21 MD AFW PMP Suct	Replaced body to bonnet fasteners.	3	AF
2-22-040	0408490	21 Steam Generator	Replaced hand hole studs.	2	SG
2-22-041	0501129	Cooling Water Sys. Pipe	Replaced Orifice plate and flange fasteners.	3	CL
2-22-042	0501128	Cooling Water Sys. Pipe	Replaced flange fasteners for orifice plate connection.	3	CL
2-22-043	0408489, 0312044, 0404569	22 Steam Generator	Removed MA600 explosive type tube to tube sheet plugs and installed welded tube sheet plugs.	1	RC
2-22-044	0408488, 0312043, 0404568	21 Steam Generator	Removed MA600 explosive type tube to tube sheet plugs and installed welded tube sheet plugs.	1	RC
2-22-045	0406803, DCP 04RC03	Pressurizer PORV	Replaced valve.	1	RC
2-22-046	0406806, DCP 04RC03	Pressurizer PORV	Replaced valve.	1	RC
2-22-048	0408498, EEC-1076	Spare Containment Spray Pump	Replaced mechanical seal gland plate and gland fasteners.	2	CS
2-22-049	0501212	22 Containment Spray Pump	Replaced support fasteners.	2	CS

Item #	WO, EEC, MOD #s	Comp Name	Description of Work Completed	Code Class	SYS
2-22-050	0501211	21 Containment Spray Pump	Replaced support fasteners.	2	CS
2-22-051	0408818	22 TDAFW Steam Supply Valve	Replaced trim set.	2	AF
2-22-052	0501758	21 BA Transfer Pump	Replaced the mechanical seal gland plate.	2	VC
2-22-053	0406633, DCP 03RV05	RCGVS Piping Support	Replaced piping and support.	1	RV
2-22-054	0201893	Snubber	Replaced piston.	yes	SN
2-22-056	0503331	23 FCU	Replaced H-Bend sections.	2	CL
2-22-057	0501440	22 FCU	Replaced H-Bend sections.	2	CL
2-22-058	0501114	21 FCU	Replaced H/U-Bend sections and plugged tubes as necessary.	2	CL
2-22-061	0501441	23 FCU	Replaced H-Bend sections.	2	CL
2-22-062	0302796	22 RC Pump Motor Spare	Replace RC pump motor including integral CC piping.	2	CC
2-22-064	0308978	2RCS Loop A HL RHR Sup.	Replaced body to bonnet fasteners.	1	RH
2-22-065	0406648, DCP 03RV05	CETNAs for new Rx Head	Replaced Marmon Clamps with CETNAs as part of the replacement Reactor Vessel Head project.	1	RV
2-22-066	0501681, DCP 05ZC02	21 Fan Coil Unit coils	Replaced coils and section of bottom supply piping.	2	ZC
2-22-067	0501682, DCP 05ZC02	22 Fan Coil Unit coils	Replaced coils and section of return piping.	2	ZC

Item #	WO, EEC, MOD #s	Comp Name	Description of Work Completed	Code Class	SYS
2-22-068	0501683, DCP 05ZC02	23 Fan Coil Unit coils	Replaced coils.	2	ZC
2-22-069	0501684, DCP 05ZC02	24 Fan Coil Unit coils	Replaced coils.	2	ZC
2-22-072	0503776	MS Venturi Nameplate	Removed and reinstalled Main Steam Venturi Nameplate.	2	MS
2-22-073	0503777	MS Venturi Nameplate	Removed and reinstalled Main Steam Venturi Nameplates.	2	MS
2-22-075	0408531, EEC-1196	21 Excess Letdown HX	Replaced primary side flange to head bolting.	1	VC
2-22-076	0501308, DCP 04RC03	Line 3-2RC- 21support	Installed 2 supports in Line 3-2RC- 21.	1	RC
2-22-077	0504477	VC Piping (blind flange)	Replaced flange fasteners.	1	VC
2-22-080	0306492	22 RHR Pump	Replaced mechanical seal gland fasteners.	2	RH
2-22-081	0404380	22 SG PORV	Replaced trim set including the plug and inner plug.	2	MS
2-22-084	0406173	21 LTDN Orifice ISOL valve	Replaced trim, including the plug.	2	VC
2-22-085	0406174	21 LTDN Orifice ISOL valve	Replaced trim, including the plug.	2	VC
2-22-086	0406175	21 LTDN Orifice ISOL valve	Replaced trim, including the plug.	2	VC
2-22-088	0504588 and EEC- 1620	Valve MV- 32232	Replaced body to bonnet fasteners.	1	RH
2-22-089	0307474	22 FCU CLG WTR INLT ISOL valve	Replaced body to bonnet fasteners.	2	CL

Item #	WO, EEC, MOD #s	Comp Name	Description of Work Completed	Code Class	SYS
2-22-090	0503807	Sump B to 21 RHR PMP TRN A	Replaced disc and body to bonnet fasteners.	2	SI
2-22-091	0504596 and EEC-1620	2RCS LP A Hot Leg RHR Supply Valve	Replaced body to bonnet fasteners.	1	RH
2-22-092	0404500, DCP 03RV05	Original Rx Vessel Head	Replaced reactor vessel head.	1	RV
2-22-093	0406171	LTDN Line ISOL TRN B valve	Replaced trim, including the plug.	1	VC
2-22-094	0503917	LTDN Line ISOL TRN A valve	Replaced trim, including the plug.	1	VC
2-22-095	0503819	Sump B to 21 RHR Pmp Trn A (inside MV)	Replaced valve body to bonnet studs. Disc was refurbished by Crane Nuclear and reinstalled.	2	SI
2-22-096	0501502	22 RCP Brg. Clg. Wtr. Sup. Relief	Replaced fastener material with longer studs to assure full thread engagement of the nuts	3	CC
2-22-097	0307325, EEC 1624	21 RHR Flow Control Valve	Replaced flange fastener material with new studs and nuts.	2	RH
2-22-098	0406802, EEC-1096	22 MS HDR Relief	Replaced applicable valve to flange nuts with superbolt material.	2	MS
2-22-099	0406804	22 SG MS HDR Relief	Replaced applicable valve to flange nuts with superbolt material.	2	MS
2-22-100	0406801	22 MS HDR Relief	Replaced applicable valve to flange nuts superbolt material.	2	MS
2-22-101	0408490	#21 Steam Generator	Replaced secondary manway studs and nuts.	2	SG
2-22-102	0504651, 0504725, 0504756	22 Accumulator Level Pipe	Replaced accumulator tank level instrument piping to facilitate nozzle repair.	2	SI
2-22-103	0504651, 0504756	22 Accumulator	Replaced accumulator level piping nozzle.	2	SI

Item #	WO, EEC, MOD #s	Comp Name	Description of Work Completed	Code Class	SYS
2-22-104	0504651	22 Accumulator	Replaced manway fasteners.	2	SI
2-22-107	0504658	21 Accumulator	Replaced manway fasteners.	2	SI
2-22-108	0504658, 0504757	#21 Accumulator	Replaced accumulator level piping nozzle and piping.	2	SI
2-22-110	0504905, EEC 1626	#21 Accumulator	Replaced accumulator level piping nozzle and piping.	2	SI
2-22-111	0504907, 0504757, EEC 1626	#21 Accumulator	Replaced accumulator level piping nozzle and piping.	2	SI
2-22-112	0504947	Equipment Hatch	Replaced Equipment Hatch swing bolt latch pins.	MC	MC
2-22-113	0504940, EEC ME- 1636	SI Pipe Hanger	Replaced bolts and spacer.	2	SI

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY**

ITEM 2-22-113

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 [Signature], ASME Program Engineer Date 6/22/05  
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 03 JUN 05 to 21 JUN 05, 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 [Signature] Commissions NB 1288 ANI MN 21924  
National Board, Province and Endorsements

Date June 24, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-113

1. Owner Nuclear Management Company, LLC Date 6/22/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0504940, EEC ME-1636  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System SI Code Class 2
5. (a) Applicable Construction Code B31.1, 1967 Edition  
 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
SI Pipe Hanger	NAVCO	n/a	n/a	RSIH-499	1970	Corrected	<input type="checkbox"/>
SI Pipe Hanger	NAVCO	n/a	n/a	RSIH-495	1970	Corrected	<input type="checkbox"/>

7. Description of Work Replaced bolts and spacer.
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 2-22-112

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 6/10/05  
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 02 JUN 05 to 15 JUN 05, 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.

