Consumers Power

POWERING MICHIGAN'S PROGRESS

Palisades Nuclear Plant: 27780 Blue Star Memorial Highway, Covert, MI 49043

November 16, 1995

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

DOCKET 50-255 - LICENSE DPR-20 - PALISADES PLANT
NPDES PERMIT VIOLATION REPORT - MAY 1995 THROUGH OCTOBER 1995

Section 3.2 of the Palisades Environmental Protection Plan (Non-Radiological) entitled, "Reporting Related to NPDES Permits and State Certifications," states that copies of reports to the State of Michigan indicating violations of NPDES permits shall be sent to the NRC. Our April 17, 1985 letter to the NRC states that we will comply with Sections 3.2 and 5.4.2 of Appendix B of the Palisades Technical Specifications by submitting all NPDES permit violations and reports of oil, salt or polluting material loss on a semi-annual basis within 30 days from April 30 and October 31.

During the period from May 1, 1995, through October 31, 1995, no NPDES violations were identified. One report of oil, salt or polluting material loss was made. The attached NPDES Permit Violation Report also contains a summary of the recent NPDES permit activity.

SUMMARY OF COMMITMENTS
No commitments are made in this letter.

Richard W Smedley
Manager, Licensing

CC: Administrator, Region III, USNRC
Project Manager, NRR, USNRC
NRC Resident Inspector - Palisades

Attachment

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ATTACHMENT 1

CONSUMERS POWER COMPANY
PALISADES PLANT
DOCKET 50-255

NPDES PERMIT VIOLATION REPORT
MAY 1, 1995 THROUGH OCTOBER 31, 1995

NON RADIOLOGICAL NPDES PERMIT VIOLATION REPORT
MAY 1, 1995, THROUGH OCTOBER 31, 1995

NPDES Notifications

During this period (May 1, 1995, through October 31, 1995) there were zero NPDES notifications reported to the Michigan Department of Natural Resources (MDNR).

Oil, Salt, or Polluting Material Loss

During the time period of May 1, 1995, through October 31, 1995, there was one report of oil, salt, or polluting material loss to the MDNR.

1. On September 5, 1995, there was a release of approximately 5-10 gallons of hydraulic fluid from a bucket truck to the ground.

Other Activities

Other activities which may be of interest pertaining to water quality are summarized below:

1. During the 1995 Refueling Outage, the Plant Service Water intake structure and crib were cleaned by a diving contractor for removal of Zebra Mussels. A total of 98 cubic yards of mussels were removed from the intake crib and the western 300 feet of the intake pipe. Only 1 cubic yard of Zebra Mussels were removed from the Service Water intake bay.

PALISADES NUCLEAR PLANT
SYSTEMS ENGINEERING DEPARTMENT
Review and Approval Summary

TITLE: ISI REPORT 2-9

Responsible Individual	11/15/95 Date
Section Head	11/16/95 Date
Systems Engineering Manager	11/16/95 Date

PALISADES NUCLEAR PLANT

1995 INSERVICE INSPECTION REPORT

Submitted in accordance with the ASME Boiler and Pressure Vessel Code, Section XI, Article IWA-6000, 1983 Edition with Addenda through Summer 1983.

1. Date: November 10, 1995

2. Corporate Headquarters: Consumers Power Company
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	Manufacturer Serial No.	State No.	National Board No.
A.	Pressurizer	Combustion Eng.	CE-66601	M96728M	NB20851
B.	Reactor Vessel	Combustion Eng.	CE-66110	M96725M	NB20827
C.	Reactor Vessel Closure Head	Combustion Eng.	CE-66210	M96725M	NB20827

7. Completion Date for Inspections: August 21, 1995

8. Code Inspector: Kenneth L Blake

9. Authorized Inspection Agency: Protection Mutual,
Norwood, MA

10. Abstract See ISI Report

1995 INSERVICE INSPECTION 2-9
PALISADES NUCLEAR PLANT

Inservice Inspection No. 2-9 was conducted during the period of May 22, 1995 through August 21, 1995 in accordance with Section 4.0.5 of the Palisades Nuclear Plant Technical Specifications. The ASME Boiler and Pressure Vessel (B&PV) Code, Section XI 1983, Summer 1983 Addenda controlled the inspections and provided the acceptance criteria for these examinations.

This was the last examination for the third period and the last period of the inspection interval. Areas examined during this inspection included the Reactor Vessel and various components of the Primary Coolant System, Engineered Safeguards System, Main Steam System and various support systems piping as identified in the attached NDE Data Reference Report.

The examinations were performed using Radiographic (RT), Ultrasonic (UT), Liquid Penetrant (PT), Magnetic Particle (MT) and Visual (VT) techniques. The examinations were conducted with Consumers Power Company Engineering and Technical Services Department (E&TS), Westinghouse Electric Corporation, BWNT and Lambert MacGill Thomas, Inc. using site approved procedures. Examinations were performed by personnel qualified in the NDT process utilized in accordance with the requirements of Section XI IWA-2300, 1983 Edition Summer 1983 Addenda ASME B&PV Code. Instances of reportable indications are itemized in the attached NDE Results Summary Report.

The following is a list of repairs or replacements which have been performed through the end of the 1995 refueling outage for which NIS-2 Forms are attached:

	Work Order	Description of Work
1.	24200442	Replaced bolting on MV-SFP103.
2.	24202991	Replaced Incore Instrument Flange.
3.	24300040	Added weld reinforcement to base plate welds on support HGR/HB23-H109.1.
4.	24410203	Modified support HGR/HBD9-H24.1 under SC 93-063.
5.	24410204	Modified support HGR/HB24-R33.1 under SC 93-063.
6.	24410267	Modified support HGR/HB24-H30 under SC 93-063.
7.	24411521	Welded new shim plate and replaced U-bolt on support HGR/HC4-H244.1
8.	24412809	Modified support HGR/HC3-R166.2 under SC 93-068.
9.	24412813	Modified support HGR/hc3-H211 under SC 93-068.
10.	24412965	Replaced mini-flow orifice and piping on Engineered Safeguards System piping.
11.	24410268	Modified support HGR/HB24-H301.1 under SC 93-063.
12.	24412806	Modified support HGR/HC3-H151.5 under SC 93-068.
13.	24412815	Modified support HGR/HC3-R214.1 under SC 93-068.
14.	24412087	Refurbished control valve CV-1057.
15.	24410248	Modified support HGR-HB24-H303 under SC 93-063.
16.	24412427	Modified support HGR/HC12-H1 under SC 93-069.
17.	24412797	Modified supports HGR/GC8-R128.1 and S128.1 under SC 93-068.
18.	24412800	Modified support HGR/GC4-H181.1A under SC 93-068.
19.	24412804	Modified support HGR/HC3-R112.1 under SC 93-068.
20.	24412805	Modified support HGR/HC3-R110.1 under SC 93-068.
21.	24412810	Modified support HGR/HC3-H166.3 under SC 93-068.
22.	24412812	Modified support HGR/GC4-H155 under SC 93-068.
23.	24412799	Modified support HGR/HC3-R132 under SC 93-068.
24.	24412774	Modified support HGR/HC3-H178.1 under SC 93-068.

	Work Order	Description of Work
25.	24412825	Modified support HGR/HC3-H135 under SC 93-068.
26.	24412795	Modified support HGR/HC3-H134 under SC 93-068.
27.	24410265	Modified support HGR/HBD9-H10 under SC 93-063.
28.	24412773	Modified support HGR/GC4-R184.1 under SC 93-068.
29.	24412824	Modified support HGR/HC3-R133.1 under SC 93-068.
30.	24410206	Modified support HGR/HB24-R309.1 under SC 93-063.
31.	24412823	Modified support HGR/HC3-H172 under SC 93-068.
32.	24412828	Modified support HGR/HC3-R173.1 under SC 93-068.
33.	24303491	Modified support HGR/HB24-H10.3A under SC 93-065.
34.	24412801	Modified support HGR/HC3-R180 under SC 93-068.
35.	24412802	Modified support HGR/HC3-H110 under SC 93-068.
36.	24412816	Modified support HGR/HC3-R215.1 under SC 93-068.
37.	24412819	Modified support HGR/GC8-R190.1 under SC 93-068.
38.	24412775	Modified support HGR/HC3-H174.1 under SC 93-068.
39.	24410266	Modified support HGR/HBD9-H25.5 under SC 93-063.
40.	24412798	Modified support HGR/GC8-H128 under SC 93-068.
41.	24413798	Modified support HGR/JB1-H2.1 under SC 93-067.
42.	24412796	Modified support HGR/GC8-H173 under SC 93-068.
43.	24414261	Modified support HGR/HB23-H284.1 under SC 93-066.
44.	24414263	Modified support HGR/HB23-H284.3 under SC 93-066.
45.	24414264	Modified support HGR/HB23-H53.2 under SC 93-066.
46.	24414275	Modified support HGR/HB23-H167.1 under SC 93-066.
47.	24412817	Modified support HGR/HC3-H170 under SC 93-068.
48.	24410205	Modified support HGR/HB24-R302.1 under SC 93-063.
49.	24410270	Modified support HGR/HB24-H303.1 under SC 93-063.
50.	24414273	Modified support HGR/HB23-R100.3 under SC 93-066.
51.	24414260	Modified support HGR/HB23-H281 under SC 93-066.
52.	24511158	Installed new support HGR/HB23-R286.1.
53.	24414269	Modified support HGR/HB23-H76 under SC 93-066.
54.	24412789	Modified support HGR/HC3-H152 under SC 93-068.
55.	24414274	Modified support HGR/HB23-H111.4 under SC 93-066.
56.	24412808	Modified support HGR/HC3-R166.1 under SC 93-068.
57.	24412807	Modified support HGR/HC3-H151.6 under SC 93-068.
58.	24414266	Modified support HGR/HB23-H57 under SC 93-066.
59.	24413795	Modified support HGR/HB23-H4 under SC 93-067.
60.	24510790	Repaired manual valve MV-ES3234A.
61.	24510704	Repaired manual valve MV-ES3234.
62.	24512254	Replaced containment air cooler VHX-1 outlet check valve CK-SW407
63.	24511363	Replaced manual valve MV-SW136.
64.	24413391	Installed 6" flanged valve and added a new support.
65.	24410499	Replaced pressurizer (T-72) PORV safe end.
66.	24412452	Modified support HGR/HC44-R927.2 under SC 93-072.
67.	24412451	Installed new support HGR/HC44-R892.1.
68.	24412236	Modified supports HGR/HC44-H890 & H890A under SC 93-072.
69.	24411388	Modified support HGR/HC4-H215.
70.	24410249	Modified support HGR/EB9-R32.1A under SC 93-073.
71.	24512409	Repaired tube leaks on VHX-27A.
72.	24413394	Installed 6" butterfly valve and tee in Servicewater System.
73.	24413794	Modified support HGR/HB23-H1.4A under SC 93-067.
74.	24412830	Modified support HGR/GC8-H129 under SC 93-068.
75.	24412790	Modified support HGR/HC3-R151.1 under SC 93-068.
76.	24413800	Replaced fasteners on Spent Fuel Pool Cooling basket strainer.
77.	24413799	Replaced basket strainer and fasteners in the Spent Fuel Pool Cooling System.
78.	24511934	Modified support HGR/CC3-H2.0.
79.	24511255	Replaced fasteners on manual valve MV-SFP104.

