February 15, 2005

ASME, Section XI, Article IWA-6000

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

Palisades Nuclear Plant
Docket 50-255
License No. DPR-20

ASME Section XI Inservice Inspection 90-Day Report

By enclosure to this letter, Nuclear Management Company, LLC (NMC) is providing the report for the Inservice Testing Program of Palisades Plant Technical Specification 5.5.7. The American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Article IWA-6000 requires that inservice inspection reports be submitted within 90 days following the completion of the most recent refueling outage. The most recent refueling outage for Palisades was completed on November 17, 2004.

Summary of Commitments

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

Daniel J. Malone
Site Vice President, Palisades Nuclear Plant
Nuclear Management Company, LLC

Enclosure

CC Administrator, Region III, USNRC
Project Manager, Palisades, USNRC
Resident Inspector, Palisades, USNRC

A047

ENCLOSURE 1

NUCLEAR MANAGEMENT COMPANY
PALISADES NUCLEAR PLANT
DOCKET 50-255

February 15, 2005

INSERVICE INSPECTION (ISI) OF CLASS 1, 2 AND 3 SYSTEMS

ISI Report 3-7

65 Pages Follow

PALISADES NUCLEAR PLANT
ENGINEERING PROGRAMS DEPARTMENT

Review and Approval Summary

TITLE: ISI REPORT 3-7

1/24/2005

ISI Engineer / MWAcker Date

1/24/2005

ASME Programs and Valves Supervisor / DRWilliams Date

1/24/05

Engineering Programs Manager / THFouty Date

PALISADES NUCLEAR PLANT

2004 INSERVICE INSPECTION REPORT

Submitted in accordance with the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel (B&PV) Code, Section XI, Article IWA-6000, 1989 Edition.

1. Date: February 15, 2005

2. Plant Owner: Consumers Energy
   212 West Michigan Avenue
   Jackson, Michigan 49201

3. Plant: Palisades Nuclear Plant
   27780 Blue Star Memorial Highway
   Covert, Michigan 49043

4. Unit No: 1

5. Commercial Service Date: December 31, 1971

6. Major Components Inspected:

Component	Manufacturer	Mfg Serial No.	State No.	National Board No.
Pressurizer	Combustion Eng	CE-66601	M96728M	NB20851
RPV Head	Combustion Eng	CE-66110	M96725M	NB20827

7. Completion Date for Inspections: November 17, 2004

8. Code Inspector: Kenneth L Blake

9. Authorized Inspection Agency: Hartford Steam Boiler

10. Abstract: See ISI Report

2004 INSERVICE INSPECTION 3-7
PALISADES NUCLEAR PLANT

Summary

Inservice Inspection 3-7 was conducted during the period of April 18, 2003, through November 17, 2004, in accordance with Section 5.5.7 of the Palisades Nuclear Plant Technical Specifications. The American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel (B&PV) Code, Section XI, 1989 Edition controlled the inspections and provided the acceptance criteria for these examinations. Included in this report are two separate sections. Section 1 details the examinations that were performed and provides the final inspection results. Section 2 provides a listing of the repairs and replacements that have been performed over the last operating cycle and during the refueling outage. The attached NIS-2 forms document these repairs and replacements.

Inspection Activities

This was the first examination of the third period of the third inspection interval. Areas examined during this inspection included reactor vessel head penetrations and pressurizer penetrations. Various components of the primary coolant system, engineered safeguards system, main steam system, main feedwater system and support systems, as identified in the attached Non-destructive Examination (NDE) Results Summary Report, were also examined.

The examinations were performed using ultrasonic (UT), liquid penetrant (PT), and visual techniques. The examinations were conducted by the Consumers Energy non-destructive testing (NDT) services department, and Framatome ANP examination personnel, using site-approved procedures. Examinations were performed by personnel qualified in the NDT process, in accordance with the requirements of ASME Section XI, IWA-2300.

SECTION 1

EXAMINATION DETAILS AND FINAL INSPECTION RESULTS

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

1. Owner Consumers Energy, 212 West Michigan Ave, Jackson, MI 49201
(Name and Address of Owner)

2. Plant Palisades Nuclear Plant, 27780 Blue Star Memorial Hwy, Covert, MI 49043
(Name and Address of Plant)

3. Plant Unit 1 4. Owner Certificate of Authorization (if required) n/a

5. Commercial Service Date 12/31/1971 6. National Board Number for Unit NB20827

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
RPV Head	Combustion Engineering	CE-66110	M96725M	NB20827
Pressurizer	Combustion Engineering	CE-66601	M96728M	NB20851
	SEE "NDE RESULTS SUMMARY"			
	REPORT (ATTACHED)			

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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 the number of sheets is recorded at the top of this form.

FORM NIS-1 (Back)

8. Examination Dates 4/18/2003 to 11/17/2004 9. Inspection Interval from 5/12/1995 to 12/12/2006

10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. See ISI Report "NDE Results Summary"

11. Abstract of Conditions Noted
See ISI Report "NDE Results Summary"

12. Abstract of Corrective Measures Recommended and Taken
See ISI Report "NDE Results Summary"

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) n/a Expiration Date n/a

Date January 24, 2005 Signed Consumers Energy By [signature] /NMC
Owner

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17, 2004, 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 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 a loss of any kind arising from or connected with this inspection.

[signature] Commissions MI 300762
Inspector's Signature National Board, State, Province, and Endorsements

Date JANUARY 24 2005

(12/82)

NDE RESULTS SUMMARY

Category	System	Component ID	Configuration	Disposition	Exam	Comments
AUG						
	ESS					
		ESS-24-SIS-SH1-207	Check Valve CK-ES3181 to Pipe	Acceptable	UT/PT	
		ESS-24-SIS-SH2-207	Check Valve CK-ES 3166 to Tee	Acceptable	UT/PT	
	FWS					
		FWS-3-AWS-1S1-258	Elbow to Pipe	Acceptable	UT	
		FWS-3-AWS-1S1-259	Pipe to Safe End	Acceptable	UT	
		FWS-3-AWS-1S1-260	Safe End to Nozzle	Acceptable	UT	
		FWS-3-AWS-2S1-253	Elbow to Pipe	Acceptable	UT	
		FWS-3-AWS-2S1-254	Pipe to Safe End	Acceptable	UT	
		FWS-3-AWS-2S1-255	Safe End to Nozzle	Acceptable	UT	
		FWS-4-AWS-1S1-257	Pipe to Elbow	Acceptable	UT	
		FWS-4-AWS-2S1-252	Pipe to Elbow	Acceptable	UT	
	PCS					
		PCS-042 Weld 1	TE-0111H (Hot Leg TE)	Acceptable	BM Visual	
		PCS-042 Weld 2	TE-0112HC (Hot Leg TE)	Acceptable	BM Visual	
		PCS-042 Weld 3	TE-0112HA (Hot Leg TE)	Acceptable	BM Visual	
		PCS-042 Weld 4	TE-0112HD (Hot Leg TE)	Acceptable	BM Visual	
		PCS-042 Weld 5	TE-0112HB (Hot Leg TE)	Acceptable	BM Visual	
		PCS-042 Weld 6	TE-0121H (Hot Leg TE)	Acceptable	BM Visual	
		PCS-042 Weld 7	TE-0122HC (Hot Leg TE)	Acceptable	BM Visual	
		PCS-042 Weld 8	TE-0122HD (Hot Leg TE)	Acceptable	BM Visual	
		PCS-042 Weld 9	TE-0122HA (Hot Leg TE)	Acceptable	BM Visual	
		PCS-042 Weld 10	TE-0122HB (Hot Leg TE)	Acceptable	BM Visual	
		PCS-043 Weld 1	TE-0111A (Cold Leg TE)	Acceptable	BM Visual	
		PCS-043 Weld 2	TE-0112CC (Cold Leg TE)	Acceptable	BM Visual	
		PCS-043 Weld 3	TE-0112CA (Cold Leg TE)	Acceptable	BM Visual	
		PCS-043 Weld 4	TE-0111B (Cold Leg TE)	Acceptable	BM Visual	