[Signature] Commissions NB 1095 AWI MN 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 15, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-112

1. Owner Nuclear Management Company, LLC Date 6/10/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0504947  
 Address \_\_\_\_\_
3. Work Performed by Owner Repair Organization P.O. No., Job No., etc  
 Name \_\_\_\_\_ Type Code Symbol Stamp N/A  
 Same \_\_\_\_\_ Authorization N/A  
 Address \_\_\_\_\_ Expiration Date N/A
4. Identification of System MC Code Class MC
5. (a) Applicable Construction Code ASME III, Class B, 1965 Edition  
 Addenda 1967 Code Cases \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1992E / 1992A  
 (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
Equipment Hatch	CB&I			2PENN-EH	1968	Corrected	<input checked="" type="checkbox"/>

7. Description of Work Replaced Equipment Hatch swing bolt latch pins.
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 2-22-111

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 [Signature], ASME Program Engineer Date 7/8/05, \_\_\_\_\_  
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 30 MAY 05 to 07 JUL 05, 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.

[Signature] Commissions NB 12085 ANI MN 21925  
Inspector's Signature National Board, Province and Endorsements

Date July of 2005



PRAIRIE ISLAND NUCLEAR GENERATING PLANT

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

ITEM 2-22-110

9. Remarks

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\_\_\_\_\_  
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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 [Signature], ASME Program Engineer Date 7/28/05

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 30 MAY 05 to 27 JUL 05, 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.

[Signature] Commissions NB 12085 ANI MN 21924  
Inspector's Signature National Board, Province and Endorsements

Date July 29, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-110

1. Owner Nuclear Management Company, LLC Date 7/28/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0504905, EEC 1626  
 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 Address \_\_\_\_\_ Expiration Date N/A  
 Address \_\_\_\_\_ Code Class 2
4. Identification of System SI Code Class 2
5. (a) Applicable Construction Code ASME III and ANSI B31.1, 1965 and 1967 Edition  
 Addenda 1967 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
#21 Accumulator	Delta Southern		2575	201-031	1970	Corrected	<input checked="" type="checkbox"/>

7. Description of Work Replaced accumulator level piping nozzle and piping.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure 1025 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 2-22-108

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 [Signature], ASME Program Engineer Date 7/6/05  
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 23 May 05 to 11 July 05, 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.

[Signature] Commissions NB 2085 and MD 21924  
Inspector's Signature National Board, Province and Endorsements

Date July 11, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-108

1. Owner Nuclear Management Company, LLC Date 7/6/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0504658, 0504757  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System SI Code Class 2
5. (a) Applicable Construction Code ASME III and ANSI B31.1, 1965 and 1967 Edition  
 Addenda 1967 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
#21 Accumulator	Delta Southern	unknown	2575	201-031	1970	Corrected	<input checked="" type="checkbox"/>
#21 Accumulator Level Pipe	NAVCO	n/a	n/a	2-2SI-59	1974	Corrected	<input type="checkbox"/>

7. Description of Work Replaced accumulator level piping nozzle and piping.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure 1025 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 2-22-107

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 [Signature], ASME Program Engineer Date 7/6/05, \_\_\_\_\_  
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 23 May 05 to 12 July 05, 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.

[Signature] Commissions NB 1705 AS1 MD 21924  
Inspector's Signature National Board, Province and Endorsements

Date July 12, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-107

1. Owner Nuclear Management Company, LLC Date 7/6/2005
2. Plant Prairie Island Nuclear Generating Plant Sheet 1 of 2  
1717 Wakonade Dr. E, Welch Minnesota 55089 0504658  
Address Repair Organization P.O. No., Job No., etc
3. Work Performed by Owner Type Code Symbol Stamp N/A  
Same Authorization N/A  
Address Expiration Date N/A
4. Identification of System SI Code Class 2
5. (a) Applicable Construction Code ASME III, 1965 Edition  
 Addenda 1967 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
21 Accumulator	Delta Southern		2575	201-031	1970	Corrected	<input checked="" type="checkbox"/>

7. Description of Work Replaced manway fasteners.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 Other: Non-Code System Leakage Test at NOP, NOT.

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 2-22-104

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 [Signature], ASME Program Engineer Date 7/5/05  
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 23 MAY 05 to 11 JUN 05, 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.

[Signature] Commissions NB 12095 AW, MD 01924  
Inspector's Signature National Board, Province and Endorsements

Date July 11, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-104

1. Owner Nuclear Management Company, LLC Date 7/5/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0504651  
 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 SI Code Class 2
5. (a) Applicable Construction Code ASME III, 1965 Edition  
 Addenda 1967 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
22 Accumulator	Delta Southern		2576	201-032	1970	Corrected	<input checked="" type="checkbox"/>

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 2-22-103

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 [Signature], ASME Program Engineer Date 7/5/05  
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 23 May 05 to 11 Jun 05, 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 [Signature] Commissions SB 1285 ANI MD 21924  
National Board, Province and Endorsements  
Date July 11, 2005



**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY**

ITEM 2-22-102

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 [Signature], ASME Program Engineer Date 7/5/05  
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 MAY 05 to 11 JUN 05, 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 [Signature] Commissions NB 12095 ASI MD 21924  
National Board, Province and Endorsements

Date July 11, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-102

1. Owner Nuclear Management Company, LLC Date 7/5/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0504651, 0504725, 0504756  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System SI Code Class 2
5. (a) Applicable Construction Code ASME B31.1, 1967 Edition  
 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
22 Accumulator Level Pipe	NAVCO	n/a	n/a	2-2SI-61	1974	Corrected	<input type="checkbox"/>

7. Description of Work Replaced accumulator tank level instrument piping to facilitate nozzle repair.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure 1005 psi Test Temp. NOR T <sup>RC 7/11/05</sup> °F
- Other: \_\_\_\_\_

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 2-22-101

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 7/6/05  
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 19 MAY 05 to 12 Jul 05, 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 [Signature] Commissions NB 11085 and MAJ 21924  
National Board, Province and Endorsements

Date July 12, 2005



**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY**

ITEM 2-22-100

9. Remarks RS-21-16 is a Category B valve for IST requirements for which seat leakage in the closed position is inconsequential for fulfilling it's design function. Perform visual inspection of the inlet flange joint at NOPT

**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 [Signature], ASME Program Engineer Date 6/29/05

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 18 May 05 to 01 Jul 05, 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.

[Signature] Commissions NB 12085 AW1 MAJ 21924  
Inspector's Signature National Board, Province and Endorsements

Date July 01, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-100

1. Owner Nuclear Management Company, LLC Date 6/29/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0406801 ECC-1096 <sup>6/29/05</sup>  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System MS Code Class 2
5. (a) Applicable Construction Code B16.34, B31.1-1967 <sup>11/02</sup> Edition 2-6/29/05  
 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
22 MS HDR Relief	Consolidated	N/A	N/A	RS-21-16	N/A	Corrected	<input type="checkbox"/>

7. Description of Work Replaced applicable valve to flange nuts superbolt material.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F
- Other: \_\_\_\_\_

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 2-22-099

9. Remarks RS-21-19 is a Category B valve for IST requirements for which seat leakage in the closed position is inconsequential for fulfilling it's design function. Perform visual inspection of the inlet flange joint at NOPT

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 [Signature], ASME Program Engineer Date 6/29/05  
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 18 MAY 05 to 01 JUL 05, 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.