	Work Order	Description of Work
80.	24510735	Replaced fasteners on manual valve MV-SFP102.
81.	24510734	Replaced fasteners on manual valve MV-SFP101.
82.	24511034	Replaced fasteners on manual valve MV-SFP103.
83.	24302518	Replaced fasteners on flow element FE-0316.
84.	24302519	Replaced fasteners on flow element FE-0317.
85.	24510950	Installed a 16" flanged hot tap connection into the Service Water System for the purpose of a temporary line stop.
86.	24414268	Modified support HGR/HB23-H82 under SC 93-066.
87.	24412449	Modified support HGR/HC44-R894.1 under SC 93-072.
88.	24410201	Modified support HGR/EB9-R32.1 under SC 93-074.
89.	24511156	Modified support HGR/JB1-H54 under SC 95-040.
90.	24412829	Modified support HGR/GC8-R129.1 under SC 93-068.
91.	24414258	Modified support HGR/HB23-H280.2 under SC 93-066.
92.	24410500	Removed and replaced the seal weld on temperature element TE-0101.
93.	24300894	Modified check valve CK-ES3181 under SC 94-130.
94.	24303399	Replaced check valve CK-SFP0400 and piping components under SC 94-011.
95.	24303659	Replaced manual valve MV-SW134 under FES 95-003.
96.	24411748	Retired Sodium Hydroxide and Hydrazine Injection Systems by cutting and capping the piping systems where they enter the Engineered Safeguards Systems.
97.	24300035	Modified support HGR/HB24-H6.1.
98.	24412426	Replaced U-bolt and washer on support on HGR/CC7-H7.10.
99.	24302504	Replaced threaded rod on support HGR/HB23-H66.
100.	24204646	Modified support HGR/HB24-H8.2.
101.	24205691	Modified support HGR/HB24-R11.1.
102.	24413906	Refurbished check valve CK-ES3239 and replaced fasteners.
103.	24300497	Refurbished manual valve MV-CVC2095 and replaced fasteners.
104.	24512502	Replaced control rod drive CRD-18 blind flange with a new blind flange.
105.	24303277	Replaced pressurizer manway studs and nuts.
106.	24511872	Replaced manual valve MV-SW136 and fasteners.
107.	24410748	Installed weld overlay on check valve CK-ES3181 outlet weld.
108.	24410749	Installed weld overlay on check valve CK-ES3166 outlet weld.
109.	24415092	Replaced manual valve MV-SW119.
110.	24511403	Replaced control rod drive CRD-31 with a new control rod drive assembly.
111.	24302866	Replaced check valve CK-ES3339.
112.	24300895	Refurbished check valve CK-ES3240 and replaced fasteners.
113.	24203975	Replaced control rod drive CRD-19 with a new control rod drive assembly.
114.	24203971	Replaced control rod drive CRD-14 with a new control rod drive assembly.
115.	24203969	Replaced control rod drive CRD-12 with a new control rod drive assembly.
116.	24511404	Replaced control rod drive CRD-24 with a new control rod drive assembly.
117.	24104563	Replaced control rod drive CRD-43 with a new control rod drive assembly.
118.	24203989	Replaced control rod drive CRD-37 with a new control rod drive assembly.
119.	24203964	Replaced control rod drive CRD-45 with a new control rod drive assembly.
120.	24203963	Replaced control rod drive CRD-3 with a new control rod drive assembly.
121.	24204648	Modified support HGR/HB24-8.9.
122.	24201948	Replaced wye strainer plug on YS-2023.

	Work Order	Description of Work
123.	24412458	Modified support HGR/DC1-H783.
124.	24411065	Replaced studs and nuts on RV-0708.
125.	24302535	Replaced studs and nuts on reducing orifice RO-3080.
126.	24413852	Replaced studs and nuts on control valve CV-3042.
127.	24203977	Replaced control rod drive CRD-21 with a new control rod drive assembly.
128.	24203988	Replaced control rod drive CRD-30 with a new control rod drive assembly.
129.	24301864	Replaced check valve CK-CVC2099 under FES-95-069.
130.	24411932	Replaced manual valve MV-CVC2094 under SC 93-093.
131.	24411930	Replaced manual valve MV-CVC2106 under SC 93-093.
132.	24411931	Replaced manual valve MV-CVC2100 under SC 93-093.
133.	24512662	Repaired leak in a 3" elbow on the Chemical and Volume Control System.
134.	24203965	Replaced control rod drive CRD-4 with a new control rod drive assembly.
135.	24511279	Replaced control valves CV-0823 and CV-0824 under FC-959.
136.	24510557	Modified feedwater system piping under FC-959.
137.	FC-951	Replaced VHX-1, VHX-2, VHX-3, associated piping and supports.

All records of procedures, personnel certifications, equipment certifications, examination data and dispositions of all reportable indications are on file at the Palisades Nuclear Plant.

ATTACHMENT 1

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

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

1. Owner Consumers Power Company, 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 12/31/71 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.
Pressurizer	Combustion Engineering	CE-66601	M96728M	NB20851
Reactor Vessel	Combustion Engineering	CE-66110	M96725M	NB20827
RPV Closure Head	Combustion Engineering	CE-66210	M96725M	NB20827
	SEE "NDE DATA REFERENCE"			
	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 05/22/95 to 08/22/95 9. Inspection Interval from 11/10/83 to 08/22/95

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

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 11/20 19 95 Signed Consumers Power Co. By H Fonty
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 Protection Mut. Ins. Co of Norwood, MA have inspected the components described in this Owner's Report during the period 5-22-95 to 8-22-95, 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.

L S Blake Commissions MI. 762 N,B,I, Factory Mutual Engineering Association
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-20 19 95

(12/82)

ATTACHMENT 2

NDE DATA REFERENCE REPORT

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
1													
	B-A	B1.11	10-112										
				Vendor: UT-M Westinghouse Data Package # 3									
			8-112										
				Vendor: UT-M Westinghouse Data Package # 2									
			9-112										
				Vendor: UT-M Westinghouse Data Package # 2									
		B1.12	1-112A										
				Vendor: UT-M Westinghouse Data Package # 1									
			1-112B										
				Vendor: UT-M Westinghouse Data Package # 1									
			1-112C										
				Vendor: UT-M Westinghouse Data Package # 1									
			2-112A										
				Vendor: UT-M Westinghouse Data Package # 2									
			2-112B										
				Vendor: UT-M Westinghouse Data Package # 2									
			2-112C										
				Vendor: UT-M Westinghouse Data Package # 2									
			3-112A										
				Vendor: UT-M Westinghouse Data Package # 2									
			3-112B										
				Vendor: UT-M Westinghouse Data Package # 2									
			3-112C										
				Vendor: UT-M Westinghouse Data Package # 2									
		B1.21	4-113										
				Vendor: UT-M Westinghouse Data Package # 3									

AREA	CAT.	ITEM	REFERENCE ID	UT DATA		PT DATA		MT DATA		VT DATA		RT DATA	
				DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #
	B-A	B1.22	1-113A										
				Vendor: UT-M Westinghouse Data Package # 3									
			1-113B										
				Vendor: UT-M Westinghouse Data Package # 3									
			1-113C										
				Vendor: UT-M Westinghouse Data Package # 3									
			1-113D										
				Vendor: UT-M Westinghouse Data Package # 3									
			1-113E										
				Vendor: UT-M Westinghouse Data Package # 3									
			1-113F										
				Vendor: UT-M Westinghouse Data Package # 3									
			1-118F	P-95-18030 / P-95-19017 P-95-18031 / P-95-19018 P-95-18034 / P-95-19021									
		B1.30	7-112										
				Vendor: UT-M Westinghouse Data Package # 1									
		B1.40R	6-118A	P-95-18032 / P-95-19019 P-95-18033 / P-95-19020 P-95-18035 / P-95-19021 P-95-18036 / P-95-19022 P-95-18037 / P-95-19023				P-95-7056					
	B-D	B3.100	5-114A-IRS										
				Vendor: UT-M Westinghouse Data Package # 5									
			5-114B-IRS										
				Vendor: UT-M Westinghouse Data Package # 5									
			5-114C-IRS										
				Vendor: UT-M Westinghouse Data Package # 5									
			5-114D-IRS										
				Vendor: UT-M Westinghouse Data Package # 5									
			5-114E-IRS										
				Vendor: UT-M Westinghouse Data Package # 2									

AREA	CAT.	ITEM	REFERENCE ID	UT DATA		PT DATA		MT DATA		VT DATA		RT DATA	
				DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #
	B-D	B3.100	5-114F-IRS										
				Vendor: UT-M Westinghouse Data Package # 2									
		B3.90	5-114A										
				Vendor: UT-M Westinghouse Data Package # 4									
			5-114B										
				Vendor: UT-M Westinghouse Data Package # 4									
			5-114C										
				Vendor: UT-M Westinghouse Data Package # 4									
			5-114D										
				Vendor: UT-M Westinghouse Data Package # 4									
			5-114E										
				Vendor: UT-M Westinghouse Data Package # 3									
			5-114F										
				Vendor: UT-M Westinghouse Data Package # 3									
	B-G-1	B6.10	RPVCH S/N 01 NUT						P-95-7075				
			RPVCH S/N 02 NUT						P-95-7076				
			RPVCH S/N 21 NUT						P-95-7077				
			RPVCH S/N 22 NUT						P-95-7078				
			RPVCH S/N 23 NUT						P-95-7079				
			RPVCH S/N 24 NUT						P-95-7080				
			RPVCH S/N 25 NUT						P-95-7081				
			RPVCH S/N 26 NUT						P-95-7082				
			RPVCH S/N 27 NUT						P-95-7083				
			RPVCH S/N 28 NUT						P-95-7084				
			RPVCH S/N 47 NUT						P-95-7086				
			RPVCH S/N 48 NUT						P-95-7085				
			RPVCH S/N 49 NUT						P-95-7087				

AREA	CAT.	ITEM	REFERENCE ID	UT DATA		PT DATA		MT DATA		VT DATA		RT DATA	
				DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #
	B-G-1	B6.10	RPVCH S/N 50 NUT					P-95-7088					
			RPVCH S/N 51 NUT					P-95-7089					
			RPVCH S/N 52 NUT					P-95-7090					
			RPVCH S/N 53 NUT					P-95-7091					
			RPVCH S/N 54 NUT					P-95-7092					
		B6.30	RPVCH S/N 01 STUD					P-95-7074					
			RPVCH S/N 02 STUD					P-95-7057					
			RPVCH S/N 21 STUD					P-95-7058					
			RPVCH S/N 22 STUD					P-95-7059					
			RPVCH S/N 23 STUD					P-95-7060					
			RPVCH S/N 24 STUD					P-95-7061					
			RPVCH S/N 25 STUD					P-95-7062					
			RPVCH S/N 26 STUD					P-95-7063					
			RPVCH S/N 27 STUD					P-95-7064					
			RPVCH S/N 28 STUD					P-95-7065					
			RPVCH S/N 47 STUD					P-95-7066					
			RPVCH S/N 48 STUD					P-95-7067					
			RPVCH S/N 49 STUD					P-95-7068					
			RPVCH S/N 50 STUD					P-95-7069					
			RPVCH S/N 51 STUD					P-95-7070					
			RPVCH S/N 52 STUD					P-95-7071					
			RPVCH S/N 53 STUD					P-95-7072					
			RPVCH S/N 54 STUD					P-95-7073					
		B6.40	RPV-LIGAMENTS										