Category	System	Component ID	Configuration	Disposition	Exam	Comments
		PCS-043 Weld 5	TE-0122CD (Cold Leg TE)	Acceptable	BM Visual	
		PCS-043 Weld 6	TE-0122CB (Cold Leg TE)	Acceptable	BM Visual	
		PCS-043 Weld 7	TE-0122CA (Cold Leg TE)	Acceptable	BM Visual	
		PCS-043 Weld 8	TE-0122CC (Cold Leg TE)	Acceptable	BM Visual	
		PCS-043 Weld 9	TE-0121A (Cold Leg TE)	Acceptable	BM Visual	
		PCS-043 Weld 10	TE-0122CB (Cold Leg TE)	Acceptable	BM Visual	
		PCS-043 Weld 11	TE-0122CD (Cold Leg TE)	Acceptable	BM Visual	
		PCS-043 Weld 12	TE-0121B (Cold Leg TE)	Acceptable	BM Visual	
		PCS-12-SCS-2H1-1	Nozzle to Safe End	Acceptable	UT	
		PCS-12-SCS-2H1-2	Safe End to Elbow	Acceptable	UT	
		PCS-2-PSS-1P1-55	Pipe to Reducer	Acceptable	UT*/PT	
		PCS-4-PRS-1P1-1A	PORV - Safe End to Pipe	Acceptable	UT	
		PCS-72-RCL-2A	P-50C Flywheel	Acceptable	UT	
	PZR					
		PCS-4-PRS-1P1-1	PORV - Nozzle to Safe End	Acceptable	UT BM Visual	
		PCS-4-PRS-1P1-1A	PORV - Safe End to Pipe	Acceptable	UT BM Visual	
		PCS-4-PSS-1P1-20	SPRAY - Elbow to Safe End	Acceptable	UT	
		PCS-4-PSS-1P1-21	SPRAY - Safe End to Nozzle	Acceptable	UT	
		Pressurizer Heater Sleeves	J-Welds (120 Penetrations)	Acceptable	BM Visual	
		Pressurizer T-72 Weld TE-0101	Upper Temperature Element	Acceptable	BM Visual	
		PRZ RV-1039	Nozzle to Safe End	Acceptable	BM Visual	
		PRZ RV-1040	Nozzle to Safe End	Acceptable	BM Visual	
		PRZ RV-1041	Nozzle to Safe End	Acceptable	BM Visual	
		PZR-002 Weld 1 (LT-0103)	Nozzle to Safe End	Acceptable	BM Visual	
		PZR-002 Weld 2 (LT-0103)	Safe End to Pipe	Acceptable	BM Visual	
		PZR-002 Weld 7 (LT-0103)	Nozzle to Safe End	Acceptable	BM Visual	
		PZR-002 Weld 8 (LT-0103)	Safe End to Pipe	Acceptable	BM Visual	
		PZR-003 Weld 1 (LT-0102)	Nozzle to Safe End	Acceptable	BM Visual	

Category	System	Component ID	Configuration	Disposition	Exam	Comments
		PZR-003 Weld 2 (LT-0102)	Safe End to Pipe	Acceptable	BM Visual	
		PZR-003 Weld 7 (LT-0102)	Nozzle to Safe End	Acceptable	BM Visual	
		PZR-003 Weld 8 (LT-0102)	Safe End to Pipe	Acceptable	BM Visual	
		PZR-004 Weld 1 (LT-0101B)	Nozzle to Safe End	Acceptable	BM Visual	
		PZR-004 Weld 2 (LT-0101B)	Safe End to Pipe	Acceptable	BM Visual	
		PZR-004 Weld 7 (LT-0101B)	Nozzle to Safe End	Acceptable	BM Visual	
		PZR-004 Weld 8 (LT-0101B)	Safe End to Pipe	Acceptable	BM Visual	
		PZR-005 Weld 1 (LT-0101A)	Nozzle to Safe End	Acceptable	BM Visual	
		PZR-005 Weld 2 (LT-0101A)	Safe End to Pipe	Acceptable	BM Visual	
		PZR-005 Weld 7 (LT-0101A)	Nozzle to Safe End	Acceptable	BM Visual	
		PZR-005 Weld 8 (LT-0101A)	Safe End to Pipe	Acceptable	BM Visual	
		TE-0102	(Pad Weld)	Acceptable	BM Visual	
	RVH					
		119-01-A	CRD-01 J-Weld	Acceptable	UT BM Visual	
		119-02-A	CRD-02 J-Weld	Acceptable	UT BM Visual	
		119-03-A	CRD-03 J-Weld	Acceptable	UT BM Visual	
		119-04-A	CRD-04 J-Weld	Acceptable	UT BM Visual	
		119-05-A	CRD-05 J-Weld	Acceptable	UT BM Visual	
		119-06-A	CRD-06 J-Weld	Acceptable	UT BM Visual	
		119-07-A	CRD-07 J-Weld	Acceptable	UT BM Visual	
		119-08-A	CRD-08 J-Weld	Acceptable	UT BM Visual	
		119-09-A	CRD-09 J-Weld	Acceptable	UT BM Visual	
		119-10-A	CRD-10 J-Weld	Acceptable	UT BM Visual	
		119-11-A	CRD-11 J-Weld	Acceptable	UT BM Visual	
		119-12-A	CRD-12 J-Weld	Acceptable	UT BM Visual	
		119-13-A	CRD-13 J-Weld	Acceptable	UT BM Visual	
		119-14-A	CRD-14 J-Weld	Acceptable	UT BM Visual	
		119-15-A	CRD-15 J-Weld	Acceptable	UT BM Visual	