[Signature] Commissions NB 12085 ANI MD 0524  
Inspector's Signature National Board, Province and Endorsements

Date July 01, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-099

1. Owner Nuclear Management Company, LLC Date 6/29/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0406804 EEC-1096 7/1/05  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System MS Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, \_\_\_\_\_ Edition \_\_\_\_\_  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_
- (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
22 SG MS HDR Relief	Consolidated	N/A	N/A	RS-21-19	N/A	Corrected	<input type="checkbox"/>

7. Description of Work Replaced applicable valve to flange nuts with superbolt material.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F
- Other: \_\_\_\_\_

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 2-22-098

9. Remarks RS-21-17 is a Category B valve for IST requirements for which seat leakage in the closed position is inconsequential for fulfilling it's design function. Perform visual inspection of the inlet flange joint at NOPT

**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 [Signature], ASME Program Engineer Date 6/29/05

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 18 May 05 to 01 Jul 05, 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 [Signature] Commissions NB 12085 ANI MN 21924  
National Board, Province and Endorsements

Date July 01, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-098

1. Owner Nuclear Management Company, LLC Date 6/29/2005  
 Name \_\_\_\_\_  
 2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0406802, EEC-1096  
 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 \_\_\_\_\_ Code Class 2  
 4. Identification of System MS  
 5. (a) Applicable Construction Code B16.34, \_\_\_\_\_ Edition \_\_\_\_\_  
 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
22 MS HDR Relief	Consolidated	N/A	N/A	RS-21-17	N/A	Corrected	<input type="checkbox"/>

7. Description of Work Replaced applicable valve to flange nuts with superbolt material.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ ° F
- Other: \_\_\_\_\_

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 2-22-097

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 [Signature], ASME Program Engineer Date 6/23/05

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 18 May 05 to 29 Jun 05, 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.

[Signature] Commissions NB 11095 ANI MN 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 29, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-097

1. Owner Nuclear Management Company, LLC Date 6/23/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0307325, EEC 1624  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System RH Code Class 2
5. (a) Applicable Construction Code B31.1, 1967 Edition  
 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
21 RHR Flow Control Valve	Continental	N/A	N/A	CV-31238	N/A	Corrected	<input type="checkbox"/>

7. Description of Work Replaced flange fastener material with new studs and nuts.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F
- Other: A non-code visual exam of the fasteners will be conducted prior to installation.

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 2-22-096

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 [Signature], ASME Program Engineer Date 7/12/05

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 18 MAY 05 to 27 JUL 05, 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.

[Signature] Commissions NB 17085 ANI MN 21924  
Inspector's Signature National Board, Province and Endorsements

Date July 27, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-096

1. Owner Nuclear Management Company, LLC Date 7/12/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0501502  
 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 \_\_\_\_\_ Code Class 3
4. Identification of System CC Code Cases N/A Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, Code Cases N/A  
 Addenda N/A Edition \_\_\_\_\_
- (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998E/2000A
- (c) Applicable Section XI Code Cases N/A
6. Identification of Components

Component Name	Manufacturer Name	Manufacturer Serial #	Nat'l Bd #	Other ID	Yr Built	Corrected, Removed, or Installed	ASME Code Stamp
22 RCP Brg. Clg. Wtr. Sup. Relief	Consolidated	N/A	N/A	2CC-60-2	N/A	Corrected	<input type="checkbox"/>

7. Description of Work Replaced fastener material with longer studs to assure full thread engagement of the nuts
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F
- Other: Valve was removed and tested per D44.1 and reinstalled.

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 2-22-095

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 [Signature], ASME Program Engineer Date 7/12/05  
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 18 MAY 05 to 27 JUL 05, 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.

[Signature] Commissions NB 12085 AW MA 21924  
Inspector's Signature National Board, Province and Endorsements

Date July 27, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-095

1. Owner Nuclear Management Company, LLC Date 7/12/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0503819  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System SI Code Class 2
5. (a) Applicable Construction Code ASA 300, B31.1 1967 Edition  
 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
Sump B to 21 RHR Pmp Trn A (inside MV)	Crane	12-GM54SE	N/A	MV-32178	N/A	Corrected	<input type="checkbox"/>

7. Description of Work Replaced valve body to bonnet studs. Disc was refurbished by Crane Nuclear and reinstalled.
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 2-22-094

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 5/31/05, \_\_\_\_\_  
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 16 MAY 05 to 14 JUN 05, 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 [Signature] Commissions NB 1095 ANI MN 21924  
National Board, Province and Endorsements

Date June 14, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-094

1. Owner Nuclear Management Company, LLC Date 5/31/2005  
 Name \_\_\_\_\_
2. Plant Prairie Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0503917  
 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 VC Code Class 1
5. (a) Applicable Construction Code B16.34, \_\_\_\_\_ Edition \_\_\_\_\_  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_  
 (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
LTDN Line ISOL TRN A valve	Masonelan			CV-31230		Corrected	<input type="checkbox"/>

7. Description of Work Replaced 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 2-22-093

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 5/31/05  
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 16 MAY 05 to 02 JUN 05, 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 [Signature] Commissions NB 18025 ANI MAJ 21924  
National Board, Province and Endorsements

Date June 02, 2005



**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-092

1. Owner Nuclear Management Company, LLC Date 6/10/2005
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name 1717 Wakonade Dr. E, Welch Minnesota 55089 Address 0404500, DCP 03RV05  
 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 RV Expiration Date N/A
4. Identification of System RV Code Class 1
5. (a) Applicable Construction Code ASME III, Class 1, 1998 Edition  
 Addenda 2000 Code Cases \_\_\_\_\_  
 (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
Original Rx Vessel Head	Creusot-Loire				1968	Removed	<input type="checkbox"/>
Replacement Rx Vessel Head	Mitsubishi Heavy Industries	B-VH-N10	5851		2004	Installed	<input checked="" type="checkbox"/>

7. Description of Work Replaced reactor vessel head.
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 2-22-092

9. Remarks Manufacturer's Partial Data Report, Form N-2, is attached.

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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 [Signature], ASME Program Engineer Date 6/10/05

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 16 MAY 05 to 16 JUN 05, 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.

[Signature] Commissions NB 12035 ANI MD 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 16, 2005

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

1. Manufactured and certified by MITSUBISHI HEAVY INDUSTRIES, LTD. KOBE SHIPYARD & MACHINERY WORKS  
1-1, WADASAKI-CHO 1-CHOME, HYOGO-KU, KOBE 652-8585 JAPAN  
(name and address of NPT Certificate Holder)
2. Manufactured for Nuclear Management Company 700 First St. Hudson, Wis. 54016  
(name and address of purchaser)
3. Location of installation Prairie Island Unit 2 1717Wakonade Drive East Welch, Minnesota 55089-9642  
(name and address)
4. Type L5-01DR001 Rev.3 SA508 Gr.3 CL.1 80 to 105 ksi — 2005  
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1998 A00 1 N525  
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div.2 only) — Revision — Date —  
(no.)
7. Remarks: 29 control rod drive mechanism (CRDM) penetrations, 29 CRDM assemblies, 4 spare CRDM housings capped with pipe caps, 3 instrumentation port penetrations with a one-piece housing, 2 vent pipes, one for RVHVS, one for RVLIS, 29 thermal sleeves / guide funnels, internal cladding, 2 closure head gasket grooves, continue to \*\*
8. Nom. thickness (in.) 5.71 Min. design thickness (in.) 5.51 Dia. ID (ft & in.) 10' 1.81" Length overall (ft & in.) 25' 1.15"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>B-VH-N10</u>	<u>5851</u>	(26)	
(2) <u>below blank</u>		(27)	
(3)		(28)	
(4)		(29)	
(5) <u>** 4 keyways, 3 closure head lifting lugs, a ventilation shroud support structure, 48 through-holes for closure studs</u>		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9) <u>A CRDM assembly consists of the following:</u>		(34)	
(10) <u>Pressure housing assembly</u>		(35)	
(11) <u>- Latch housing</u>		(36)	
(12) <u>- Rod travel housing</u>		(37)	
(13) <u>4 flux rings</u>		(38)	
(14) <u>Latch assembly</u>		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2485 psi. Temp. 650 °F. Hydro. Test pressure 3190 psi. at temp. 84 °F.  
(when applicable)

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

Certificate Holder's Serial Nos. B-VH-N10 through —

**CERTIFICATION OF DESIGN**

Design specifications certified by Stephan L. Abbott P.E. State PA Reg. no. 030393E  
(when applicable)

Design report\* certified by Joel A. Stevens P.E. State CT Reg. no. 11030  
(when applicable)

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this (these) Reactor Vessel Closure Head with 29 Control Rod Drive Mechanism conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2627 Expires January 28, 2005

Date Jan. 6, 05 Name MITSUBISHI HEAVY INDUSTRIES, LTD. KOBE SHIPYARD & MACHINERY WORKS Signed K. Shitomi  
(NPT Certificate Holder) (authorized representative)

**CERTIFICATE OF 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 PA and employed by HARTFORD STEAM BOILER OF CONNECTICUT of HARTFORD, CT have inspected these items described in this Data Report on JAN 6, 2005, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data 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.