Vendor: UT-M Under Tab J of Westinghouse Report

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	B-G-1	B6.50	RPVCH S/N 02 WASHER							P-95-4094			
			RPVCH S/N 03 WASHER							P-95-4095			
			RPVCH S/N 21 WASHER							P-95-4096			
			RPVCH S/N 22 WASHER							P-95-4097			
			RPVCH S/N 23 WASHER							P-95-4098			
			RPVCH S/N 24 WASHER							P-95-4099			
			RPVCH S/N 25 WASHER							P-95-4100			
			RPVCH S/N 26 WASHER							P-95-4101			
			RPVCH S/N 27 WASHER							P-95-4102			
			RPVCH S/N 28 WASHER							P-95-4103			
			RPVCH S/N 47 WASHER							P-95-4104			
			RPVCH S/N 48 WASHER							P-95-4105			
			RPVCH S/N 49 WASHER							P-95-4106			
			RPVCH S/N 50 WASHER							P-95-4107			
			RPVCH S/N 51 WASHER							P-95-4108			
			RPVCH S/N 52 WASHER							P-95-4109			
			RPVCH S/N 53 WASHER							P-95-4110			
			RPVCH S/N 54 WASHER							P-95-4111			
	B-N-1	B13.10	RPV-VESSEL INTERIOR										
				Vendor: VT-3 Under Tab J of Westinghouse Report									
	B-N-2	B13.50	RPV WELDED										
				Vendor: VT-1 Under Tab J of Westinghouse Report									
		B13.60	RPV-WELD ATTACHMENT										
				Vendor: VT-3 Under Tab J of Westinghouse Report									
	B-N-3	B13.70	RPV-CORE SUP STRUC W										
				Vendor: VT-3 Under Tab J of Westinghouse Report									

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	B-O	B14.10	119-38-A			P-95-6279							
			119-38-B			P-95-6280							
			119-38-C			P-95-6281							
			119-38-D			P-95-6282							
			119-38-E			P-95-6283							
			119-46-A			P-95-6278							
2													
	B-B	B2.12	2-982A	P-95-18001 / P-95-19001 P-95-18002 / P-95-19002 P-95-18003 / P-95-19003									
	B-D	B3.110R	3-985	P-95-20003 / P-95-21002 P-95-20006 / P-95-21003 P-95-20009 / P-95-21004									
			8-986	P-95-20004 / P-95-21002 P-95-20007 / P-95-21003 P-95-20010 / P-95-21004									
			8-986C	P-95-20005 / P-95-21002 P-95-20008 / P-95-21003 P-95-20011 / P-95-21004									
		B3.120	8-986-IRS	P-95-20002 / P-95-21001									
			8-986C-IRS	P-95-20001 / P-95-21001									
	B-F	B5.130	PCS-4-PRS-1P1-1A										
				Vendor: UT BWNT Reports for Penetration # 59									
				Vendor: PT BWNT Reports for Penetration # 59									
		B5.40	PCS-12-PSL-1H1-1										
				Vendor: UT BWNT Reports for Penetration # 61									
				Vendor: PT BWNT Reports for Penetration # 61									
	B-G-2	B7.50	PCS-4-PRS-1P2-3BT							P-95-4091			
			PCS-4-PRS-1P3-8BT							P-95-4045			
	B-H	B8.20	4-984/5-984					P-95-7054					

AREA	CAT.	ITEM	REFERENCE ID	UT DATA		PT DATA		MT DATA		VT DATA		RT DATA	
				DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #
	B-J	B9.11	PCS-4-PRS-1P3-1	P-95-1032 / P-95-2012 P-95-1034 / P-95-2013 P-95-1036 / P-95-2014		P-95-6070							
			PCS-4-PRS-1P3-3	P-95-1031 / P-95-2012 P-95-1033 / P-95-2013 P-95-1035 / P-95-2014		P-95-6071							
	F-A	F1.20	4-984/5-984-SS							P-95-4088			
	F-B	F2.40	PCS-4-PRS-1P3-3PR							P-95-4093			
			PCS-4-PRS-1P3-4PR							P-95-4092			
			PCS-4-PRS-1P3-7PR							P-95-4090			
3													
	B-G-2	B7.30	PRIMARY MANWAY # 1							P-95-4087			
			PRIMARY MANWAY # 2							P-95-4086			
	C-C	C3.10	1-A			P-95-6131		P-95-7032					
			1-B			P-95-6132		P-95-7033					
			1-C			P-95-6133		P-95-7037					
			1-D			P-95-6134	DMZ061995-1	P-95-7034					
			1-E			P-95-6135		P-95-7035					
			1-F			P-95-6136		P-95-7036					
	F-A	F1.20	1-SK-SS							P-95-4056			
			2-SK-SS							P-95-4057			
	F-C	F3.30	1-A-SS							P-95-4047			
			1-B-SS							P-95-4046			
			1-C-SS							P-95-4048			
			1-D-SS							P-95-4049			
			1-E-SS							P-95-4050			
			1-F-SS							P-95-4051			

AREA	CAT.	ITEM	REFERENCE ID	UT DATA		PT DATA		MT DATA		VT DATA		RT DATA	
				DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #
4													
	B-B	B2.51	E-56A-04	P-95-18007 / P-95-19007 P-95-18011 / P-95-19008 P-95-18016 / P-95-19011 P-95-18021 / P-95-19012 P-95-18025 / P-95-19013									
			E-56B-04	P-95-18009 / P-95-19007 P-95-18013 / P-95-19008 P-95-18018 / P-95-19011 P-95-18019 / P-95-19012 P-95-18023 / P-95-19013									
		B2.80	E-56A-03	P-95-18008 / P-95-19007 P-95-18012 / P-95-19008 P-95-18015 / P-95-19011 P-95-18020 / P-95-19012 P-95-18024 / P-95-19013									
			E-56B-03	P-95-18010 / P-95-19007 P-95-18014 / P-95-19008 P-95-18017 / P-95-19011 P-95-18022 / P-95-19012 P-95-18026 / P-95-19013									
	F-A	F1.10	E-56A-S-01							P-95-4089			
5													
	B-J	B9.11	ESS-6-SIS-1B1-9	P-95-1051 / P-95-2022 P-95-1055 / P-95-2023		P-95-6095							
			ESS-6-SIS-2B1-6	P-95-1054 / P-95-2022 P-95-1058 / P-95-2023	DMZ061595-3	P-95-6096							
		B9.21	ESS-2.5-SIS-2A1-17			P-95-6191							
			ESS-2.5-SIS-2B1-18			P-95-6194							
		B9.40	ESS-2-SIS-1A1-14			P-95-6067							
			ESS-2-SIS-1A1-4			P-95-6068							
			ESS-2-SIS-1A2-4			P-95-6065							
			ESS-2-SIS-1B1-14			P-95-6189							
			ESS-2-SIS-1B1-7			P-95-6190							

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	B-J	B9.40	ESS-2-SIS-2A1-5			P-95-6188							
			ESS-2-SIS-2B1-15			P-95-6193							
			ESS-2.5-SIS-1A1-19			P-95-6069							
			ESS-2.5-SIS-2B1-17			P-95-6195							
	C-F	C5.12	ESS-12-SIS-1LP-242LU			P-95-6066							
	F-B	F2.10	ESS-6-SIS-1A1-1PSS							P-95-4041			
			ESS-6-SIS-2B1-1PSS							P-95-4040			
		F2.30	SWS-6-CRS-4S1-PS							P-95-4043			
		F2.40	FWS-18-FWL-2S1-257APR							P-95-4055			
			SWS-6-CRS-4S1-PSS							P-95-4042			
	F-C	F3.40*	ESS-6-SIS-2A1-PR1							P-95-4044			
6													
	B-F	B5.130	PCS-12-SCS-2H1-1										
				Vendor: UT BWNT Reports for Penetration # 204									
				Vendor: PT BWNT Reports for Penetration # 204									
			PCS-12-SCS-2H1-2										
				Vendor: PT BWNT Reports for Penetration # 204									
				Vendor: UT BWNT Reports for Penetration # 204									
		B5.130R	PCS-30-RCL-2A-10			P-95-6187	DMZ062395-4						
			PCS-30-RCL-2B-9			P-95-6186	DMZ062395-3						
		B5.140	PCS-30-RCL-1A-5/2										
				Vendor: PT BWNT Reports for Penetration # 228									
			PCS-30-RCL-1B-5/2										
				Vendor: PT BWNT Reports for Penetration # 229									
			PCS-30-RCL-2A-5/2										
				Vendor: UT BWNT Reports for Penetration # 230									
				Vendor: PT BWNT Reports for Penetration # 230									

AREA	CAT.	ITEM	REFERENCE ID	UT DATA		PT DATA		MT DATA		VT DATA		RT DATA	
				DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #
	B-F	B5.140	PCS-30-RCL-2B-5/2										
				Vendor: PT BWNT Reports for Penetration # 231									
			PCS-42-RCL-1H-3/2										
				Vendor: PT BWNT Report for Penetration # 205									
	B-J	B9.11	ESS-6-SIS-1A1-11	P-95-1074 / P-95-2032 P-95-1078 / P-95-2033		P-95-6140							
			ESS-6-SIS-1A1-13	P-95-1072 / P-95-2032 P-95-1076 / P-95-2033		P-95-6139							
			ESS-6-SIS-1B1-12	P-95-1052 / P-95-2022 P-95-1056 / P-95-2023	DMZ061595-2	P-95-6093							
			ESS-6-SIS-1B1-14	P-95-1053 / P-95-2022 P-95-1057 / P-95-2023		P-95-6094							
			ESS-6-SIS-2A1-12	P-95-1073 / P-95-2032 P-95-1077 / P-95-2033		P-95-6138							
			PCS-30-RCL-1A-15										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-1B-13										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-1B-8			P-95-6209	DMZ062795-1						
			PCS-30-RCL-2A-14										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-2B-14										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-42-RCL-1H-2										
				Vendor: UT-M Westinghouse Data Package # 4									
			PCS-42-RCL-2H-2										
				Vendor: UT-M Westinghouse Data Package # 4									
			PCS-42-RCL-2H-6	P-95-1079 / P-95-2034 P-95-1080 / P-95-2035		P-95-6185	DMZ062395-2						
		B9.11R	PCS-30-RCL-1A-16										
				Vendor: UT-M Westinghouse Data Package # 6									