Category	System	Component ID	Configuration	Disposition	Exam	Comments
		119-16-A	CRD-16 J-Weld	Acceptable	UT BM Visual	
		119-17-A	CRD-17 J-Weld	Acceptable	UT BM Visual	
		119-18-A	CRD-18 J-Weld	Acceptable	UT BM Visual	
		119-19-A	CRD-19 J-Weld	Acceptable	UT BM Visual	
		119-20-A	CRD-20 J-Weld	Acceptable	UT BM Visual	
		119-21-A	CRD-21 J-Weld	Acceptable	UT BM Visual	
		119-22-A	CRD-22 J-Weld	Acceptable	UT BM Visual	
		119-23-A	CRD-23 J-Weld	Acceptable	UT BM Visual	
		119-24-A	CRD-24 J-Weld	Acceptable	UT BM Visual	
		119-25-A	CRD-25 J-Weld	Acceptable	UT BM Visual	
		119-26-A	CRD-26 J-Weld	Acceptable	UT BM Visual	
		119-27-A	CRD-27 J-Weld	Acceptable	UT BM Visual	
		119-28-A	CRD-28 J-Weld	Acceptable	UT BM Visual	
		119-29-A	CRD-29 J-Weld	Acceptable	UT BM Visual	Weld 119-29-A no longer pressure retaining- new weld 119-29-AR installed with Acceptable results
		119-30-A	CRD-30 J-Weld	Acceptable	UT BM Visual	Weld 119-30-A no longer pressure retaining- new weld 119-30-AR installed with Acceptable results
		119-31-A	CRD-31 J-Weld	Acceptable	UT BM Visual	
		119-32-A	CRD-32 J-Weld	Acceptable	UT BM Visual	
		119-33-A	CRD-33 J-Weld	Acceptable	UT BM Visual	
		119-34-A	CRD-34 J-Weld	Acceptable	UT BM Visual	
		119-35-A	CRD-35 J-Weld	Acceptable	UT BM Visual	
		119-36-A	CRD-36 J-Weld	Acceptable	UT BM Visual	
		119-37-A	CRD-37 J-Weld	Acceptable	UT BM Visual	
		119-38-A	CRD-38 J-Weld	Acceptable	UT BM Visual	
		119-39-A	CRD-39 J-Weld	Acceptable	UT BM Visual	
		119-40-A	CRD-40 J-Weld	Acceptable	UT BM Visual	
		119-41-A	CRD-41 J-Weld	Acceptable	UT BM Visual	
		119-42-A	CRD-42 J-Weld	Acceptable	UT BM Visual	

Category	System	Component ID	Configuration	Disposition	Exam	Comments
		119-43-A	CRD-43 J-Weld	Acceptable	UT BM Visual	
		119-44-A	CRD-44 J-Weld	Acceptable	UT BM Visual	
		119-45-A	CRD-45 J-Weld	Acceptable	UT BM Visual	
		119-46	ICI-6 J-Weld	Acceptable	UT BM Visual	
		119-47	ICI-7 J-Weld	Acceptable	UT BM Visual	
		119-48	ICI-8 J-Weld	Acceptable	UT BM Visual	
		119-49	ICI-1 J-Weld	Acceptable	UT BM Visual	
		119-50	ICI-2 J-Weld	Acceptable	UT BM Visual	
		119-51	ICI-3 J-Weld	Acceptable	UT BM Visual	
		119-52	ICI-4 J-Weld	Acceptable	UT BM Visual	
		119-53	ICI-5 J-Weld	Acceptable	UT BM Visual	
		RPV Vent Line	J-Weld	Acceptable	UT BM Visual	
B-B						
	PZR					
		Pressurizer T-72 Weld 2-983	Upper Head Circumferential Weld	Acceptable	UT	
B-G-2						
	RVH					
		CRDM No. 01	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 01N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 02	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 02N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 03	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 03N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 04	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 04N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 05	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 05N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 06	Reactor Vessel CRDM Bolts	Acceptable	VT-1	

Category	System	Component ID	Configuration	Disposition	Exam	Comments
		CRDM No. 06N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 07	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 07N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 08	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 08N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 09	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 09N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 10	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 10N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 11	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 11N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 12	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 12N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 25	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 25N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 26	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 26N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 27	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 27N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 28	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 28N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 29	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 29N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 30	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 30N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 31	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 31N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 32	Reactor Vessel CRDM Bolts	Acceptable	VT-1	

Category	System	Component ID	Configuration	Disposition	Exam	Comments
		CRDM No. 32N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 33	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 33N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 34	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 34N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 35	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 35N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 36	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 36N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 37	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 37N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 38	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 38N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 39	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 39N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 40	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 40N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
		CRDM No. 41	Reactor Vessel CRDM Bolts	Acceptable	VT-1	
		CRDM No. 41N	Reactor Vessel CRDM Nuts	Acceptable	VT-1	
B-P						
	PCS					
		Heat Exchangers		Acceptable	VT-2	
		Piping		Acceptable	VT-2	
		Pressurizer		Acceptable	VT-2	
		Pumps		Acceptable	VT-2	
		Reactor Vessel		Acceptable	VT-2	
		Steam Generator		Acceptable	VT-2	
		Valves		Acceptable	VT-2	

Category	System	Component ID	Configuration	Disposition	Exam	Comments
C-H						
	ESS					
		Containment Sump		Acceptable	VT-2	
		ESS Pump Suction		Acceptable	VT-2	
		High Pressure Safety Injection System		Acceptable	VT-2	
	PCS					
		PASM and PCS Sampling System		Acceptable	VT-2	
	SDC					
		Shutdown Cooling System		Acceptable	VT-2	
F-A						
	CVC					
		CCS-10-ASH-1P1-PR1A(H7.2A)	Pipe Restraint	Acceptable	VT-3	
		CCS-14-ASH-1P1-PR2(H5.1)	Pipe Restraint	Acceptable	VT-3	
		CVC-2-CHL-1A2-1APR(H-2.8)	Pipe Restraint	Acceptable	VT-3	
		CVC-2-CHL-2A1-39PR1(H-3.18)	Pipe Restraint	Acceptable	VT-3	
		CVC-2-CHL-2A1-7PRA(H-3.3)	Pipe Restraint	Acceptable	VT-3	
		CVC-2-LDL-2B1-20PR(H-2.1)	Pipe Restraint	Acceptable	VT-3	
		CVC-2-LDL-2B2-21PR(H-1.7)	Pipe Restraint	Acceptable	VT-3	
		CVC-2-PSS-1P1-32PRE(H-4.10)	Pipe Restraint	Acceptable	VT-3	
		CVC-2-PSS-1P1-52PRB(H-4.1)	Pipe Restraint	Acceptable	VT-3	
	ESS					
		ESS-10-SIS-LPA-230PR(H162)	Pipe Restraint	Acceptable	VT-3	
		ESS-10-SIS-LPA-231PR(H164)	Pipe Restraint	Acceptable	VT-3	
		ESS-2-LTC-1B-26PR(H-732)	Pipe Restraint	Acceptable	VT-3	
		ESS-3-SIS-LRA-205PR(H1B)	Pipe Restraint	Acceptable	VT-3	
		ESS-4-SIS-HPB-212PR(H201.1)	Pipe Restraint	Acceptable	VT-3	
		ESS-6-SIS-1A1-3PR(H-703.4)	Pipe Restraint	Acceptable	VT-3	
		ESS-8-CSS-1PA-212PR2(H125)	Pipe Restraint	Acceptable	VT-3	