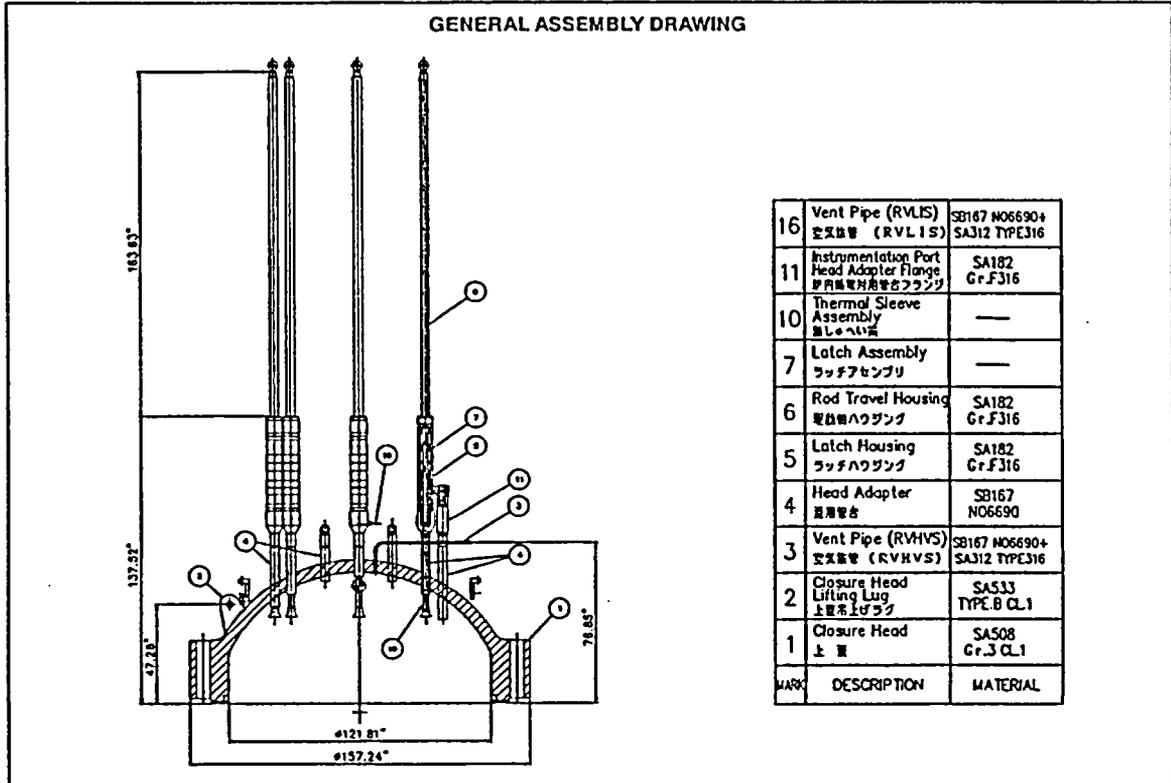
Date JAN. 6, 2005 Signed [Signature] Commissions NB 8663 N, PA 2493  
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM N-2 (3 of 3)

Certificate Holder's Serial Nos. B-VH-N10 through —

Manufactured for Nuclear Management Company 700 First St. Hudson, Wis. 54016  
(name and address of purchaser)

Location of Installation Prairie Island Unit 2 1717Wakonade Drive East Welch, Minnesota 55089-9642  
(name and address)



**NOTE**

This data report covers Control Rod Drive Mechanisms (CRDMs). Drawing no. and Certification of design for CRDMs are shown as follows.

Drawing No. L5-03BM001 Rev.4

Design specifications certified by Ali I. Fakhri P.E. State IL Reg. no. 062-042023  
(when applicable)

Design report certified by David H. Roarty P.E. State PA Reg. no. PE035838E  
(when applicable)

*Ali I. Fakhri*  
11/4/2005  
*U. Shitani*  
Jan. 6. '05

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY**

ITEM 2-22-091

9. Remarks n/a  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**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 [Signature], ASME Program Engineer Date 6/24/05  
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 31 May 05 to 28 Jun 05, 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.

[Signature] Commissions NB 12095 ANI MJ 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 28, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-091

1. Owner Nuclear Management Company, LLC Date 6/24/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0504596 and EEC-1620  
 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 \_\_\_\_\_ Code Class 1
4. Identification of System RH Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, Code Cases \_\_\_\_\_  
 Addenda \_\_\_\_\_  
 (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
2RCS LP A Hot Leg RHR Supply Valve	Velan			MV-32193	1968	Corrected	<input type="checkbox"/>

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 2-22-090

9. Remarks n/a

**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 [Signature], ASME Program Engineer Date 7/14/05  
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 14 MAY 05 to 26 JUL 05, 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.

[Signature] Commissions NB P085 ANI MN 21924  
Inspector's Signature National Board, Province and Endorsements

Date July 26, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-090

1. Owner Nuclear Management Company, LLC Date 7/14/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0503807  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System SI Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, \_\_\_\_\_ Edition \_\_\_\_\_  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_
- (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
Sump B to 21 RHR PMP TRN A	Crane			MV-32180		Corrected	<input type="checkbox"/>

7. Description of Work Replaced disc and 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 2-22-089

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 6/10/05  
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 14 MAY 05 to 17 JUN 05, 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 [Signature] Commissions NB 12685 ANI MAJ 01904  
National Board, Province and Endorsements

Date June 17, 2005



PRAIRIE ISLAND NUCLEAR GENERATING PLANT

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

ITEM 2-22-088

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 6/20/05,  
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 5 May 05 to 28 Jun 05, 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.

[Signature] Commissions NB 12085 NJ 01924  
Inspector's Signature National Board, Province and Endorsements

Date June 28, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-088

1. Owner Nuclear Management Company, LLC Date 6/20/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 WO #0504588 and EEC-1620  
 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 \_\_\_\_\_ Code Class 1
4. Identification of System RH Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, \_\_\_\_\_ Edition \_\_\_\_\_  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_
- (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
Valve MV-32232	Velan	N/A	N/A	MV-32232	N/A	Corrected	<input type="checkbox"/>

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 2-22-086

9. Remarks n/a

**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 [Signature], ASME Program Engineer Date 7/5/05

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 12 MAY 05 to 02 JUL 05, 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 [Signature] Commissions NB 12095 AWI MW 21924  
National Board, Province and Endorsements

Date July 05, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-086

1. Owner Nuclear Management Company, LLC Date 7/5/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0406175  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System VC Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, \_\_\_\_\_ Edition \_\_\_\_\_  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_
- (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
21 LTDN Orifice ISOL valve	Copes Vulcan			CV-31349	1968	Corrected	<input type="checkbox"/>

7. Description of Work Replaced 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 2-22-085

9. Remarks n/a

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**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 [Signature], ASME Program Engineer Date 7/5/05  
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 \_\_\_\_\_ to \_\_\_\_\_, 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.

[Signature] Commissions NB 12085 ANI MN 21984  
Inspector's Signature National Board, Province and Endorsements

Date July 05, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-085

1. Owner Nuclear Management Company, LLC Date 7/5/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0406174  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System VC Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, Code Cases \_\_\_\_\_  
 Addenda \_\_\_\_\_  
 (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
21 LTDN Orifice ISOL valve	Copes Vulcan			CV-31348	1968	Corrected	<input type="checkbox"/>

7. Description of Work Replaced trim, including the plug.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psl 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 2-22-084

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 7/5/05  
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 08/05/05 to 12/05/05, 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.

[Signature] Commissions NB 2085 AWI MN 01924  
Inspector's Signature National Board, Province and Endorsements

Date July 05, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-084

1. Owner Nuclear Management Company, LLC Date 7/5/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0406173  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System VC Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, Code Cases \_\_\_\_\_  
 Addenda \_\_\_\_\_  
 (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
21 LTDN Orifice ISOL valve	Copes Vulcan	6910-95001-156-27		CV-31347	1968	Corrected	<input type="checkbox"/>

7. Description of Work Replaced 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 2-22-081

9. Remarks n/a

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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 [Signature], ASME Program Engineer Date 7/23/05, \_\_\_\_\_  
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 11 MAY 05 to 27 JUL 05, 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.