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	B-J	B9.11R	PCS-30-RCL-1B-14										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-2A-15										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-2B-15										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-42-RCL-1H-1										
				Vendor: UT-M Westinghouse Data Package # 4									
			PCS-42-RCL-2H-1										
				Vendor: UT-M Westinghouse Data Package # 4									
		B9.12	PCS-30-RCL-1A-15LD1										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-1A-15LD2										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-1B-13LD1										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-1B-13LD2										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-1B-14LU2										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-2A-14LD1										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-2A-14LD2										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-2B-14LD1										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-2B-14LD2										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-2B-15LU2										
				Vendor: UT-M Westinghouse Data Package # 6									

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	B-J	B9.12R	PCS-30-RCL-1A-16LU1										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-1A-16LU2										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-1B-14LU1										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-2A-15LU1										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-2A-15LU2										
				Vendor: UT-M Westinghouse Data Package # 6									
			PCS-30-RCL-2B-15LU1										
				Vendor: UT-M Westinghouse Data Package # 6									
		B9.21	CVC-2-PSS-1P1-22A			P-95-6157							
		B9.40	CVC-2-CHL-1A1-4			P-95-6063							
			CVC-2-CHL-1A1-9			P-95-6064							
			CVC-2-CHL-2A1-14			P-95-6161							
			CVC-2-CHL-2A1-43			P-95-6160							
			CVC-2-LDL-2B1-23			P-95-6153							
			CVC-2-LDL-2B1-24			P-95-6154							
			CVC-2-LDL-2B1-25			P-95-6155							
			CVC-2-LDL-2B2-23			P-95-6059							
			CVC-2-LDL-2B2-24			P-95-6060							
			CVC-2-LDL-2B2-28			P-95-6061							
			CVC-2-LDL-2B2-29			P-95-6062							
			CVC-2-PSS-1P1-1			P-95-6151							
			CVC-2-PSS-1P1-10			P-95-6149 P-95-6216	DMZ062095-4						
			CVC-2-PSS-1P1-14			P-95-6152							

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	B-J	B9.40	CVC-2-PSS-1P1-22B			P-95-6158							
			CVC-2-PSS-1P1-23			P-95-6156							
			CVC-2-PSS-1P1-30			P-95-6150	DMZ062095-3						
						P-95-6217							
			ESS-2-LTC-1B-35			P-95-6091							
			ESS-2-LTC-1B-36			P-95-6090	DMZ061495-1						
			PCS-2-CHL-2A1-47			P-95-6159							
			PCS-2-LDL-2B1-3			P-95-6168							
			PCS-2-LDL-2B1-4			P-95-6167							
			PCS-2-LDL-2B1-5			P-95-6166							
	B-K-1	B10.20	1A-S-A			P-95-6141	DMZ062095-1						
						P-95-6212	DMZ062795-3						
			1A-S-B			P-95-6142	DMZ062095-1						
						P-95-6213	DMZ062795-3						
			1A-S-C			P-95-6143	DMZ062095-1						
						P-95-6214	DMZ062795-3						
			1A-S-D			P-95-6144	DMZ062095-1						
			2B-S-A			P-95-6145	DMZ062095-2						
						P-95-6210	DMZ062795-2						
						P-95-6235	DMZ063095-1						
			2B-S-B			P-95-6146	DMZ062095-2						
			2B-S-C			P-95-6147	DMZ062095-1						
						P-95-6211	DMZ062795-2						
			2B-S-D			P-95-6148	DMZ062095-2						
	B-M-1	B12.40	MO3016-WELD	P-95-1001 / P-95-2001									
				P-95-1002 / P-95-2002									
	C-F	C5.11	ESS-14-SCS-2H1-207			P-95-6174							
		C5.12	ESS-12-SIS-1LP-234LU			P-95-6184							
			ESS-12-SIS-1LP-239LD			P-95-6183							

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	C-F	C5.12	ESS-14-SCS-2H1-203LDI			P-95-6182							
			ESS-14-SCS-2H1-203LDO			P-95-6181							
			ESS-14-SCS-2H1-203LUI			P-95-6180							
			ESS-14-SCS-2H1-203LUO			P-95-6179							
			ESS-14-SCS-2H1-204LD			P-95-6178							
			ESS-14-SCS-2H1-204LUI			P-95-6177							
			ESS-14-SCS-2H1-204LUO			P-95-6176							
			ESS-14-SCS-2H1-205LU			P-95-6175							
			ESS-14-SCS-2H1-207LD			P-95-6173							
			ESS-14-SCS-2H1-207LUI			P-95-6172							
			ESS-14-SCS-2H1-207LUO			P-95-6171							
		C5.21	ESS-12-SIS-1A1-4	P-95-1102 / P-95-2046 P-95-1106 / P-95-2047 P-95-1110 / P-95-2048		P-95-6245							
			ESS-12-SIS-1B1-12	P-95-1100 / P-95-2046 P-95-1104 / P-95-2047 P-95-1108 / P-95-2048		P-95-6246							
	F-B	F2.10	CVC-2-LDL-2B2-29PR							P-95-4058			
7													
	Aug	RG-1.14	PCS-72-RCL-1A										
				Vendor: UT TJS-01									
			PCS-72-RCL-1B										
				Vendor: UT TJS-01									
			PCS-72-RCL-2A										
				Vendor: UT TJS-02									
			PCS-72-RCL-2B										
				Vendor: UT TJS-03									

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	B-F	B5.130	PCS-12-PSL-1H1-2										
				Vendor: UT BWNT Reports for Penetration # 61									
				Vendor: PT BWNT Reports for Penetration # 61									
	B-J	B9.11	ESS-6-SIS-2B1-27	P-95-1071 / P-95-2032 P-95-1075 / P-95-2033		P-95-6137							
			PCS-12-PSL-1H1-3	P-95-1099 / P-95-2046 P-95-1103 / P-95-2047 P-95-1107 / P-95-2048		P-95-6248							
		B9.40	PCS-3-PSS-1B1-21			P-95-6192							
	C-C	C3.20	ESS-12-SIS-1A1-3PL1			P-95-6256	DMZ070795-1						
			ESS-12-SIS-1A1-3PL2			P-95-6257							
			ESS-12-SIS-1A1-3PL3			P-95-6258	DMZ070795-1						
			ESS-12-SIS-1A1-3PL4			P-95-6259							
	C-F	C5.11	ESS-12-SIS-1A5-216			P-95-17001							
			ESS-12-SIS-1A5-217			P-95-17002							
			ESS-12-SIS-1A5-220			P-95-17006							
			ESS-12-SIS-1D5-214			P-95-6165							
			ESS-12-SIS-1D5-215			P-95-6162							
		C5.12	ESS-12-SIS-1A5-216LU			P-95-17004							
			ESS-12-SIS-1A5-217LD			P-95-17003							
			ESS-12-SIS-1A5-218LU			P-95-17005							
			ESS-12-SIS-1B5-213LD			P-95-17008							
			ESS-12-SIS-1B5-214LU			P-95-17007							
			ESS-12-SIS-1C5-220LU			P-95-6163							
			ESS-12-SIS-1D5-214LU			P-95-6164							
		C5.21	ESS-12-SIS-2A1-8	P-95-1101 / P-95-2046 P-95-1105 / P-95-2047 P-95-1109 / P-95-2048		P-95-6247							

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	F-B	F2.10	ESS-12-SIS-2B1-2PRA							P-95-4059			
			PCS-4-PSS-1P1-5PR							P-95-4080			
		F2.20	ESS-12-SIS-1A5-209PR							P-95-4067			
			ESS-12-SIS-1A5-209PRA							P-95-4065			
		F2.30	ESS-12-SIS-1B5-213PR							P-95-4064			
		F2.40	FWS-18-FWL-1S1-256APR							P-95-4054			
	F-C	F3.40	ESS-12-SIS-1A5-217PR							P-95-4066			
			ESS-12-SIS-1D5-213PR							P-95-4062			
		F3.40*	ESS-12-SIS-1A1-3PR							P-95-4061			
			ESS-12-SIS-1A5-215PR							P-95-4068			
			ESS-12-SIS-1C5-213PR							P-95-4079			
			ESS-12-SIS-1C5-217PR							P-95-4063			
			ESS-12-SIS-2B1-2PR							P-95-4060			
8													
	C-C	C3.20	ESS-12-SIS-1B5-208PL1			P-95-6286							
			ESS-12-SIS-1B5-208PL2			P-95-6287							
			ESS-12-SIS-1B5-208PL3			P-95-6288							
			ESS-12-SIS-1B5-208PL4			P-95-6289							
			ESS-12-SIS-1D5-208PL1			P-95-6290							
			ESS-12-SIS-1D5-208PL2			P-95-6291							
			ESS-12-SIS-1D5-208PL3			P-95-6292							
			ESS-12-SIS-1D5-208PL4			P-95-6293							
	F-B	F2.20	ESS-12-SIS-1B5-208PRA							P-95-4077			
			ESS-12-SIS-1B5-209PR							P-95-4078			
			ESS-12-SIS-1B5-209PRA							P-95-4073			

AREA	CAT.	ITEM	REFERENCE ID	UT DATA		PT DATA		MT DATA		VT DATA		RT DATA	
				DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #
	F-B	F2.20	ESS-12-SIS-1C5-208PRA							P-95-4071			
			ESS-12-SIS-1C5-209PR							P-95-4070			
			ESS-12-SIS-1C5-209PRA							P-95-4069			
		F2.40	ESS-12-SIS-1C5-208PR							P-95-4072			
	F-C	F3.40	ESS-12-SIS-1A5-211PR2							P-95-4076			
		F3.40*	ESS-12-SIS-1A5-211PR							P-95-4075			
			ESS-12-SIS-1C5-204PR							P-95-4074			
			MSS-36-MSL-2S1-202PR							P-95-4053			
			MSS-36-MSL-2S1-204PR							P-95-4052			
9													
	C-C	C3.20	ESS-10-SIS-LPA-220PL1			P-95-6271	DMZ070795-5						
			ESS-10-SIS-LPA-220PL2			P-95-6272							
			ESS-10-SIS-LPA-220PL3			P-95-6269	DMZ070795-5						
						P-95-6275	DMZ071095-2						
			ESS-10-SIS-LPA-220PL4			P-95-6270	DMZ070795-5						
			ESS-14-SDC-LPC-201PL1			P-95-6260	DMZ070795-3						
						P-95-6276	DMZ071095-3						
			ESS-14-SDC-LPC-201PL2			P-95-6261	DMZ070795-3						
						P-95-6277	DMZ071095-3						
			ESS-6-SIS-2HP-216PL1			P-95-6262	DMZ070795-4						
			ESS-6-SIS-2HP-216PL2			P-95-6263	DMZ070795-4						
			ESS-6-SIS-2HP-216PL3			P-95-6264	DMZ070795-4						
			ESS-6-SIS-2HP-216PL4			P-95-6265	DMZ070795-4						
			ESS-8-CSS-1PA-212PL1			P-95-6025							
			ESS-8-CSS-1PA-212PL2			P-95-6024							
			ESS-8-CSS-1PA-212PL3			P-95-6026							
			ESS-8-CSS-1PA-212PL4			P-95-6027							