Category	System	Component ID	Configuration	Disposition	Exam	Comments
		ESS-8-CSS-1PA-216PR(H123)	Pipe Restraint	Acceptable	VT-3	
		ESS-8-CSS-1PA-218PR(R121.1)	Pipe Restraint	Acceptable	VT-3	
		ESS-8-CSS-SLA-231PR1(R883.4)	Pipe Restraint	Acceptable	VT-3	
		ESS-8-CSS-SLA-234PR1(R884.9)	Pipe Restraint	Acceptable	VT-3	
		ESS-8-CSS-SLA-240PR2(H892)	Pipe Restraint	Acceptable	VT-3	
		ESS-8-SIS-1A6-202PSS(H701)	Pipe Support Structure	Acceptable	VT-3	
	MSS					
		MSS-36-MSL-1S1-202PR(H14)	Pipe Restraint	Acceptable	VT-3	
		MSS-8-MSV-2S2-208PR3(R55.1)	Pipe Restraint	Acceptable	VT-3	
	PCS					
		PCS-12-PSL-1H1-5PRA(H-536)	Pipe Restraint	Acceptable	VT-3	
		PCS-3-PSS-1B1-4PRB(H-18)	Pipe Restraint	Acceptable	VT-3	
	SFP					
		SFP-10-FPP-1PA-PR1(H84)	Pipe Restraint	Acceptable	VT-3	
		SFP-10-FPP-1PB-PR2(R85.1A)	Pipe Restraint	Acceptable	VT-3	
		SFP-12-SFX-SL1-PR1(H89.1)	Pipe Restraint	Acceptable	VT-3	
	SWS					
		SWS-10-CRS-RL4-PR2(H274)	Pipe Restraint	Acceptable	VT-3	
		SWS-6-CRS-2R2-PSS1(H298)	Pipe Support Structure	Acceptable	VT-3	
R-A						
	AFW					
		Segment AFW-010		Acceptable	VT-2	
		Segment AFW-011		Acceptable	VT-2	
		Segment AFW-012		Acceptable	VT-2	
		Segment AFW-016		Acceptable	VT-2	
		Segment AFW-018		Acceptable	VT-2	
	BLD					
		Segment BLD-003		Acceptable	VT-2	

Category	System	Component ID	Configuration	Disposition	Exam	Comments
		Segment BLD-004		Acceptable	VT-2	
		Segment BLD-005A		Acceptable	VT-2	
		Segment BLD-006A		Acceptable	VT-2	
	CBA					
		Segment CBA-012		Acceptable	VT-2	
	CWS					
		Segment CWS-011		Acceptable	VT-2	
		Segment CWS-012		Acceptable	VT-2	
	FWS					
		AFW-016 Weld 251	Elbow to Pipe	Acceptable	UT	
		AFW-016 Weld 252	Pipe to Elbow	Acceptable	UT	
		AFW-016 Weld 253	Elbow to Pipe	Acceptable	UT	
		AFW-016 Weld 254	Pipe to Safe End	Acceptable	UT	
		AFW-016 Weld 255	Safe End to Nozzle	Acceptable	UT	
		AFW-018 Weld 256	Elbow to Pipe	Acceptable	UT	
		AFW-018 Weld 257	Pipe to Elbow	Acceptable	UT	
		AFW-018 Weld 258	Elbow to Pipe	Acceptable	UT	
		AFW-018 Weld 259	Pipe to Safe End	Acceptable	UT	
		AFW-018 Weld 260	Safe End to Nozzle	Acceptable	UT	
	LPI					
		Segment LPI-001A		Acceptable	VT-2	
		Segment LPI-002A		Acceptable	VT-2	
		Segment LPI-003A		Acceptable	VT-2	
		Segment LPI-004A		Acceptable	VT-2	
	MSS					
		Segment MSS-048		Acceptable	VT-2	
		Segment MSS-049		Acceptable	VT-2	
	NSW					

Category	System	Component ID	Configuration	Disposition	Exam	Comments
		Segment NSW-005		Acceptable	VT-2	
	PCS					
		PCS-039 Weld 1	Nozzle to Safe End	Acceptable	UT	
		PCS-039 Weld 2	Safe End to Elbow	Acceptable	UT	
		PCS-039 Weld 6	Pipe to Elbow	Acceptable	UT	
		Segment PCS-011		Acceptable	VT-2	
		Segment PCS-012		Acceptable	VT-2	
		Segment PCS-013		Acceptable	VT-2	
		Segment PCS-014		Acceptable	VT-2	
		Segment PCS-015		Acceptable	VT-2	
		Segment PCS-016		Acceptable	VT-2	
		Segment PCS-017		Acceptable	VT-2	
		Segment PCS-018		Acceptable	VT-2	
		Segment PCS-019A		Acceptable	VT-2	
		Segment PCS-019B		Acceptable	VT-2	
		Segment PCS-020A		Acceptable	VT-2	
		Segment PCS-020B		Acceptable	VT-2	
		Segment PCS-021A		Acceptable	VT-2	
		Segment PCS-021B		Acceptable	VT-2	
		Segment PCS-022A		Acceptable	VT-2	
		Segment PCS-022B		Acceptable	VT-2	
		Segment PCS-023		Acceptable	VT-2	
		Segment PCS-026		Acceptable	VT-2	
		Segment PCS-027		Acceptable	VT-2	
		Segment PCS-034A		Acceptable	VT-2	
		Segment PCS-040		Acceptable	VT-2	
		Segment PCS-041		Acceptable	VT-2	
		Segment PCS-042		Acceptable	VT-2	