[Signature] Commissions NB 12085 AWI MN 01924  
Inspector's Signature National Board, Province and Endorsements

Date July 27, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-081

1. Owner Nuclear Management Company, LLC Date 7/13/2005  
 Name \_\_\_\_\_
2. Plant Prairie Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0404380  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System MS Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, Code Cases \_\_\_\_\_  
 Addenda \_\_\_\_\_  
 (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
22 SG PORV	Copes Vulcan			CV-31107	1969	Corrected	<input type="checkbox"/>

7. Description of Work Replaced trim set including the plug and inner 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 2-22-080

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 6/20/05  
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 10 MAY 05 to 31 JUN 05, 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.

[Signature] Commissions NB 1205 ANI MD 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 21, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-080

1. Owner Nuclear Management Company, LLC Date 6/20/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0306492  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System RH Code Class 2
5. (a) Applicable Construction Code n/a, n/a Edition \_\_\_\_\_  
 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
22 RHR Pump	Byron Jackson			245-112		Corrected	<input type="checkbox"/>

7. Description of Work Replaced mechanical seal gland 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 2-22-077

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   [Signature]  , ASME Program Engineer Date   6/2/05  

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   12 May 05   to   03 Jun 05  , 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.

  [Signature]   Commissions   NB 12085 ANI MA 21924    
Inspector's Signature National Board, Province and Endorsements

Date   June 03, 2005



**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY**

ITEM 2-22-076

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 [Signature], ASME Program Engineer Date 6/9/05  
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 12 MAY 05 to 21 JUN 05, 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.

[Signature] Commissions NB 17085 AWI MIN 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 21, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-076

1. Owner Nuclear Management Company, LLC Date 6/9/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0501308, DCP 04RC03  
 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 Address \_\_\_\_\_ Expiration Date N/A
4. Identification of System RC Code Class 1
5. (a) Applicable Construction Code AWS D1.1, 2004 Edition  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_  
 (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
Line 3-2RC-21support				2-RCRH-54	2005	Installed	<input type="checkbox"/>
Line 3-2RC-21support				2-RCRH-55	2005	Installed	<input type="checkbox"/>

7. Description of Work Installed 2 supports in Line 3-2RC-21.
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 2-22-075

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 [Signature], ASME Program Engineer Date 6/24/05, \_\_\_\_\_  
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 24 Jun 05 to 24 Jun 05, 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.

[Signature] Commissions NB 12085 ANI md 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 24, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-075

1. Owner Nuclear Management Company, LLC Date 6/24/2005  
 Name \_\_\_\_\_
2. Plant Prairie Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0408531, EEC-1196  
 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 \_\_\_\_\_ Code Class 1
4. Identification of System VC Code Class 1
5. (a) Applicable Construction Code ASME III, 1968 Edition  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_  
 (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
21 Excess Letdown HX	Atlas			235-011	1968	Corrected	<input checked="" type="checkbox"/>

7. Description of Work Replaced primary side flange to head bolting.
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 2-22-073

9. Remarks n/a

**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 [Signature], ASME Program Engineer Date 6/27/05  
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 01 May 05 to 28 Jun 05, 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 [Signature] Commissions NB 12015 and mN 2924  
National Board, Province and Endorsements

Date June 28, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-073

1. Owner Nuclear Management Company, LLC Date 6/27/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0503777  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System MS Code Class 2
5. (a) Applicable Construction Code B31.1, 1967 Edition  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_  
 (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
MS Venturi Nameplate				30-2MS-2		Removed	<input type="checkbox"/>
MS Venturi Nameplate				30-2MS-2		Installed	<input type="checkbox"/>

7. Description of Work Removed and reinstalled Main Steam Venturi Nameplates.
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 2-22-072

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 5/29/05  
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 01 MAY 05 to 08 JUN 05, 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.

[Signature] Commissions NB 12095 ANI m/21924  
Inspector's Signature National Board, Province and Endorsements

Date June 08, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-072

1. Owner Nuclear Management Company, LLC Date 5/29/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0503776  
 Address \_\_\_\_\_
3. Work Performed by Owner Repair Organization P.O. No., Job No., etc \_\_\_\_\_  
 Name \_\_\_\_\_  
 Same \_\_\_\_\_  
 Address \_\_\_\_\_
4. Identification of System MS Type Code Symbol Stamp N/A  
 Authorization N/A  
 Expiration Date N/A  
 Code Class 2
5. (a) Applicable Construction Code B31.1, 1967 Edition \_\_\_\_\_  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_  
 (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
MS Venturi Nameplate				30-2MS-1		Removed	<input type="checkbox"/>
MS Venturi Nameplate				30-2MS-1		Installed	<input type="checkbox"/>

7. Description of Work Removed and reinstalled Main Steam Venturi Nameplate.
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 2-22-069

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 7/26/05

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 02 May 05 to 05 Aug 05, 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.

[Signature]  
Inspector's Signature

Commissions NB 17005 AWI MN 21924  
National Board, Province and Endorsements

Date August 03, 2005



PRAIRIE ISLAND NUCLEAR GENERATING PLANT

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

ITEM 2-22-068

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 8/2/05  
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 02MAY05 to 02AUG05, 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 [Signature] Commissions NB 1205 NWI m/21924  
National Board, Province and Endorsements

Date August 02, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-068

1. Owner Nuclear Management Company, LLC Date 8/2/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0501683, DCP 05ZC02  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System ZC Code Class 2
5. (a) Applicable Construction Code ASME III, Class 2, 1989 Edition  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_  
 (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
23 Fan Coil Unit coils	Westinghouse			274-013	1989	Removed	<input type="checkbox"/>
23 Fan Coil Unit coils	Aerofin			274-013	2005	Installed	<input type="checkbox"/>

7. Description of Work Replaced coils.
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 2-22-067

9. Remarks n/a

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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 [Signature] ASME Program Engineer Date 8/5/05  
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 02 MAY 05 to 05 AUG 05, 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 [Signature] Commissions NB 12035 AWI MN 21924  
National Board, Province and Endorsements

Date August 05, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-067

1. Owner Nuclear Management Company, LLC Date 8/5/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0501682, DCP 05ZC02  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System ZC Code Class 2
5. (a) Applicable Construction Code ASME III, Class 2, 1989 Edition  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_  
 (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
22 Fan Coil Unit coils	Westinghouse			274-012	1989	Removed	<input type="checkbox"/>
22 Fan Coil Unit coils	Aerofin			274-012	2005	Installed	<input type="checkbox"/>

7. Description of Work Replaced coils and section of return piping.
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 2-22-066

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 7/27/05  
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 02 MAY 05 to 03 AUG 05, 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 [Signature] Commissions NB PLOTS AWI 11/21/94  
National Board, Province and Endorsements

Date August 03, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-066

1. Owner Nuclear Management Company, LLC Date 7/27/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0501681, DCP 05ZC02  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System ZC Code Class 2
5. (a) Applicable Construction Code ASME III, Class 2, 1989 Edition  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_
- (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
21 Fan Coil Unit coils	Westinghouse			274-011	1989	Removed	<input type="checkbox"/>
21 Fan Coil Unit coils	Aerofin			274-011	2005	Installed	<input type="checkbox"/>

7. Description of Work Replaced coils and section of bottom supply piping.
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 2-22-065

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 6/10/05  
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 05MAY05 to 08 AUG 05, 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.

[Signature] Commissions NB 12085 ANI MAJ 21924  
Inspector's Signature National Board, Province and Endorsements

Date August 09, 2005



**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY**

ITEM 2-22-064

9. Remarks n/a

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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 [Signature], ASME Program Engineer Date 6/21/05  
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 16 May 05 to 24 Jun 05, 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 [Signature] Commissions NB 12085 W. MAJ 21924  
National Board, Province and Endorsements

Date June 24, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-064

1. Owner Nuclear Management Company, LLC Date 6/21/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0308978  
 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 \_\_\_\_\_ Code Class 1
4. Identification of System RH Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.5, \_\_\_\_\_ Edition \_\_\_\_\_  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_  
 (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
2RCS Loop A HL RHR Sup.	Velan			MV-32192		Corrected	<input type="checkbox"/>

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 2-22-062

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 [Signature], ASME Program Engineer Date 7/18/05

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 25 APR 05 to 28 JUL 05, 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.