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	C-F	C5.11	ESS-10-SIS-LPA-218			P-95-6221							
			ESS-10-SIS-LPA-219			P-95-6222							
			ESS-12-SIS-LPA-216			P-95-6223							
			ESS-14-CSS-1PA-201			P-95-6050							
			ESS-14-CSS-1PA-202			P-95-6051							
			ESS-14-CSS-1PA-203			P-95-6055							
			ESS-14-CSS-1PA-207			P-95-6224							
			ESS-14-SIS-LPA-201			P-95-6038							
			ESS-14-SIS-LPA-202			P-95-6040							
			ESS-14-SIS-LPA-203			P-95-6044							
			ESS-14-SIS-LPA-208			P-95-6225							
			ESS-14-SIS-LPA-212			P-95-6035							
			ESS-14-SIS-LPA-215			P-95-6226							
			ESS-18-SIS-SH1-213			P-95-6229							
			ESS-18-SIS-SH1-216			P-95-6230							
			ESS-24-SIS-SH1-204			P-95-6029							
			ESS-24-SIS-SH1-205			P-95-6169	DMZ062195-1						
						P-95-6170	DMZ062395-1						
			ESS-24-SIS-SH1-206			P-95-6227							
			ESS-24-SIS-SH1-207			P-95-6002							
				Vendor: UT P-95-001									
			ESS-24-SIS-SH1-210			P-95-6228							
			ESS-6-CSS-SLA-222			P-95-6130							
			ESS-8-CSS-1PA-213			P-95-6028							
			ESS-8-SIS-LPA-217			P-95-6023							
		C5.12	ESS-10-CSS-SLA-205LD			P-95-6111							

AREA	CAT.	ITEM	REFERENCE ID	UT DATA		PT DATA		MT DATA		VT DATA		RT DATA	
				DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #
	C-F	C5.12	ESS-10-CSS-SLA-206LU			P-95-6112							
			ESS-10-SIS-LPA-221LU			P-95-6100							
			ESS-10-SIS-LPA-230LD			P-95-6097							
			ESS-12-SIS-1LP-218LU			P-95-6113							
			ESS-12-SIS-1LP-221LD			P-95-6114							
			ESS-12-SIS-1LP-222LU			P-95-6101							
			ESS-12-SIS-1LP-225LD			P-95-6129							
			ESS-12-SIS-1LP-226LU			P-95-6128							
			ESS-12-SIS-1LP-230LU			P-95-6127							
			ESS-14-CSS-1PA-201LDI			P-95-6049							
			ESS-14-CSS-1PA-201LDO			P-95-6048							
			ESS-14-CSS-1PA-202LD			P-95-6052							
			ESS-14-CSS-1PA-202LUI			P-95-6054							
			ESS-14-CSS-1PA-202LUO			P-95-6053							
			ESS-14-CSS-1PA-203LDI			P-95-6058							
			ESS-14-CSS-1PA-203LDO			P-95-6057							
			ESS-14-CSS-1PA-203LU			P-95-6056							
			ESS-14-SDC-LPC-202LU			P-95-6117							
			ESS-14-SDC-LPC-203LUI			P-95-6119							
			ESS-14-SDC-LPC-203LUO			P-95-6118							
			ESS-14-SDC-LPC-206LU			P-95-6098							
			ESS-14-SDC-LPC-210LDI			P-95-6022							
			ESS-14-SDC-LPC-210LDO			P-95-6021							
			ESS-14-SDC-LPC-210LU			P-95-6020							
			ESS-14-SDC-LPC-214LUI			P-95-6099							

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	C-F	C5.12	ESS-14-SDC-LPC-214LUO			P-95-6019							
			ESS-14-SDC-LPD-201LDI			P-95-6121							
			ESS-14-SDC-LPD-201LDO			P-95-6120							
			ESS-14-SDC-LPD-204LD			P-95-6124							
			ESS-14-SDC-LPD-204LUI			P-95-6123							
			ESS-14-SDC-LPD-204LUO			P-95-6122							
			ESS-14-SIS-HPA-202LU			P-95-6032							
			ESS-14-SIS-HPA-203LUI			P-95-6033							
			ESS-14-SIS-HPA-203LUO			P-95-6031							
			ESS-14-SIS-LPA-201LD			P-95-6039							
			ESS-14-SIS-LPA-202LDI			P-95-6041							
			ESS-14-SIS-LPA-202LDO			P-95-6042							
			ESS-14-SIS-LPA-202LU			P-95-6043							
			ESS-14-SIS-LPA-203LD			P-95-6045							
			ESS-14-SIS-LPA-203LUI			P-95-6046							
			ESS-14-SIS-LPA-203LUO			P-95-6047							
			ESS-14-SIS-LPA-212LUI			P-95-6036							
			ESS-14-SIS-LPA-212LUO			P-95-6037							
			ESS-14-SIS-LPA-213LDI			P-95-6034							
			ESS-14-SIS-LPA-213LDO			P-95-6115							
			ESS-24-SIS-SH1-205LD			P-95-6030							
	F-B	F2.20	ESS-18-SIS-SH1-213PRA							P-95-4016			
			ESS-6-SIS-2HP-216PRA							P-95-4085			
		F2.40	ESS-12-SIS-1LP-219PR							P-95-4083			
			ESS-14-SIS-HPA-207PR1							P-95-4019			

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	F-B	F2.40	ESS-14-SIS-HPA-207PR2							P-95-4018			
			P-54A-02							P-95-4006			
			P-66A-02							P-95-4012			
			P-67A-02							P-95-4011			
	F-C	F3.40	ESS-14-SIS-LPA-203PR							P-95-4017			
		F3.40*	ESS-14-SCS-2H1-213PR							P-95-4084			
			ESS-14-SIS-HPA-203PR							P-95-4021			
			ESS-14-SIS-HPA-205PR							P-95-4020			
			ESS-24-SIS-SH1-203PR							P-95-4039			
			ESS-24-SIS-SH1-209PR1							P-95-4015			
			ESS-6-SIS-HPA-215PR2							P-95-4013			
			ESS-6-SIS-HPA-218PR							P-95-4014			
10													
	C-A	C1.10R	E-60B-01	P-95-18004 / P-95-19004 P-95-18005 / P-95-19005 P-95-18006 / P-95-19006									
		C1.30R	E-60B-02	P-95-18027 / P-95-19014 P-95-18028 / P-95-19015 P-95-18029 / P-95-19016									
	C-B	C2.21R	E-60B-03	P-95-20012 / P-95-21005 P-95-20014 / P-95-21006 P-95-20016 / P-95-21007		P-95-6254							
			E-60B-04	P-95-20013 / P-95-21005 P-95-20015 / P-95-21006 P-95-20017 / P-95-21007		P-95-6255							
	C-F	C5.11	ESS-10-CSS-1PB-213			P-95-6234							
			ESS-10-CSS-1PC-216			P-95-6233							
			ESS-10-CSS-SLA-201			P-95-6109							
			ESS-10-SDC-XIA-201			P-95-6076							

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
C-F		C5.11	ESS-10-SDC-XIB-202			P-95-6080							
			ESS-12-SDC-XCO-206			P-95-6088							
			ESS-12-SDC-XCO-209			P-95-6086							
			ESS-12-SDC-XCO-210			P-95-6085							
			ESS-12-SDC-XIB-201			P-95-6075							
			ESS-12-SDC-XOA-212			P-95-6084							
			ESS-14-CSS-1PB-201			P-95-6231 P-95-6236	DMZ062995-1						
			ESS-14-CSS-1PC-201			P-95-6232 P-95-6237	DMZ062995-2						
			ESS-14-SIS-LPB-201			P-95-6218							
			ESS-14-SIS-LPB-202			P-95-6219							
			ESS-14-SIS-LPB-216			P-95-6220							
			ESS-18-SIS-SH1-219			P-95-6104							
			ESS-18-SIS-SH2-214			P-95-6240 P-95-6249	DMZ070495-3						
			ESS-18-SIS-SH2-215			P-95-6239 P-95-6250	DMZ070495-2						
			ESS-18-SIS-SH2-216			P-95-6238 P-95-6253	DMZ070495-1						
			ESS-24-SIS-SH2-204			P-95-6285	DMZ071195-2						
			ESS-24-SIS-SH2-205			P-95-6284	DMZ071195-1						
			ESS-24-SIS-SH2-207			P-95-6001							
				Vendor: UT P-95-002									
				Vendor: UT P-95-003									
			ESS-24-SIS-SH2-209			P-95-6244	DMZ070495-6						
			ESS-24-SIS-SH2-210			P-95-6243 P-95-6252	DMZ070495-5						

AREA	CAT.	ITEM	REFERENCE ID	UT DATA		PT DATA		MT DATA		VT DATA		RT DATA	
				DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #
	C-F	C5.11	ESS-24-SIS-SH2-211			P-95-6242	DMZ070495-4						
						P-95-6251							
			ESS-24-SIS-SH2-212			P-95-6241							
			SWS-16-CRS-RH1-204			P-95-6074	DMZ061395-1						
		C5.12	ESS-10-CSS-1P3-202LD			P-95-6016							
			ESS-10-CSS-SLA-201LD			P-95-6110							
			ESS-10-CSS-SLB-201LD			P-95-6108	DMZ061595-1						
						P-95-6215							
			ESS-10-SDC-XIA-201LD			P-95-6078							
			ESS-10-SDC-XIA-202LU			P-95-6077							
			ESS-10-SDC-XIA-205LU			P-95-6083							
			ESS-10-SDC-XIB-202LD			P-95-6079							
			ESS-10-SDC-XIB-203LU			P-95-6081							
			ESS-10-SDC-XOA-203LD			P-95-6107							
			ESS-10-SDC-XOA-211LU			P-95-6116							
			ESS-10-SIS-LPB-220LU			P-95-6018							
			ESS-10-SIS-LPB-227LU			P-95-6017							
			ESS-12-SDC-XCO-206LD			P-95-6087							
			ESS-12-SDC-XCO-209LU			P-95-6089							
			ESS-12-SIS-1LP-202LU			P-95-6007							
			ESS-12-SIS-1LP-203LD			P-95-6006							
			ESS-12-SIS-1LP-211LD			P-95-6082							
			ESS-14-SDC-LPD-217LDI			P-95-6011							
			ESS-14-SDC-LPD-217LDO			P-95-6012							
			ESS-14-SDC-LPD-217LU			P-95-6013							
			ESS-14-SDC-LPD-218LD			P-95-6014							