Category	System	Component ID	Configuration	Disposition	Exam	Comments
		Segment PCS-043		Acceptable	VT-2	
	PZR					
		PZR-009 Weld 1	PORV - Nozzle to Safe End	Acceptable	UT	
		PZR-009 Weld 1A	PORV - Safe End to Pipe	Acceptable	UT	
		PZR-009 Weld 3	Pipe to Elbow	Acceptable	UT	
		PZR-015 Weld 19	Pipe to Elbow	Acceptable	UT	
		PZR-015 Weld 20	SPRAY - Elbow to Safe End	Acceptable	UT	
		PZR-015 Weld 21	SPRAY - Safe End to Nozzle	Acceptable	UT	
		Segment PZR-002		Acceptable	VT-2	
		Segment PZR-003		Acceptable	VT-2	
		Segment PZR-004		Acceptable	VT-2	
		Segment PZR-005		Acceptable	VT-2	
		Segment PZR-006		Acceptable	VT-2	
		Segment PZR-007		Acceptable	VT-2	
		Segment PZR-008		Acceptable	VT-2	
		Segment PZR-009		Acceptable	VT-2	
		Segment PZR-010		Acceptable	VT-2	
		Segment PZR-014A		Acceptable	VT-2	
		Segment PZR-015		Acceptable	VT-2	
		Segment PZR-018		Acceptable	VT-2	
		Segment PZR-019		Acceptable	VT-2	
		Segment PZR-020		Acceptable	VT-2	
	SDC					
		Segment SDC-002B1		Acceptable	VT-2	
		Segment SDC-005		Acceptable	VT-2	
		Segment SDC-006		Acceptable	VT-2	
		Segment SDC-009		Acceptable	VT-2	
		Segment SDC-0011A2		Acceptable	VT-2	

Category	System	Component ID	Configuration	Disposition	Exam	Comments
		Segment SDC-0012A2		Acceptable	VT-2	
	SSS					
		Segment SSS-001A		Acceptable	VT-2	
		Segment SSS-001B		Acceptable	VT-2	
		Segment SSS-002A		Acceptable	VT-2	
		Segment SSS-002B		Acceptable	VT-2	
		Segment SSS-005A		Acceptable	VT-2	
		Segment SSS-006A		Acceptable	VT-2	
		Segment SSS-007		Acceptable	VT-2	
		Segment SSS-008A		Acceptable	VT-2	
		Segment SSS-009		Acceptable	VT-2	

SECTION 2

ASME SECTION XI
REPAIRS AND REPLACEMENTS

ASME Section XI Repairs and Replacements

The following is a list of the repairs or replacements, which have been performed through the restart from the 2004 refueling outage, for which NIS-2 forms are attached.

	Work Order	Description of Work
1.	24110781	Replaced Valve MV-SFP101
2.	24110518	Replaced Valve MV-SFP102
3.	24110552	Replaced Valve MV-SFP103
4.	24110782	Replaced Valve MV-SFP104
5.	24422506	Replaced Valve CK-CVC2114
6.	24211866	Repaired RVH CRDM Penetrations 29 and 30
7.	24322215	Replaced Fasteners on Containment Penetration MZ-18A
8.	24322720	Replaced Snubber SNB-62
9.	24322718	Replaced Snubber SNB-68
10.	24321117	Replaced Snubber SNB-80
11.	24422766	Replaced Snubber SNB-79 bolting
12.	24210555	Replaced Stem and Disc on Valve MO-3011
13.	24110546	MV-SW135
14.	24323635	CK-ES3339
15.	24422559	E-50A
16.	24110866	Replaced Bonnet Bolt on Valve CV-0872
17.	24322390	RV-1040
18.	24422966	Repaired Damaged Gasket Area for Seal Housing CRD-12
19.	24323693	Plug 15 tubes in the "A" Steam Generator
20.	24323694	Plug 3 tubes in the "B" Steam Generator
21.	24212130	Replace Fasteners on VHX-2 Flange
22.	24322358	Repaired Inlet Flange on RV-0722

PALISADES NUCLEAR POWER PLANT

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

ITEM 24110781

1. Owner Consumers Energy Company — Name — Date 1/5/2005

2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2

27780 Blue Star Highway, Covert, MI 49043 — Address — WO#24110781 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Nuclear Management Company, LLC — Name — Type Code Symbol Stamp N/A

27780 Blue Star Hwy, Covert, MI 49043 — Address — Authorization N/A

Expiration Date N/A

4. Identification of System SFP — Code Class Class 3

5. (a) Applicable Construction Code ASME 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MV-SFP101	AC Service & Repair Inc	S/N 01	n/a	PO# G0254244	1998	Installed	No

7. Description of Work Replace Valve MV-SFP101 (Fuel Pool Cooling Pump P-51A Suction 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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24110781

9. Remarks

None

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 N/A

Signed Michael V. Ash, ASME Program Engineer Date January 5, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

L L Blake Commissions MI 300762

Inspector's Signature National Board, Province and Endorsements

Date JANUARY 5, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24110518

1. Owner Consumers Energy Company — Date 1/5/2005
   Name
2. Plant Palisades Nuclear Power Plant — Sheet 1 of 2
   Name
   27780 Blue Star Highway, Covert, MI 49043 — WO#24110518
   Address — Repair Organization P.O. No., Job No., etc
3. Work Performed by Nuclear Management Company, LLC — Type Code Symbol Stamp N/A
   Name — Authorization N/A
   27780 Blue Star Hwy, Covert, MI 49043 — Expiration Date N/A
   Address
4. Identification of System SFP — Code Class Class 3
5. (a) Applicable Construction Code ASME B31.1 , 1989 Edition 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MV-SPF102	AC Service & Repair	S/N 01	n/a	PO# P029273	2003	Installed	No

7. Description of Work Replace Valve MV-SFP102 (Spent Fuel Pool Cooling Pump P-51A Discharge 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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24110518

9. Remarks

None

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 N/A

Signed Michael V. Ashe, ASME Program Engineer Date January 5, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

K. L. Blake Commissions MI 300762

Inspector's Signature National Board, Province and Endorsements

Date January 5, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24110552

1. Owner Consumers Energy Company — Date 1/5/2005
   Name
2. Plant Palisades Nuclear Power Plant — Sheet 1 of 2
   Name
   27780 Blue Star Highway, Covert, MI 49043 — WO#24110552
   Address — Repair Organization P.O. No., Job No., etc
3. Work Performed by Nuclear Management Company, LLC — Type Code Symbol Stamp N/A
   Name — Authorization N/A
   27780 Blue Star Hwy, Covert, MI 49043 — Expiration Date N/A
   Address
4. Identification of System SFP — Code Class Class 3
5. (a) Applicable Construction Code ASME B31.1 , 1989 Edition 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MV-SFP103	AC Service & Repair Inc	S/N 01	n/a	PO# P800438	2004	Installed	No

7. Description of Work Replaced Valve MV-SFP103 (Suction Valve for Spent Fuel Pool Cooling Pump P-51B)
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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24110552

9. Remarks

None

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 N/A

Signed Michael W. Ashe, ASME Program Engineer Date January 5, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