[Signature] Commissions NB 12055 INI MD 21924  
Inspector's Signature National Board, Province and Endorsements

Date July 28, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-062

1. Owner Nuclear Management Company, LLC Date 7/18/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0302796  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System CC Code Cases 1967 Edition \_\_\_\_\_
5. (a) Applicable Construction Code B31.1, Code Cases \_\_\_\_\_  
 Addenda \_\_\_\_\_  
 (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
22 RC Pump Motor	Westinghouse	2S79P812		MTR-22-2		Removed	<input type="checkbox"/>
22 RC Pump Motor Spare	Westinghouse	1S79P812		MTR-22-2		Installed	<input type="checkbox"/>

7. Description of Work Replace RC pump motor including integral CC piping.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F
- Other: The pump/motor will be exercised tested following replacement.

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 2-22-061

9. Remarks Reference CA 010546

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 [Signature], ASME Program Engineer Date 5/18/05  
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 01 APR 05 to 09 JUN 05, 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.

[Signature] Commissions NB 1095 AWI MW 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 09, 2005



PRAIRIE ISLAND NUCLEAR GENERATING PLANT

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

ITEM 2-22-058

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 [Signature], ASME Program Engineer Date 7/19/05  
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 31 MAR 05 to 26 JUL 05, 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.

[Signature] Commissions NB 12035 AWI MN 21924  
Inspector's Signature National Board, Province and Endorsements

Date July 26, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-058

1. Owner Nuclear Management Company, LLC Date 7/19/2005  
 Name \_\_\_\_\_  
 2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0501114  
 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 \_\_\_\_\_ Code Class 2  
 4. Identification of System CL Code Class 2  
 5. (a) Applicable Construction Code ASME III, 1989 Edition  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_  
 (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
21 FCU	Westinghouse			274-011		Corrected	<input type="checkbox"/>

7. Description of Work Replaced H/U-Bend sections and plugged tubes as necessary.
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 2-22-057

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 [Signature], ASME Program Engineer Date 6/23/05  
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 30 MAR 05 to 29 JUN 05, 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.

[Signature] Commissions NB 17055 AS, MD 01924  
Inspector's Signature National Board, Province and Endorsements

Date June 29, 2005



PRAIRIE ISLAND NUCLEAR GENERATING PLANT

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

ITEM 2-22-056

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 [Signature], ASME Program Engineer Date 5/2/05  
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 30 MAR 05 to 04 MAY 05, 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 [Signature] Commissions NB 12035 ANI MN 01904  
National Board, Province and Endorsements

Date May 04 2005



PRAIRIE ISLAND NUCLEAR GENERATING PLANT

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

ITEM 2-22-054

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 [Signature], ASME Program Engineer Date 6/23/05  
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 22 MAR 05 to 29 JUN 05, 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.

[Signature] Commissions NB 12085 AWI MAJ 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 29, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-054

1. Owner Nuclear Management Company, LLC Date 6/23/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0201893  
 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 \_\_\_\_\_ Code Class yes
4. Identification of System SN Code Class yes
5. (a) Applicable Construction Code B31.1, 1967 Edition  
 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 Engineers			PI-371	1969	Corrected	<input type="checkbox"/>

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 2-22-053

9. Remarks n/a  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**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 [Signature], ASME Program Engineer Date 6/16/05  
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 07 APR 05 to 02 AUG 05, 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 [Signature] Commissions NB 17085 ANI MN 31924  
National Board, Province and Endorsements

Date August 02, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-053

1. Owner Nuclear Management Company, LLC Date 6/16/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0406633, DCP 03RV05  
 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 \_\_\_\_\_ Code Class 1
4. Identification of System RV Code Class 1
5. (a) Applicable Construction Code ASME III, 1998 Edition  
 Addenda 2000 Code Cases \_\_\_\_\_  
 (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
RCGVS Piping				3/4-2RC-36		Installed	<input type="checkbox"/>
RCGVS Piping				1-2RC-83		Installed	<input type="checkbox"/>
RCGVS Piping Support				2-RCGV-2		Corrected	<input type="checkbox"/>
RVLIS Pipping				1-2RC-22		Installed	<input type="checkbox"/>
RVLIS Pipping				3/4-2RC-22		Installed	<input type="checkbox"/>
RVLIS Pipping Support				new		Installed	<input type="checkbox"/>

7. Description of Work Replaced piping and 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 2-22-052

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 5/2/05  
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 16 MAR 05 to 03 MAY 05, 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 [Signature] Commissions NB 12085 ANI MN 21924  
National Board, Province and Endorsements

Date May 03, 2005



**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY**

ITEM 2-22-051

9. Remarks n/a

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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 [Signature], ASME Program Engineer Date 6/23/05  
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 04 APR 05 to 01 JUL 05, 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.

[Signature] Commissions NB 12035 ANI MD 01924  
Inspector's Signature National Board, Province and Endorsements

Date July 01, 2005



PRAIRIE ISLAND NUCLEAR GENERATING PLANT

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

ITEM 2-22-050

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 6/2/05  
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 May 05 to 14 Jun 05, 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 [Signature] Commissions NB 11085 ANI MN 21924  
National Board, Province and Endorsements

Date June 14, 2005



**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY**

ITEM 2-22-049

9. Remarks n/a

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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 [Signature], ASME Program Engineer Date 7/11/05

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 29 MAR 05 to 11 JUL 05, 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 [Signature] Commissions Se 1205 ANI mN21924  
National Board, Province and Endorsements

Date July 11, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-049

1. Owner Nuclear Management Company, LLC Date 7/11/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0501212  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System CS Code Class 2
5. (a) Applicable Construction Code n/a, n/a Edition \_\_\_\_\_  
 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
22 Containment Spray Pump	Ingersoll-Rand	0770118		245-102		Corrected	<input type="checkbox"/>

7. Description of Work Replaced support 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 2-22-048

9. Remarks n/a

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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 [Signature], ASME Program Engineer Date 7/8/05

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 MAR 05 to 28 JUL 05, 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.

[Signature] Commissions NB 12015 ANI MN 21924  
Inspector's Signature National Board, Province and Endorsements

Date July 28, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-048

1. Owner Nuclear Management Company, LLC Date 7/8/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0408498, EEC-1076  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System CS Code Cases 2
5. (a) Applicable Construction Code n/a, n/a Edition \_\_\_\_\_  
 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 Containment Spray Pump	Ingersoll-Rand	1183-15		Spare		Corrected	<input type="checkbox"/>

7. Description of Work Replaced mechanical seal gland plate and gland 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 2-22-046

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 6/29/05

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 29 MAR 05 to 06 JUL 05, 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 [Signature] Commissions NB 12025 AWI MN 21924  
National Board, Province and Endorsements

Date July 06, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-046

1. Owner Nuclear Management Company, LLC Date 6/29/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0406806, DCP 04RC03  
 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 \_\_\_\_\_ Code Class 1
4. Identification of System RC Code Cases 200A / RC 1/6/05 Edition \_\_\_\_\_
5. (a) Applicable Construction Code ASME III, B16.34, Code Cases \_\_\_\_\_  
 Addenda \_\_\_\_\_  
 (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
Pressurizer PORV	Velan	A0547674		MV-32198		Removed	<input type="checkbox"/>
Pressurizer PORV	Anchor Darling	AX384		MV-32198		installed	<input type="checkbox"/>

7. Description of Work Replaced valve.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure NOP psi Test Temp. NOT °F
- Other: \_\_\_\_\_

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 2-22-045

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 6/29/05

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 30 MAR 05 to 06 JUL 05, 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 [Signature] Commissions NB 12085 AWI MD 01924  
National Board, Province and Endorsements

Date July 06, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-045

1. Owner Nuclear Management Company, LLC Date 6/29/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0406803, DCP 04RC03  
 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 \_\_\_\_\_ Code Class 1
4. Identification of System RC Code Class 1
5. (a) Applicable Construction Code ASME III, B16.34, 2001 1st Edition  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_
- (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
Pressurizer PORV	Velan	AD1547041		MV-32197		Removed	<input type="checkbox"/>
Pressurizer PORV	Anchor Darling	AX383		MV-32197		Installed	<input type="checkbox"/>

7. Description of Work Replaced valve.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure NOP psi Test Temp. NOT °F
- Other: \_\_\_\_\_

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 2-22-044

9. Remarks n/a

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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 [Signature], ASME Program Engineer Date 7/14/05

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 01 APR 05 to 09 AUG 05, 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.