AREA	CAT.	ITEM	REFERENCE ID	UT DATA		PT DATA		MT DATA		VT DATA		RT DATA	
				DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #
	C-F	C5.12	ESS-14-SIS-LPB-214LU			P-95-6015							
			ESS-18-SIS-SH1-216LDI			P-95-6005							
			ESS-18-SIS-SH1-216LDO			P-95-6004							
			ESS-18-SIS-SH1-216LU			P-95-6003							
			ESS-18-SIS-SH1-217LD			P-95-6102							
			ESS-18-SIS-SH1-219LDI			P-95-6105							
			ESS-18-SIS-SH1-219LDO			P-95-6106							
			ESS-18-SIS-SH1-219LU			P-95-6103							
			ESS-24-SIS-SH2-206LU			P-95-6008							
			ESS-24-SIS-SH2-208LD			P-95-6010							
			ESS-24-SIS-SH2-208LU			P-95-6009							
	F-B	F2.10	ESS-10-SDC-XIA-202PR							P-95-4081			
			ESS-10-SDC-XIB-205PR							P-95-4082			
			ESS-12-SIS-1LP-208PR							P-95-4027			
		F2.30	CCS-20-CHX-RLB-PR							P-95-4038			
		F2.40	ESS-10-SIS-LPB-222PR							P-95-4025			
			ESS-12-SDC-XCO-201PR							P-95-4026			
			ESS-12-SIS-1LP-214PR							P-95-4028			
			FWS-6-AWS-OLC-PR2							P-95-4024			
			P-54B-02							P-95-4004			
			P-54C-02							P-95-4005			
			P-66B-02							P-95-4023			
			P-67B-02							P-95-4022			
	F-C	F3.40*	ESS-8-SIS-HPB-207PR							P-95-4036			

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
Aug		TS-4.12	FWS-18-FWL-1S1-241	P-95-1081 / P-95-2036 P-95-1082 / P-95-2037 P-95-1083 / P-95-2038				P-95-7039 P-95-7053					
			FWS-18-FWL-1S1-245	P-95-1004 / P-95-2003 P-95-1005 / P-95-2004 P-95-1007 / P-95-2005				P-95-7021					
			FWS-18-FWL-2S1-244	P-95-1059 / P-95-2024 P-95-1060 / P-95-2025 P-95-1061 / P-95-2026				P-95-7038					
			MSS-36-MSL-1S1-216LDI	P-95-1038 / P-95-2015 P-95-1046 / P-95-2020 P-95-1049 / P-95-2021				P-95-7018					
			MSS-36-MSL-1S1-216LDO	P-95-1037 / P-95-2015 P-95-1047 / P-95-2020 P-95-1050 / P-95-2021				P-95-7017					
			MSS-36-MSL-1S1-216LU	P-95-1039 / P-95-2015 P-95-1045 / P-95-2020 P-95-1048 / P-95-2021				P-95-7016					
			MSS-36-MSL-2S1-218	P-95-1021 / P-95-2009 P-95-1041 / P-95-2016 P-95-1043 / P-95-2017				P-95-7005					
			MSS-36-MSL-2S1-218LDI	P-95-1022 / P-95-2009 P-95-1027 / P-95-2010 P-95-1030 / P-95-2011				P-95-7006					
			MSS-36-MSL-2S1-218LDO	P-95-1024 / P-95-2009 P-95-1025 / P-95-2010 P-95-1028 / P-95-2011				P-95-7007					
			MSS-36-MSL-2S1-218LU	P-95-1023 / P-95-2009 P-95-1026 / P-95-2010 P-95-1029 / P-95-2011				P-95-7008					
C-C		C3.20	ESS-18-SIS-SH1-224PL1			P-95-6267							
			ESS-18-SIS-SH1-224PL3			P-95-6268 P-95-6274	DMZ070795-2 DMZ071095-1						
			ESS-18-SIS-SH1-224PL4			P-95-6266 P-95-6273	DMZ070795-2 DMZ071095-1						
			MSS-36-MSL-2S1-212PL					P-95-7022					

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	C-C	C3.20	MSS-8-MSV-1S1-210PL1					P-95-7027					
			MSS-8-MSV-1S1-210PL2					P-95-7028					
			MSS-8-MSV-1S1-210PL3					P-95-7029					
			MSS-8-MSV-1S1-210PL4					P-95-7030					
	C-F	C5.11	ESS-18-SIS-SH2-231			P-95-6200							
			ESS-18-SIS-SH2-241			P-95-6207							
			ESS-6-SRT-RE1-201			P-95-6125							
			FWS-6-AWS-2S1-210					P-95-7023					
			FWS-6-AWS-2S1-211					P-95-7026 P-95-7043	DMZ061295-1				
			FWS-6-AWS-2S1-212					P-95-7025					
			FWS-6-AWS-2S1-213					P-95-7024					
			MSS-6-RVR-1S10-201					P-95-7046					
			MSS-6-RVR-1S4-203	P-95-1087 / P-95-2039 P-95-1091 / P-95-2040 P-95-1094 / P-95-2041				P-95-7049					
			MSS-6-RVR-2S1-203	P-95-1086 / P-95-2039 P-95-1090 / P-95-2040 P-95-1093 / P-95-2041				P-95-7047					
			MSS-6-RVR-2S4-203	P-95-1084 / P-95-2039 P-95-1088 / P-95-2040 P-95-1095 / P-95-2042				P-95-7048					
			MSS-6-RVR-2S6-203	P-95-1085 / P-95-2039 P-95-1089 / P-95-2040 P-95-1092 / P-95-2041				P-95-7050					
			MSS-6-RVR-2S8-203	P-95-1096 / P-95-2043 P-95-1097 / P-95-2044 P-95-1098 / P-95-2045									
			MSS-8-MSV-1S1-212					P-95-7010				P-95-8001	
			MSS-8-MSV-2S1-202					P-95-7019 P-95-7044	DMZ060995-1				

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
C-F		C5.11	MSS-8-MSV-2S1-203					P-95-7045 P-95-7052	DMZ062395-5				
			MSS-8-MSV-2S1-211					P-95-7004					
			SWS-16-CRS-RH1-201			P-95-6073							
			SWS-16-CRS-RH1-202			P-95-6072							
			SWS-16-CRS-SH1-201					P-95-7031					
			VAS-8-CPU-RL1-202					P-95-7001					
			VAS-8-CPU-RL1-203					P-95-7002					
			VAS-8-CPU-RL2-202					P-95-7003					
			VAS-8-CPU-RL2-203					P-95-7009					
		C5.12	ESS-18-SIS-SH1-233LDI			P-95-6206							
			ESS-18-SIS-SH1-233LDO			P-95-6205							
			ESS-18-SIS-SH1-233LU			P-95-6204							
			ESS-18-SIS-SH2-224LDI			P-95-6196							
			ESS-18-SIS-SH2-224LDO			P-95-6197							
			ESS-18-SIS-SH2-224LUI			P-95-6198							
			ESS-18-SIS-SH2-224LUO			P-95-6199							
			ESS-18-SIS-SH2-231LD			P-95-6201							
			ESS-18-SIS-SH2-231LUI			P-95-6202							
			ESS-18-SIS-SH2-231LUO			P-95-6203							
			ESS-18-SIS-SH2-241LUI			P-95-6208							
		C5.21	FWS-18-FWL-1S1-246	P-95-1003 / P-95-2003 P-95-1006 / P-95-2004 P-95-1008 / P-95-2005				P-95-7020					
			MSS-36-MSL-1S1-212	P-95-1064 / P-95-2027 P-95-1069 / P-95-2030 P-95-1070 / P-95-2031				P-95-7042					

AREA	CAT.	ITEM	REFERENCE ID	UT DATA	UT DN #	PT DATA	PT DN #	MT DATA	MT DN #	VT DATA	VT DN #	RT DATA	RT DN #
	C-F	C5.21	MSS-36-MSL-2S1-213	P-95-1009 / P-95-2006 P-95-1016 / P-95-2007 P-95-1020 / P-95-2008				P-95-7014					
		C5.22	MSS-36-MSL-1S1-212LD1	P-95-1063 / P-95-2027 P-95-1065 / P-95-2028 P-95-1067 / P-95-2029				P-95-7041					
			MSS-36-MSL-1S1-212LU	P-95-1062 / P-95-2027 P-95-1066 / P-95-2028 P-95-1068 / P-95-2029				P-95-7040					
			MSS-36-MSL-2S1-213LD	P-95-1010 / P-95-2006 P-95-1015 / P-95-2007 P-95-1019 / P-95-2008				P-95-7013					
			MSS-36-MSL-2S1-213LUI	P-95-1011 / P-95-2006 P-95-1014 / P-95-2007 P-95-1018 / P-95-2008				P-95-7012					
			MSS-36-MSL-2S1-213LUO	P-95-1012 / P-95-2006 P-95-1013 / P-95-2007 P-95-1017 / P-95-2008				P-95-7011					
		C5.31	MSS-36-MSL-1S1-211A/6I					P-95-7051					
	F-B	F2.10	MSS-36-MSL-1S1-210PLS							P-95-4003			
		F2.20	VAS-8-CPU-RL1-205PR							P-95-4001			
			VAS-8-CPU-RL2-206PR							P-95-4002			
	N/A	N/A	MSS-36-MSL-1S1-216	P-95-1040 / P-95-2015 P-95-1042 / P-95-2016 P-95-1044 / P-95-2017				P-95-7015					
12													
	F-B	F2.30	SWS-24-SWP-CDL-PR							P-95-4010			
14													
	F-B	F2.10	SFP-8-CPL-DL1-PR5							P-95-4029			
15													
	F-B	F2.10	VAS-12-CPU-SL2-203PR							P-95-4032			
19													
	F-B	F2.10	FWS-2-AWS-OLC-PR18							P-95-4007			

AREA	CAT.	ITEM	REFERENCE ID	UT DATA		PT DATA		MT DATA		VT DATA		RT DATA	
				DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #	DATA	DN #
	F-B	F2.10	FWS-2-AWS-OLC-PR7							P-95-4009			
			FWS-2-AWS-OLC-PR8							P-95-4008			
21													
	F-B	F2.40	P-55A-02							P-95-4033			
			P-55B-02							P-95-4034			
			P-55C-02							P-95-4035			
22													
	F-B	F2.40	P-56A-02							P-95-4030			
			P-56B-02							P-95-4031			