K L Blake Commissions MI 300762

Inspector's Signature National Board, Province and Endorsements

Date JANUARY 5, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24110782

1. Owner Consumers Energy Company — Date 1/5/2005
   Name
2. Plant Palisades Nuclear Power Plant — Sheet 1 of 2
   Name
   27780 Blue Star Highway, Covert, MI 49043 — WO#24110782
   Address — Repair Organization P.O. No., Job No., etc
3. Work Performed by Nuclear Management Company, LLC — Type Code Symbol Stamp N/A
   Name — Authorization N/A
   27780 Blue Star Hwy, Covert, MI 49043 — Expiration Date N/A
   Address
4. Identification of System SFP — Code Class Class 3
5. (a) Applicable Construction Code ASME 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MV-SFP104	AC Service & Repair	S/N 01	n/a	PO# P800437	2004	Installed	No

7. Description of Work: Replace valve MV-SFP104 (Spent Fuel Pool Cooling Pump P-51B Discharge)
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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24110782

9. Remarks

None

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 N/A

Signed Michael W. Ashe, ASME Program Engineer Date January 5, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

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K.J. Blake — Commissions MI 300762

Inspector's Signature — National Board, Province and Endorsements

Date January 5, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24422506

1. Owner Consumers Energy Company — Name — Date 1/4/2005

2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2

27780 Blue Star Highway, Covert, MI 49043 — Address — WO#24422506 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Nuclear Management Company, LLC — Name — Type Code Symbol Stamp N/A

27780 Blue Star Hwy, Covert, MI 49043 — Address — Authorization N/A

Expiration Date N/A

4. Identification of System Chemical and Volume Control — Code Class Class 1

5. (a) Applicable Construction Code ANSI 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 N-416-1

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Charging Line Loop-1A Check	Flowserve-Edward	25AIT	n/a	G0205574Q	1996	Installed	No
2" Elbow	Dubose Steel, Inc.	n/a	n/a	PO# 5026-9257 Item 2	1989	Installed	No
2" Elbow	Dubose Steel, Inc.	n/a	n/a	PO# 5030-4379Q Item 6	1991	Installed	No
2" Pipe	Dubose Steel, Inc.	n/a	n/a	PO# 2004-7277 Item 1	1990	Installed	No

7. Description of Work Replaced CK-CVC2114

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

Other ☐ Pressure _____ psi Test Temp. _____ °F

Other: Not applicable

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24422506

9. Remarks

None

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 N/A

Signed Michael W. Clark, ASME Program Engineer Date January 4, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

K.B. Blake — Inspector's Signature

Commissions MI 300762 — National Board, Province and Endorsements

Date JANUARY 5, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24211866

1. Owner Consumers Energy Company — Name — Date 1/4/2005

2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2

27780 Blue Star Highway, Covert, MI 49043 — Address — WO# 24211866 — Repair Organization P.O. No., Job No., etc

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

3315 Old Forest Road, Lynchburg, VA 24506 — Address — Authorization N/A

Expiration Date N/A

4. Identification of System PCS — Code Class Class 1

5. (a) Applicable Construction Code ASME Section III , 1989 Edition

Addenda N/A — Code Case N-2143-1

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

(c) Applicable Section XI Code Cases N-416-1

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RPV Head CRD Pent #29	Framatome	Weld Rod Heat# NX3804JK	N/A	Weld# 119-29-AR	2004	Installed	No
RPV Head CRD Pent #30	Framatome	Weld Rod Heat# NX3804JK	N/A	Weld# 119-30-AR	2004	Installed	No

7. Description of Work: Repaired CRDM penetrations using ambient temper bead welding per NRC approved Relief Request.

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24211866.

9. Remarks

Reactor Vessel Head CRDM Penetrations J-Groove welds were replaced with new pressure boundary welds in accordance with approved NRC relief request using the ambient temper bead method.

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 N/A

Signed Michael V. Ache, ASME Program Engineer Date January 4, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

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K E Blake — Commissions MI 300762

Inspector's Signature — National Board, Province and Endorsements

Date January 5, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24322215

1. Owner Consumers Energy Company — Date 1/4/2005
   Name
2. Plant Palisades Nuclear Power Plant — Sheet 1 of 2
   Name
   27780 Blue Star Highway, Covert, MI 49043 — WO#24322215
   Address — Repair Organization P.O. No., Job No., etc
3. Work Performed by Nuclear Management Company, LLC — Type Code Symbol Stamp N/A
   Name — Authorization N/A
   27780 Blue Star Hwy, Covert, MI 49043 — Expiration Date N/A
   Address
4. Identification of System CIS — Code Class Class 2
5. (a) Applicable Construction Code ASME 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
5/8" -11 UNC X 4-1/2" Long	Nova Machine Products INC	N/A	N/A	PO# G0360383 Item 1	2001	Installed	No
5/8" -11 Heavy Hex Nuts	Consolidated Power Supply	N/A	N/A	PO# P801158 Item 2	2004	Installed	No

7. Description of Work Replaced Fasteners on Containment Penetration MZ-18A
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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24322215

9. Remarks

None

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 N/A

Signed [signature] , ASME Program Engineer Date January 4 , 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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 MI 300762

Inspector's Signature National Board, Province and Endorsements

Date JANUARY 5 , 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24322720

1. Owner Consumers Energy Company — Name — Date 1/4/2005
2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2
   27780 Blue Star Highway, Covert, MI 49043 . — Address — WO#24322720 — Repair Organization P.O. No., Job No., etc
3. Work Performed by Nuclear Management Company, LLC — Name — Type Code Symbol Stamp N/A
   27780 Blue Star Hwy, Covert, MI 49043 — Address — Authorization N/A — Expiration Date N/A
4. Identification of System ESS — Code Class Class 1
5. (a) Applicable Construction Code B31.1 , 1989 Edition 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber SNB-62	Fronek A/DE,INC	ADH-1000 S/N 2488	n/a	PO# G0284322	1999	Installed	No

7. Description of Work Scheduled Snubber Replacement per Snubber Program
8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐
   Other ☑ Pressure _____ psi Test Temp. _____ °F

Other: VT-3 of replacement snubber

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24322720

9. Remarks

None

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 N/A

Signed [signature], ASME Program Engineer Date January 4, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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 MI 300762

Inspector's Signature National Board, Province and Endorsements

Date JANUARY 4, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24322718

1. Owner Consumers Energy Company — Name — Date 1/10/2005

2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2

27780 Blue Star Highway, Covert, MI 49043 — Address — WO#24322718 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Nuclear Management Company, LLC — Name — Type Code Symbol Stamp N/A

27780 Blue Star Hwy, Covert, MI 49043 — Address — Authorization N/A — Expiration Date N/A

4. Identification of System ESS — Code Class Class 1

5. (a) Applicable Construction Code ASME B31.1 , 1973 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber SNB-68	BASIC-PSA INC.	S/N#42298	n/a	PO#P029531	2003	Installed	No

7. Description of Work Scheduled Snubber Replacement per Snubber Program

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

Other ☑ Pressure _____ psi Test Temp. _____ °F

Other: VT-3 of replacement snubber

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24322718

9. Remarks

None

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 N/A

Signed Michael W. Ochs, ASME Program Engineer Date January 10, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