[Signature] Commissions NB 17085 ANI MN 21924  
Inspector's Signature National Board, Province and Endorsements

Date August 09, 2005



PRAIRIE ISLAND NUCLEAR GENERATING PLANT

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

ITEM 2-22-043

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 7/14/05  
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 01 APR 05 to 09 AUG 05, 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.

[Signature] Commissions NB 12035 ANI MN 21924  
Inspector's Signature National Board, Province and Endorsements

Date August 09, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-043

1. Owner Nuclear Management Company, LLC Date 7/14/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0408489, 0312044, 0404569  
 Address \_\_\_\_\_ Repair Organization P.O. No., Job No., etc \_\_\_\_\_
3. Work Performed by Westinghouse Type Code Symbol Stamp N  
 Name \_\_\_\_\_ Authorization N-1149  
P.O. Box 355, Pittsburgh, PA, 15230 Expiration Date 11/24/07  
 Address \_\_\_\_\_ Code Class 1
4. Identification of System RC Code Cases 1965 Edition \_\_\_\_\_
5. (a) Applicable Construction Code ASME III Class A, Code Cases n/a  
 Addenda W66  
 (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
22 Steam Generator	Westinghouse	1182	68-40	234-012	1970	Corrected	<input checked="" type="checkbox"/>

7. Description of Work Removed MA600 explosive type tube to tube sheet plugs and installed welded tube sheet plugs.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure 800 psi Test Temp. >70 °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 2-22-042

9. Remarks n/a

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 [Signature]

ASME Program Engineer

Date 6/2/05

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 22 APR 05 to 04 JUN 05, 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.

[Signature]  
Inspector's Signature

Commissions

NB 12085 ANI MN 21924  
National Board, Province and Endorsements

Date

June 01, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-042

1. Owner Nuclear Management Company, LLC Date 6/2/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0501128  
 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 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
Cooling Water Sys. Pipe				10-2CL-39		Corrected	<input type="checkbox"/>

7. Description of Work Replaced flange fasteners for orifice plate connection.
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 2-22-041

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 6/16/05, \_\_\_\_\_  
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 19 APR 05 to 20 JUN 05, 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.

[Signature] Commissions NB 12085 ANI MN 01984  
Inspector's Signature National Board, Province and Endorsements

Date June 20, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-041

1. Owner Nuclear Management Company, LLC Date 6/16/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0501129  
 Address \_\_\_\_\_
3. Work Performed by Owner Repair Organization P.O. No., Job No., etc  
 Name \_\_\_\_\_ Type Code Symbol Stamp N/A  
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 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
Cooling Water Sys. Pipe				10-2CL-44		Corrected	<input type="checkbox"/>

7. Description of Work Replaced Orifice plate and 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 2-22-040

9. Remarks n/a

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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 [Signature], ASME Program Engineer Date 7/6/05

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 01 APR 05 to 12 JUL 05, 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.

[Signature] Commissions NB 1205 ANI MJ 0924  
Inspector's Signature National Board, Province and Endorsements

Date July 12, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-040

1. Owner Nuclear Management Company, LLC Date 7/6/2005  
 Name \_\_\_\_\_
2. Plant Prairie Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0408490  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System SG Code Class 2
5. (a) Applicable Construction Code ASME III Class A, 1965 Edition  
 Addenda W 66 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
21 Steam Generator	Westinghouse	1181	68-39	234-011	1970	Corrected	<input checked="" type="checkbox"/>

7. Description of Work Replaced handhole studs.
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 2-22-038

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 6/21/05  
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 09 MAR 05 to 03 JUN 05, 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.

[Signature] Commissions NB 17085 ANI MD 01924  
Inspector's Signature National Board, Province and Endorsements

Date June 23, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-038

1. Owner Nuclear Management Company, LLC Date 6/21/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0302034  
 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 \_\_\_\_\_ Code Class 3
4. Identification of System AF Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, \_\_\_\_\_ Edition \_\_\_\_\_  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_
- (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
21 MD AFW PMP Suct	Velan	1105		MV-32336		Corrected	<input type="checkbox"/>

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 2-22-037

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 [Signature], ASME Program Engineer Date 6/23/05  
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 30 MAR 05 to 29 JUN 05, 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 [Signature] Commissions NB 12085 ANI MN 21924  
National Board, Province and Endorsements

Date June 29, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-037

1. Owner Nuclear Management Company, LLC Date 6/23/2005  
 Name \_\_\_\_\_  
 2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0406553  
 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 \_\_\_\_\_ Code Class 2  
 4. Identification of System VC Edition \_\_\_\_\_  
 5. (a) Applicable Construction Code B16.34, \_\_\_\_\_ Edition \_\_\_\_\_  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_  
 (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
21 VC Tank relief valve	Crosby	RV2-8120NRP		2VC-24-1	1968	Removed	<input type="checkbox"/>
21 VC Tank relief valve	Crosby	3RV52LNS		2VC-24-1	1968	Installed	<input type="checkbox"/>

7. Description of Work Replaced relief valve for IST testing.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 Other: The replacement valve was subjected to a functional test at the factory.

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 2-22-036

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 6/8/05  
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 14 May 05 to 09 Jun 05, 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.

[Signature] Commissions NB 12095 AWI MN 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 09, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-036

1. Owner Nuclear Management Company, LLC Date 6/8/2005  
 Name \_\_\_\_\_
2. Plant Prairie Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0406545  
 Address \_\_\_\_\_
3. Work Performed by Owner Repair Organization P.O. No., Job No., etc  
 Name \_\_\_\_\_ Type Code Symbol Stamp N/A  
 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 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	8		22S/G04	1969	Removed	<input type="checkbox"/>
SG Snubber Block Valve	McDowell Welman	20		22S/G04	1969	Installed	<input type="checkbox"/>

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 2-22-035

9. Remarks n/a  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**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 [Signature], ASME Program Engineer Date 6/22/05  
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 33 MAR 05 to 22 JUN 05, 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.

[Signature] Commissions SB 12055 ANI MD 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 22, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-035

1. Owner Nuclear Management Company, LLC Date 6/22/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0302163  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System CS Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, Code Cases \_\_\_\_\_  
 Addenda \_\_\_\_\_  
 (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
21 RHR HX to 21 CS PMP Suct. Valve	Aloyco			MV-32108		Corrected	<input type="checkbox"/>

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 2-22-031

9. Remarks n/a  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**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 [Signature], ASME Program Engineer Date 6/24/05  
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 01 MAR 05 to 27 Jun 05, 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 [Signature] Commissions NB 12085 AWI mn 01924  
National Board, Province and Endorsements

Date June 27, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-031

1. Owner Nuclear Management Company, LLC Date 6/24/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0400531  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System VC Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.5, \_\_\_\_\_ Edition \_\_\_\_\_  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_
- (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
LTDN Line to 21 VCT Inlet Relief Valve	Crosby			2VC-25-2		Corrected	<input type="checkbox"/>

7. Description of Work Replaced 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 2-22-030

9. Remarks

n/a

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

7/18/05

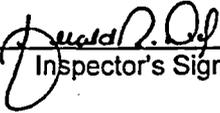
Owner or Owner's Designee, Title

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 JAN 05 to 20 JUL 05, 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 12085 AWI NB 21924  
National Board, Province and Endorsements

Date

July 20, 2005



PRAIRIE ISLAND NUCLEAR GENERATING PLANT

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

ITEM 2-22-029

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 5/31/05  
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 04 JAN 05 to 04 JUN 05, 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.

[Signature] Commissions NB 2085 AWI MW 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 04, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-029

1. Owner Nuclear Management Company, LLC Date 5/31/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0403583  
 Address \_\_\_\_\_
3. Work Performed by Owner Repair Organization P.O. No., Job No., etc  
 Name \_\_\_\_\_ Type Code Symbol Stamp N/A  
 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 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
21 CL Strainer Backwash Valve	Jamesbury			CV-31654	1999	Removed	<input type="checkbox"/>
21 CL Strainer Backwash Valve	Jamesbury			CV-31654	2004	Installed	<input type="checkbox"/>

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 2-22-028

9. Remarks n/a  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**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 [Signature], ASME Program Engineer Date 6/20/05  
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 01 APR 05 to 28 JUN 05, 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.