ATTACHMENT 3

NDE DATA RESULTS REPORT

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
Aug					
	FWS				
		FWS-18-FWL-1S1-241	Acceptable	UT	
				MT	
		FWS-18-FWL-1S1-245	Acceptable	UT	
				MT	
		FWS-18-FWL-2S1-244	Acceptable	UT	
				MT	
	MSS				
		MSS-36-MSL-1S1-216LDI	Acceptable	UT	
				MT	
		MSS-36-MSL-1S1-216LDO	Acceptable	UT	
				MT	
		MSS-36-MSL-1S1-216LU	Acceptable	UT	
				MT	
		MSS-36-MSL-2S1-218	Acceptable	UT	
				MT	
		MSS-36-MSL-2S1-218LDI	Acceptable	UT	
				MT	
		MSS-36-MSL-2S1-218LDO	Acceptable	UT	
				MT	
		MSS-36-MSL-2S1-218LU	Acceptable	UT	
				MT	
	PCS				
		PCS-72-RCL-1A	Acceptable	UT	
		PCS-72-RCL-1B	Acceptable	UT	
		PCS-72-RCL-2A	Acceptable	UT	
		PCS-72-RCL-2B	Acceptable	UT	
B-A					
	RPV				
		1-112A	Acceptable	UT-M	
		1-112B	Acceptable	UT-M	
		1-112C	Acceptable	UT-M	
		1-113A	Acceptable	UT-M	
		1-113B	Acceptable	UT-M	
		1-113C	Acceptable	UT-M	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		1-113D	Acceptable	UT-M	
		1-113E	Acceptable	UT-M	
		1-113F	Acceptable	UT-M	
		10-112	Acceptable	UT-M	
		2-112A	Acceptable	UT-M	
		2-112B	Acceptable	UT-M	
		2-112C	Acceptable	UT-M	
		3-112A	Acceptable	UT-M	
		3-112B	Acceptable	UT-M	
		3-112C	Acceptable	UT-M	
		4-113	Acceptable	UT-M	
		7-112	Acceptable	UT-M	
		8-112	Acceptable	UT-M	
		9-112	Acceptable	UT-M	
	RVH				
		1-118F	Acceptable	UT	
		6-118A	Acceptable	UT	
				MT	
B-B					
	PR				
		2-982A	Acceptable	UT	
	RGA				
		E-56A-03	Acceptable	UT	
		E-56A-04	Acceptable	UT	
	RGB				
		E-56B-03	Acceptable	UT	
		E-56B-04	Acceptable	UT	
B-D					
	PR				
		3-985	Acceptable	UT	
		8-986	Acceptable	UT	
		8-986-IRS	Acceptable	UT	
		8-986C	Acceptable	UT	
		8-986C-IRS	Acceptable	UT	
	RPV				
		5-114A	Acceptable	UT-M	
		5-114A-IRS	Acceptable	UT-M	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		5-114B	Acceptable	UT-M	
		5-114B-IRS	Acceptable	UT-M	
		5-114C	Acceptable	UT-M	
		5-114C-IRS	Acceptable	UT-M	
		5-114D	Acceptable	UT-M	
		5-114D-IRS	Acceptable	UT-M	
		5-114E	Acceptable	UT-M	
		5-114E-IRS	Acceptable	UT-M	
		5-114F	Acceptable	UT-M	
		5-114F-IRS	Acceptable	UT-M	
B-F					
	PCS				
		PCS-12-PSL-1H1-1	Acceptable	UT	
				PT	
		PCS-12-PSL-1H1-2	Acceptable	UT	
				PT	
		PCS-12-SCS-2H1-1	Acceptable	UT	
				PT	
		PCS-12-SCS-2H1-2	Acceptable	UT	
				PT	
		PCS-30-RCL-1A-5/2	Acceptable	PT	
		PCS-30-RCL-1B-5/2	Acceptable	PT	
		PCS-30-RCL-2A-10	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		PCS-30-RCL-2A-5/2	Acceptable	UT	
				PT	
		PCS-30-RCL-2B-5/2	Acceptable	PT	
		PCS-30-RCL-2B-9	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		PCS-4-PRS-1P1-1A	Acceptable	UT	
				PT	
		PCS-42-RCL-1H-3/2	Acceptable	PT	
B-G-1					
	RPV				
		RPV-LIGAMENTS	Acceptable	UT-M	
	RVH				
		RPVCH S/N 01 NUT	Acceptable	MT	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		RPVCH S/N 01 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 02 NUT	Acceptable	MT	
		RPVCH S/N 02 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 02 WASHER	Acceptable	VT-1	
		RPVCH S/N 03 WASHER	Acceptable	VT-1	
		RPVCH S/N 21 NUT	Acceptable	MT	
		RPVCH S/N 21 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 21 WASHER	Acceptable	VT-1	
		RPVCH S/N 22 NUT	Acceptable	MT	
		RPVCH S/N 22 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 22 WASHER	Acceptable	VT-1	
		RPVCH S/N 23 NUT	Acceptable	MT	
		RPVCH S/N 23 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 23 WASHER	Acceptable	VT-1	
		RPVCH S/N 24 NUT	Acceptable	MT	
		RPVCH S/N 24 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 24 WASHER	Acceptable	VT-1	
		RPVCH S/N 25 NUT	Acceptable	MT	
		RPVCH S/N 25 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 25 WASHER	Acceptable	VT-1	
		RPVCH S/N 26 NUT	Acceptable	MT	
		RPVCH S/N 26 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 26 WASHER	Acceptable	VT-1	
		RPVCH S/N 27 NUT	Acceptable	MT	
		RPVCH S/N 27 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 27 WASHER	Acceptable	VT-1	
		RPVCH S/N 28 NUT	Acceptable	MT	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		RPVCH S/N 28 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 28 WASHER	Acceptable	VT-1	
		RPVCH S/N 47 NUT	Acceptable	MT	
		RPVCH S/N 47 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 47 WASHER	Acceptable	VT-1	
		RPVCH S/N 48 NUT	Acceptable	MT	
		RPVCH S/N 48 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 48 WASHER	Acceptable	VT-1	
		RPVCH S/N 49 NUT	Acceptable	MT	
		RPVCH S/N 49 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 49 WASHER	Acceptable	VT-1	
		RPVCH S/N 50 NUT	Acceptable	MT	
		RPVCH S/N 50 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 50 WASHER	Acceptable	VT-1	
		RPVCH S/N 51 NUT	Acceptable	MT	
		RPVCH S/N 51 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 51 WASHER	Acceptable	VT-1	
		RPVCH S/N 52 NUT	Acceptable	MT	
		RPVCH S/N 52 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 52 WASHER	Acceptable	VT-1	
		RPVCH S/N 53 NUT	Acceptable	MT	
		RPVCH S/N 53 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 53 WASHER	Acceptable	VT-1	
		RPVCH S/N 54 NUT	Acceptable	MT	
		RPVCH S/N 54 STUD	Acceptable	UT	
				MT	
		RPVCH S/N 54 WASHER	Acceptable	VT-1	
B-G-2					
	PCS				