K S Blake — Inspector's Signature

Commissions MI 300762 — National Board, Province and Endorsements

Date JANUARY 11, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24321117

1. Owner Consumers Energy Company — Name — Date 1/10/2005
2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2
   27780 Blue Star Highway, Covert, MI 49043 — Address — WO# 24321117 — Repair Organization P.O. No., Job No., etc
3. Work Performed by Nuclear Management Company, LLC — Name — Type Code Symbol Stamp N/A
   27780 Blue Star Hwy, Covert, MI 49043 — Address — Authorization N/A — Expiration Date N/A
4. Identification of System ESS — Code Class 1
5. (a) Applicable Construction Code ASME B31.1, 1973 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SNB-80	BASIC-PSA INC	S/N#41724	n/a	PO#P025747	2003	Installed	No
Bolt 1/4" - 20	BASIC-PSA INC	n/a	n/a	PO#P804287	2004	Installed	No

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

Other: VT-3

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24321117

9. Remarks

None

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 N/A

Signed [signature], ASME Program Engineer Date January 11, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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 MI 300762

Inspector's Signature — National Board, Province and Endorsements

Date JANUARY 12, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24422766

1. Owner Consumers Energy Company — Name — Date 1/10/2005

2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2

27780 Blue Star Highway, Covert, MI 49043 — Address

WO#24422766 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Nuclear Management Company, LLC — Name

27780 Blue Star Hwy, Covert, MI 49043 — Address

Type Code Symbol Stamp N/A

Authorization N/A

Expiration Date N/A

4. Identification of System ESS — Code Class Class 1

5. (a) Applicable Construction Code ASME 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SNB-79 bolting	BASIC-PSA INC	n/a	n/a	PO#P804287	2004	Installed	No

7. Description of Work SNB-79 Replaced Fasteners

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

Other ☑ Pressure _____ psi Test Temp. _____ °F

Other: VT-3

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24422766

9. Remarks

None

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 N/A

Signed Michael W. Ach, ASME Program Engineer Date January 10, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

K L Blake — Commissions MI 300762

Inspector's Signature — National Board, Province and Endorsements

Date JANUARY 10, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24210555

1. Owner Consumers Energy Company — Name — Date 1/4/2005

2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2

27780 Blue Star Highway, Covert, MI 49043 — Address — WO# 24210555 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Nuclear Management Company, LLC — Name

27780 Blue Star Hwy, Covert, MI 49043 — Address

Type Code Symbol Stamp N/A

Authorization N/A

Expiration Date N/A

4. Identification of System ESS — Code Class 2

5. (a) Applicable Construction Code ASME Section III , 1974 Edition 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Disc	Velan Valve Corp.	P/N 1559-15-121	n/a	PO#1002-2373	1981	Installed	No
Valve Stem	Velan Valve Corp.	P/N 1547-057-072	n/a	PO#1003-0728	1982	Installed	No

7. Description of Work Replaced stem and disc on valve MO-3011

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24210555

9. Remarks

None

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 N/A

Signed [signature], ASME Program Engineer Date January 4, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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 MI 300762

Inspector's Signature — National Board, Province and Endorsements

Date JANUARY 5, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24110546

1. Owner Consumers Energy Company — Date 1/10/2005
   Name
2. Plant Palisades Nuclear Power Plant — Sheet 1 of 2
   Name
   27780 Blue Star Highway, Covert, MI 49043 — WO#24110546
   Address — Repair Organization P.O. No., Job No., etc
3. Work Performed by Nuclear Management Company, LLC — Type Code Symbol Stamp N/A
   Name — Authorization N/A
   27780 Blue Star Hwy, Covert, MI 49043 — Expiration Date N/A
   Address
4. Identification of System SWS — Code Class Class 3
5. (a) Applicable Construction Code ASME B31.1 , 1989 Edition 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
4" Flange	Energy Steel	n/a	n/a	PO#P800595	2004	Installed	No
MV-SW135 Valve	Divesco	n/a	n/a	PO# P804415	2004	Installed	No

7. Description of Work Replaced Valve MV-SW135
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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24110546

9. Remarks

None

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 N/A

Signed Michael W. Ueker, ASME Program Engineer Date January 18, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

K F Blake Commissions MI 300762

Inspector's Signature National Board, Province and Endorsements

Date JANUARY 19, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24323635

1. Owner Consumers Energy Company — Date 1/8/2005
   Name
2. Plant Palisades Nuclear Power Plant — Sheet 1 of 2
   Name
   27780 Blue Star Highway, Covert, MI 49043 — WO#24323635
   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 ESS — Code Class Class 2
5. (a) Applicable Construction Code ASME 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 N-416-1
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Chesk Valve CK-ES3339	Flowserve US INC	S/N 21AXS	n/a	PO# P030853	2003	Installed	No
Valve disc	Flowserve U	n/a	n/a	PO# P028851	2003	Installed	No
2" Pipe	Chicago Tube & Iron	n/a	n/a	PO#1007-1744	1986	Installed	No
2" Elbow	Tioga Pipe Supply Co	n/a	n/a	PO# G0224250	1997	Installed	No

7. Description of Work Replaced Check Valve CK-ES3339
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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24323635

9. Remarks

None

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 N/A

Signed Michael W. Arch, ASME Program Engineer Date January 18, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

K J Blake — Commissions MI 300762

Inspector's Signature — National Board, Province and Endorsements

Date JANUARY 19, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24422559

1. Owner Consumers Energy Company — Name — Date 1/17/2005
2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2
   27780 Blue Star Highway, Covert, MI 49043 — Address — WO#24422559 — Repair Organization P.O. No., Job No., etc
3. Work Performed by Westinghouse Electric Company — Name — Type Code Symbol Stamp N/A
   P.O.Box 355, Pittsburg,PA 15230 — Address — Authorization N/A — Expiration Date N/A
4. Identification of System PCS — Code Class Class 1
5. (a) Applicable Construction Code ASME Section III , 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Helicoil for 1-5/8" stud hole	ABB Combustion Eng Nuclear POW	n/a	n/a	PO#G0223583	1998	Installed	No
1-5/8" Washer	ABB Combustion Eng Nuclear POW	n/a	n/a	PO#G0191526	1996	Installed	No
1-5/8" Nut	Nova machine Products	n/a	n/a	PO#G0310446	1999	Installed	No
1-5/8" Stud	Westinghouse Electric Co	n/a	n/a	PO#P040490	2003	Installed	No

7. Description of Work: Repaired Stud Hole #5 with Helicoil and Installed new Stud, Nut and Washer on E-50A Manway
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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24422559

9. Remarks

None

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 N/A

Signed Michael W. Ale, ASME Program Engineer Date January 17, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