[Signature] Commissions NB 12085 ANI MN 2924  
Inspector's Signature National Board, Province and Endorsements

Date June 28, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-028

1. Owner Nuclear Management Company, LLC Date 6/20/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0309601, EEC-1366  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System RH Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, Code Cases \_\_\_\_\_  
 Addenda \_\_\_\_\_  
 (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
22 RHR Pmp Dsch. Chk.	Crane			2RH-3-3	1968	Corrected	<input type="checkbox"/>

7. Description of Work Replaced 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 2-22-027

9. Remarks n/a

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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 [Signature], ASME Program Engineer Date 6/24/05  
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 30 MAR 05 to 27 JUN 05, 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 [Signature] Commissions NB 2005 021, MN 01924  
National Board, Province and Endorsements

Date June 27, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-027

1. Owner Nuclear Management Company, LLC Date 6/24/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0404990, EEC-1359  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System RH Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, \_\_\_\_\_ Edition \_\_\_\_\_  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_
- (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
21 RHR Hx tube inlet valve	Crane			2RH-1-4	1968	Corrected	<input type="checkbox"/>

7. Description of Work Replaced 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 2-22-026

9. Remarks n/a

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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 [Signature], ASME Program Engineer Date 6/16/05  
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 01 APR 05 to 01 JUL 05, 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.

[Signature] Commissions NB 17085 AWI mJ 2924  
Inspector's Signature National Board, Province and Endorsements

Date July 01, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-026

1. Owner Nuclear Management Company, LLC Date 6/16/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0309602, EEC-1359  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System RH Edition \_\_\_\_\_
5. (a) Applicable Construction Code B16.34, \_\_\_\_\_ Edition \_\_\_\_\_  
 Addenda \_\_\_\_\_ Code Cases \_\_\_\_\_
- (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
22 RHR Pump Discharge vlv	Crane			2RH-2-1	1968	Corrected	<input type="checkbox"/>

7. Description of Work Replaced 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 2-22-025

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 6/16/05  
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 30 MAR 05 to 17 JUN 05, 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 [Signature] Commissions NB 12085 ADI MJ 9924  
National Board, Province and Endorsements

Date June 17, 2005



PRAIRIE ISLAND NUCLEAR GENERATING PLANT

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

ITEM 2-22-024

9. Remarks n/a

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 [Signature], ASME Program Engineer Date 1/26/05  
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 10 JAN 05 to 08 JAN 05, 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.

[Signature] Commissions NB 1205 ANI MN 01924  
Inspector's Signature National Board, Province and Endorsements

Date January 28, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-024

1. Owner Nuclear Management Company, LLC Date 1/26/2005  
 Name \_\_\_\_\_
2. Plant Prairie Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0409795  
 Address \_\_\_\_\_
3. Work Performed by Owner Repair Organization P.O. No., Job No., etc  
 Name \_\_\_\_\_ Type Code Symbol Stamp N/A  
Same Authorization N/A  
 Address \_\_\_\_\_ Expiration Date N/A
4. Identification of System VC Code Class 2
5. (a) Applicable Construction Code n/a, Edition \_\_\_\_\_  
 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	Goulds					Corrected	<input type="checkbox"/>

7. Description of Work Rebuilt spare charging pump packing assemblies 16, 17, 18.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psl 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 2-22-023

9. Remarks

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\_\_\_\_\_  
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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 [Signature], ASME Program Engineer Date 2/7/05  
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 04 JAN 05 to 17 FEB 05, 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.

[Signature] Commissions DB 1685 ANI MIN 31924  
Inspector's Signature National Board, Province and Endorsements

Date February 07, 2005



**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY**

ITEM 2-22-022

9. Remarks n/a  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**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 [Signature], ASME Program Engineer Date 6/29/05, \_\_\_\_\_  
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 16 FEB 05 to 30 JUN 05, 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.

[Signature] Commissions NB 12085 ANI MN 21924  
Inspector's Signature National Board, Province and Endorsements

Date June 30, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-022

1. Owner Nuclear Management Company, LLC Date 6/29/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0408999  
 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 \_\_\_\_\_ Code Class 2
4. Identification of System VC Code Class 2
5. (a) Applicable Construction Code n/a, n/a Edition \_\_\_\_\_  
 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	Goulds					Corrected	<input type="checkbox"/>

7. Description of Work Replaced plungers in 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 2-22-020

9. Remarks n/a

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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 [Signature], ASME Program Engineer Date 7/8/05  
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 30 MAR 05 to 28 JUL 05, 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.

[Signature] Commissions NB 1685 ANI MD 21924  
Inspector's Signature National Board, Province and Endorsements

Date July 28, 2005



**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIR/ REPLACEMENT ACTIVITY**

ITEM 2-22-019

9. Remarks n/a

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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 [Signature], ASME Program Engineer Date 2/16/05  
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 20 DEC 04 to 16 FEB 05, 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 or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions NB 17085 ANI MN 01924  
Inspector's Signature National Board, Province and Endorsements

Date February 16, 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-019

1. Owner Nuclear Management Company, LLC Date 2/16/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0408554, SPCE-ME-0453  
 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 VC Code Class 2
5. (a) Applicable Construction Code n/a, n/a Edition \_\_\_\_\_  
 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
22 BA Transfer Pump	Goulds	792A192-2		245-032		Corrected	<input type="checkbox"/>

7. Description of Work Replaced the mechanical seal 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 2-22-017

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 [Signature], ASME Program Engineer Date 5/19/05  
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 28 JAN 05 to 10 MAY 05, 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 [Signature] Commissions NB 12085 ANI MAJ 0924  
National Board, Province and Endorsements

Date 4/29/05 2005

**PRAIRIE ISLAND NUCLEAR GENERATING PLANT**

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

ITEM 2-22-017

1. Owner Nuclear Management Company, LLC Date 5/9/2005  
 Name \_\_\_\_\_
2. Plant Praire Island Nuclear Generating Plant Sheet 1 of 2  
 Name \_\_\_\_\_  
1717 Wakonade Dr. E, Welch Minnesota 55089 0300221  
 Address \_\_\_\_\_
3. Work Performed by Owner Repair Organization P.O. No., Job No., etc  
 Name \_\_\_\_\_ Type Code Symbol Stamp N/A  
 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 \_\_\_\_\_ Code Cases \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1998 Thru 2000 Addenda  
 (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
22 CLG WTR Strainer Backwash control valve	Jamesbury			CV-31655	1968	Corrected	<input type="checkbox"/>

7. Description of Work Replaced inlet flange fasteners.
8. Tests conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ ° F
- Other: \_\_\_\_\_

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.

**Section 9. Code Cases and Relief Requests**

The following table lists all Code Cases and Relief Requests that were used during the period of this summary report.

<u>RELIEF REQUESTS</u>	<u>DESCRIPTION</u>
	Alignment of Unit 1 and 2 Ten Year Inspection and Testing Interval Dates
<u>ALTERNATIVE TESTING</u>	<u>DESCRIPTION</u>
2-RR 4-2	Alternative Examination Requirements for the Regenerative Heat Exchangers
2-RR 4-3	VT-1 Examination of Bolting
2-RR 4-4	Reactor Vessel Head Leak-off Line
<u>CODE CASE #</u>	<u>DESCRIPTION</u>
N-460	Alternative Examination Coverage for Class 1 and Class 2 Welds
N-498-4	Alternative Requirements for 10-Year System Hydrostatic Testing for Class 1, 2, and 3 Systems
N-521	Alternative Rules for Deferral of Inspections of Nozzle-to-Vessel Welds, Inside Radius Sections, and Nozzle-to-Safe End Welds of Pressurized Water Reactor (PWR) Vessel
N-522	Pressure Testing of Containment Penetration Piping
N-526	Alternative Requirements for Successive Inspections of Class 1 and 2 Vessels
N-533-1	Alternative Requirements for VT-2 Visual Examination of Class 1, 2, and 3 Insulated Pressure-Retaining Bolted Connections
N-566-1	Corrective Action for Leakage Identified at Bolted Connections
N-624	Successive Inspections