K S Blake Commissions MI 300762

Inspector's Signature National Board, Province and Endorsements

Date JANUARY 17, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24110866

1. Owner Consumers Energy Company — Name — Date 1/13/2005

2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2

27780 Blue Star Highway, Covert, MI 49043 — Address

WO#24110866 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Nuclear Management Company, LLC — Name

27780 Blue Star Hwy, Covert, MI 49043 — Address

Type Code Symbol Stamp N/A

Authorization N/A

Expiration Date N/A

4. Identification of System MSS — Code Class Class 2

5. (a) Applicable Construction Code ASME 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
CV-0782 Bonnet bolt	Energy & Process	n/a	n/a	PO#P032250	2003	Installed	No

7. Description of Work Replace Bonnet bolt on Atmospheric Dump Valve CV-0782

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24110866

9. Remarks

None

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 N/A

Signed [signature], ASME Program Engineer Date January 13, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

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[signature] Commissions MI 300762

Inspector's Signature — National Board, Province and Endorsements

Date JANUARY 17, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24322390

1. Owner Consumers Energy Company — Name — Date 1/13/2005

2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2

27780 Blue Star Highway, Covert, MI 49043 — Address — WO#24322390 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Nuclear Management Company, LLC — Name — Type Code Symbol Stamp N/A

27780 Blue Star Hwy, Covert, MI 49043 — Address — Authorization N/A

Expiration Date N/A

4. Identification of System PCS — Code Class Class 1

5. (a) Applicable Construction Code ASME Section III , 1986 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RV-1040 Valve Disc	Dresser Industries	n/a	n/a	PO#G0265252	1998	Installed	No

7. Description of Work Replaced Valve Disc RV-1040

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24322390

9. Remarks

None

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 N/A

Signed [signature], ASME Program Engineer Date January 13, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

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[signature] Commissions MI 300762

Inspector's Signature National Board, Province and Endorsements

Date JANUARY 17, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24422966

1. Owner Consumers Energy Company — Name — Date 1/10/2005

2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2

27780 Blue Star Highway, Covert, MI 49043 — Address — WO#24422966 — Repair Organization P.O. No., Job No., etc

3. Work Performed by PCI Energy Services — Name

One Energy Drive, Lake Bluff, IL 60044 — Address

Type Code Symbol Stamp N/A

Authorization N/A

Expiration Date N/A

4. Identification of System PCS — Code Class Class 1

5. (a) Applicable Construction Code ASME Section III , 1986 Edition

Addenda 1988 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
CRD-12 Upper Housing	Ionics, Inc.	n/a	n/a	PO#P804708	2001	Corrected	Yes

7. Description of Work Repaired Damaged gasket seating area on CRDM-12 upper housing

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

Other ☐ Pressure _____ psi Test Temp. _____ °F

Other: PT

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24422966

9. Remarks

Weld repair and machining of CRD-12 upper housing performed by PCI Energy Services

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 N/A

Signed Michael V. Ash, ASME Program Engineer Date January 17, 2005

CERTIFICATE OF INSERVICE INSPECTION

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R L Blake — Commissions MI 300762

Inspector's Signature — National Board, Province and Endorsements

Date JANUARY 17, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24323693

1. Owner Consumers Energy Company — Name — Date

2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2

27780 Blue Star Highway, Covert, MI 49043 — Address — WO#24323693 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner — Name — Same — Address

Type Code Symbol Stamp N/A
Authorization N/A
Expiration Date N/A

4. Identification of System PCS — Code Class Class 1

5. (a) Applicable Construction Code ASME Section III , 1977 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Tube Plugs	Westinghouse Electric Company	n/a	n/a	PO#P800987	2004	Installed	No

7. Description of Work Plugged 15 tubes in the "A" Steam Generator

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24323693

9. Remarks

None

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 N/A

Signed Michael V. Ott, ASME Program Engineer Date January 19, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

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K J Blake Commissions MI 300762

Inspector's Signature National Board, Province and Endorsements

Date JANUARY 19, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24323694

1. Owner Consumers Energy Company — Name — Date

2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2

27780 Blue Star Highway, Covert, MI 49043 — Address — WO#24323694 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner — Name — Same — Address

Type Code Symbol Stamp N/A
Authorization N/A
Expiration Date N/A

4. Identification of System PCS — Code Class Class 1

5. (a) Applicable Construction Code ASME Section III , 1977 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Tube Plugs	Westinghouse Electric Company	n/a	n/a	PO#P800987	2004	Installed	No

7. Description of Work Plugged 3 tubes in the "B" Steam Generator

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24323694

9. Remarks

None

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 N/A

Signed Michael W. Clark, ASME Program Engineer Date January 19, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

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K B Blake Commissions MI 300762

Inspector's Signature National Board, Province and Endorsements

Date JANUARY 19, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24212130

1. Owner Consumers Energy Company — Date 1/19/2005
   Name
2. Plant Palisades Nuclear Power Plant — Sheet 1 of 2
   Name
   27780 Blue Star Highway, Covert, MI 49043 — WO#24212130
   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 CRS — Code Class 3
5. (a) Applicable Construction Code ASME 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
5/8"-11 X 4" Studs	Nova Machine Products	n/a	n/a	PO#P801470	2004	Installed	No
5/8"-11 Nuts	Consolidated Power Supply	n/a	n/a	PO#P801158	2004	Installed	No

7. Description of Work Replaced Fasteners on VHX-2 flange
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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24212130

9. Remarks

None

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 N/A

Signed [signature], ASME Program Engineer Date January 19, 2005

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 Michigan and employed by HSB-CT of Connecticut have inspected the components described in this Owner's Report during the period April 18, 2003 to November 17,2004, 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.

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[signature] Commissions MI 300762

Inspector's Signature National Board, Province and Endorsements

Date JANUARY 19, 2005

PALISADES NUCLEAR POWER PLANT

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

ITEM 24322358

1. Owner Consumers Energy Company — Name — Date 1/19/2005

2. Plant Palisades Nuclear Power Plant — Name — Sheet 1 of 2

27780 Blue Star Highway, Covert, MI 49043 — Address — WO#24322358 — Repair Organization P.O. No., Job No., etc

3. Work Performed by Owner — Name — Same — Address

Type Code Symbol Stamp N/A
Authorization N/A
Expiration Date N/A

4. Identification of System MSS — Code Class 1

5. (a) Applicable Construction Code ASME 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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Main Steam Safety Valve	Crosby	RV-0722	n/a	PO#P804673	2004	Corrected	No

7. Description of Work Repaired Scratch from inlet flange on RV-0722

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.

PALISADES NUCLEAR POWER PLANT

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

ITEM 24322358

9. Remarks

None

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 N/A

Signed Michael W. Ach, ASME Program Engineer Date January 19, 2005

CERTIFICATE OF INSERVICE INSPECTION

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K.B. Blake Commissions MI 300762

Inspector's Signature — National Board, Province and Endorsements

Date JANUARY 19, 2005