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		PCS-4-PRS-1P2-3BT	Acceptable	VT-1	
		PCS-4-PRS-1P3-8BT	Acceptable	VT-1	
	SG2				
		PRIMARY MANWAY # 1	Acceptable	VT-1	
		PRIMARY MANWAY # 2	Acceptable	VT-1	
B-H					
	PR				
		4-984/5-984	Acceptable	MT	
B-J					
	CVC				
		CVC-2-CHL-1A1-4	Acceptable	PT	
		CVC-2-CHL-1A1-9	Acceptable	PT	
		CVC-2-CHL-2A1-14	Acceptable	PT	
		CVC-2-CHL-2A1-43	Acceptable	PT	
		CVC-2-LDL-2B1-23	Acceptable	PT	
		CVC-2-LDL-2B1-24	Acceptable	PT	
		CVC-2-LDL-2B1-25	Acceptable	PT	
		CVC-2-LDL-2B2-23	Acceptable	PT	
		CVC-2-LDL-2B2-24	Acceptable	PT	
		CVC-2-LDL-2B2-28	Acceptable	PT	
		CVC-2-LDL-2B2-29	Acceptable	PT	
		CVC-2-PSS-1P1-1	Acceptable	PT	
		CVC-2-PSS-1P1-10	Acceptable	PT	
		CVC-2-PSS-1P1-14	Acceptable	PT	
		CVC-2-PSS-1P1-22A	Acceptable	PT	
		CVC-2-PSS-1P1-22B	Acceptable	PT	
		CVC-2-PSS-1P1-23	Acceptable	PT	
		CVC-2-PSS-1P1-30	Acceptable	PT	
		PCS-2-CHL-2A1-47	Acceptable	PT	
	ESS				
		ESS-2-LTC-1B-35	Acceptable	PT	
		ESS-2-LTC-1B-36	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-2-SIS-1A1-14	Acceptable	PT	
		ESS-2-SIS-1A1-4	Acceptable	PT	
		ESS-2-SIS-1A2-4	Acceptable	PT	
		ESS-2-SIS-1B1-14	Acceptable	PT	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		ESS-2-SIS-1B1-7	Acceptable	PT	
		ESS-2-SIS-2A1-5	Acceptable	PT	
		ESS-2-SIS-2B1-15	Acceptable	PT	
		ESS-2.5-SIS-1A1-19	Acceptable	PT	
		ESS-2.5-SIS-2A1-17	Acceptable	PT	
		ESS-2.5-SIS-2B1-17	Acceptable	PT	
		ESS-2.5-SIS-2B1-18	Acceptable	PT	
		ESS-6-SIS-1A1-11	Acceptable	UT PT	
		ESS-6-SIS-1A1-13	Acceptable	UT PT	
		ESS-6-SIS-1B1-12	Satisfactory	UT PT	DN issued and evaluated as acceptable per Section XI.
		ESS-6-SIS-1B1-14	Acceptable	UT PT	
		ESS-6-SIS-1B1-9	Acceptable	UT PT	
		ESS-6-SIS-2A1-12	Acceptable	UT PT	
		ESS-6-SIS-2B1-27	Acceptable	UT PT	
		ESS-6-SIS-2B1-6	Satisfactory	UT PT	DN issued and evaluated as acceptable per Section XI.
PCS					
		PCS-12-PSL-1H1-3	Acceptable	UT PT	
		PCS-2-LDL-2B1-3	Acceptable	PT	
		PCS-2-LDL-2B1-4	Acceptable	PT	
		PCS-2-LDL-2B1-5	Acceptable	PT	
		PCS-3-PSS-1B1-21	Acceptable	PT	
		PCS-30-RCL-1A-15	Acceptable	UT-M	
		PCS-30-RCL-1A-15LD1	Acceptable	UT-M	
		PCS-30-RCL-1A-15LD2	Acceptable	UT-M	
		PCS-30-RCL-1A-16	Acceptable	UT-M	
		PCS-30-RCL-1A-16LU1	Acceptable	UT-M	
		PCS-30-RCL-1A-16LU2	Acceptable	UT-M	
		PCS-30-RCL-1B-13	Acceptable	UT-M	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		PCS-30-RCL-1B-13LD1	Acceptable	UT-M	
		PCS-30-RCL-1B-13LD2	Acceptable	UT-M	
		PCS-30-RCL-1B-14	Acceptable	UT-M	
		PCS-30-RCL-1B-14LU1	Acceptable	UT-M	
		PCS-30-RCL-1B-14LU2	Acceptable	UT-M	
		PCS-30-RCL-1B-8	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		PCS-30-RCL-2A-14	Acceptable	UT-M	
		PCS-30-RCL-2A-14LD1	Acceptable	UT-M	
		PCS-30-RCL-2A-14LD2	Acceptable	UT-M	
		PCS-30-RCL-2A-15	Acceptable	UT-M	
		PCS-30-RCL-2A-15LU1	Acceptable	UT-M	
		PCS-30-RCL-2A-15LU2	Acceptable	UT-M	
		PCS-30-RCL-2B-14	Acceptable	UT-M	
		PCS-30-RCL-2B-14LD1	Acceptable	UT-M	
		PCS-30-RCL-2B-14LD2	Acceptable	UT-M	
		PCS-30-RCL-2B-15	Acceptable	UT-M	
		PCS-30-RCL-2B-15LU1	Acceptable	UT-M	
		PCS-30-RCL-2B-15LU2	Acceptable	UT-M	
		PCS-4-PRS-1P3-1	Acceptable	UT PT	
		PCS-4-PRS-1P3-3	Acceptable	UT PT	
		PCS-42-RCL-1H-1	Acceptable	UT-M	
		PCS-42-RCL-1H-2	Acceptable	UT-M	
		PCS-42-RCL-2H-1	Acceptable	UT-M	
		PCS-42-RCL-2H-2	Acceptable	UT-M	
		PCS-42-RCL-2H-6	Satisfactory	UT PT	DN issued and evaluated as acceptable per Section XI.
B-K-1					
	P1A				
		1A-S-A	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		1A-S-B	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		1A-S-C	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		1A-S-D	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
	P2B				
		2B-S-A	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		2B-S-B	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		2B-S-C	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		2B-S-D	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
B-M-1					
	PCS				
		MO3016-WELD	Acceptable	UT	
B-N-1					
	RPV				
		RPV-VESSEL INTERIOR	Acceptable	VT-3	
B-N-2					
	RPV				
		RPV WELDED	Acceptable	VT-1	
		RPV-WELD ATTACHMENT	Acceptable	VT-3	
B-N-3					
	RPV				
		RPV-CORE SUP STRUC W	Acceptable	VT-3	
B-O					
	RVH				
		119-38-A	Acceptable	PT	
		119-38-B	Acceptable	PT	
		119-38-C	Acceptable	PT	
		119-38-D	Acceptable	PT	
		119-38-E	Acceptable	PT	
		119-46-A	Acceptable	PT	
C-A					
	SCB				
		E-60B-01	Acceptable	UT	
		E-60B-02	Acceptable	UT	
C-B					
	SCB				
		E-60B-03	Acceptable	UT PT	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		E-60B-04	Acceptable	UT PT	
C-C					
	ESS				
		ESS-10-SIS-LPA-220PL1	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-10-SIS-LPA-220PL2	Acceptable	PT	
		ESS-10-SIS-LPA-220PL3	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-10-SIS-LPA-220PL4	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-12-SIS-1A1-3PL1	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-12-SIS-1A1-3PL2	Acceptable	PT	
		ESS-12-SIS-1A1-3PL3	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-12-SIS-1A1-3PL4	Acceptable	PT	
		ESS-12-SIS-1B5-208PL1	Acceptable	PT	
		ESS-12-SIS-1B5-208PL2	Acceptable	PT	
		ESS-12-SIS-1B5-208PL3	Acceptable	PT	
		ESS-12-SIS-1B5-208PL4	Acceptable	PT	
		ESS-12-SIS-1D5-208PL1	Acceptable	PT	
		ESS-12-SIS-1D5-208PL2	Acceptable	PT	
		ESS-12-SIS-1D5-208PL3	Acceptable	PT	
		ESS-12-SIS-1D5-208PL4	Acceptable	PT	
		ESS-14-SDC-LPC-201PL1	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-14-SDC-LPC-201PL2	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-18-SIS-SH1-224PL1	Acceptable	PT	
		ESS-18-SIS-SH1-224PL3	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-18-SIS-SH1-224PL4	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-6-SIS-2HP-216PL1	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-6-SIS-2HP-216PL2	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-6-SIS-2HP-216PL3	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		ESS-6-SIS-2HP-216PL4	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-8-CSS-1PA-212PL1	Acceptable	PT	
		ESS-8-CSS-1PA-212PL2	Acceptable	PT	
		ESS-8-CSS-1PA-212PL3	Acceptable	PT	
		ESS-8-CSS-1PA-212PL4	Acceptable	PT	
	MSS				
		MSS-36-MSL-2S1-212PL	Acceptable	MT	
		MSS-8-MSV-1S1-210PL1	Acceptable	MT	
		MSS-8-MSV-1S1-210PL2	Acceptable	MT	
		MSS-8-MSV-1S1-210PL3	Acceptable	MT	
		MSS-8-MSV-1S1-210PL4	Acceptable	MT	
	SG1				
		1-A	Acceptable	PT	
				MT	
		1-B	Acceptable	PT	
				MT	
		1-C	Acceptable	PT	
				MT	
		1-D	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
				MT	
		1-E	Acceptable	PT	
				MT	
		1-F	Acceptable	PT	
				MT	
C-F					
	ESS				
		ESS-10-CSS-1P3-202LD	Acceptable	PT	
		ESS-10-CSS-1PB-213	Acceptable	PT	
		ESS-10-CSS-1PC-216	Acceptable	PT	
		ESS-10-CSS-SLA-201	Acceptable	PT	
		ESS-10-CSS-SLA-201LD	Acceptable	PT	
		ESS-10-CSS-SLA-205LD	Acceptable	PT	
		ESS-10-CSS-SLA-206LU	Acceptable	PT	
		ESS-10-CSS-SLB-201LD	Acceptable	PT	
		ESS-10-SDC-XIA-201	Acceptable	PT	
		ESS-10-SDC-XIA-201LD	Acceptable	PT	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		ESS-10-SDC-XIA-202LU	Acceptable	PT	
		ESS-10-SDC-XIA-205LU	Acceptable	PT	
		ESS-10-SDC-XIB-202	Acceptable	PT	
		ESS-10-SDC-XIB-202LD	Acceptable	PT	
		ESS-10-SDC-XIB-203LU	Acceptable	PT	
		ESS-10-SDC-XOA-203LD	Acceptable	PT	
		ESS-10-SDC-XOA-211LU	Acceptable	PT	
		ESS-10-SIS-LPA-218	Acceptable	PT	
		ESS-10-SIS-LPA-219	Acceptable	PT	
		ESS-10-SIS-LPA-221LU	Acceptable	PT	
		ESS-10-SIS-LPA-230LD	Acceptable	PT	
		ESS-10-SIS-LPB-220LU	Acceptable	PT	
		ESS-10-SIS-LPB-227LU	Acceptable	PT	
		ESS-12-SDC-XCO-206	Acceptable	PT	
		ESS-12-SDC-XCO-206LD	Acceptable	PT	
		ESS-12-SDC-XCO-209	Acceptable	PT	
		ESS-12-SDC-XCO-209LU	Acceptable	PT	
		ESS-12-SDC-XCO-210	Acceptable	PT	
		ESS-12-SDC-XIB-201	Acceptable	PT	
		ESS-12-SDC-XOA-212	Acceptable	PT	
		ESS-12-SIS-1A1-4	Acceptable	UT	
				PT	
		ESS-12-SIS-1A5-216	Acceptable	PT	
		ESS-12-SIS-1A5-216LU	Acceptable	PT	
		ESS-12-SIS-1A5-217	Acceptable	PT	
		ESS-12-SIS-1A5-217LD	Acceptable	PT	
		ESS-12-SIS-1A5-218LU	Acceptable	PT	
		ESS-12-SIS-1A5-220	Acceptable	PT	
		ESS-12-SIS-1B1-12	Acceptable	UT	
				PT	
		ESS-12-SIS-1B5-213LD	Acceptable	PT	
		ESS-12-SIS-1B5-214LU	Acceptable	PT	
		ESS-12-SIS-1C5-220LU	Acceptable	PT	
		ESS-12-SIS-1D5-214	Acceptable	PT	
		ESS-12-SIS-1D5-214LU	Acceptable	PT	
		ESS-12-SIS-1D5-215	Acceptable	PT	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		ESS-12-SIS-1LP-202LU	Acceptable	PT	
		ESS-12-SIS-1LP-203LD	Acceptable	PT	
		ESS-12-SIS-1LP-211LD	Acceptable	PT	
		ESS-12-SIS-1LP-218LU	Acceptable	PT	
		ESS-12-SIS-1LP-221LD	Acceptable	PT	
		ESS-12-SIS-1LP-222LU	Acceptable	PT	
		ESS-12-SIS-1LP-225LD	Acceptable	PT	
		ESS-12-SIS-1LP-226LU	Acceptable	PT	
		ESS-12-SIS-1LP-230LU	Acceptable	PT	
		ESS-12-SIS-1LP-234LU	Acceptable	PT	
		ESS-12-SIS-1LP-239LD	Acceptable	PT	
		ESS-12-SIS-1LP-242LU	Acceptable	PT	
		ESS-12-SIS-2A1-8	Acceptable	UT	
				PT	
		ESS-12-SIS-LPA-216	Acceptable	PT	
		ESS-14-CSS-1PA-201	Acceptable	PT	
		ESS-14-CSS-1PA-201LDI	Acceptable	PT	
		ESS-14-CSS-1PA-201LDO	Acceptable	PT	
		ESS-14-CSS-1PA-202	Acceptable	PT	
		ESS-14-CSS-1PA-202LD	Acceptable	PT	
		ESS-14-CSS-1PA-202LUI	Acceptable	PT	
		ESS-14-CSS-1PA-202LUO	Acceptable	PT	
		ESS-14-CSS-1PA-203	Acceptable	PT	
		ESS-14-CSS-1PA-203LDI	Acceptable	PT	
		ESS-14-CSS-1PA-203LDO	Acceptable	PT	
		ESS-14-CSS-1PA-203LU	Acceptable	PT	
		ESS-14-CSS-1PA-207	Acceptable	PT	
		ESS-14-CSS-1PB-201	Acceptable	PT	
		ESS-14-CSS-1PC-201	Acceptable	PT	
		ESS-14-SCS-2H1-203LDI	Acceptable	PT	
		ESS-14-SCS-2H1-203LDO	Acceptable	PT	
		ESS-14-SCS-2H1-203LUI	Acceptable	PT	
		ESS-14-SCS-2H1-203LUO	Acceptable	PT	
		ESS-14-SCS-2H1-204LD	Acceptable	PT	
		ESS-14-SCS-2H1-204LUI	Acceptable	PT	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		ESS-14-SCS-2H1-204LUO	Acceptable	PT	
		ESS-14-SCS-2H1-205LU	Acceptable	PT	
		ESS-14-SCS-2H1-207	Acceptable	PT	
		ESS-14-SCS-2H1-207LD	Acceptable	PT	
		ESS-14-SCS-2H1-207LUI	Acceptable	PT	
		ESS-14-SCS-2H1-207LUO	Acceptable	PT	
		ESS-14-SDC-LPC-202LU	Acceptable	PT	
		ESS-14-SDC-LPC-203LUI	Acceptable	PT	
		ESS-14-SDC-LPC-203LUO	Acceptable	PT	
		ESS-14-SDC-LPC-206LU	Acceptable	PT	
		ESS-14-SDC-LPC-210LDI	Acceptable	PT	
		ESS-14-SDC-LPC-210LDO	Acceptable	PT	
		ESS-14-SDC-LPC-210LU	Acceptable	PT	
		ESS-14-SDC-LPC-214LUI	Acceptable	PT	
		ESS-14-SDC-LPC-214LUO	Acceptable	PT	
		ESS-14-SDC-LPD-201LDI	Acceptable	PT	
		ESS-14-SDC-LPD-201LDO	Acceptable	PT	
		ESS-14-SDC-LPD-204LD	Acceptable	PT	
		ESS-14-SDC-LPD-204LUI	Acceptable	PT	
		ESS-14-SDC-LPD-204LUO	Acceptable	PT	
		ESS-14-SDC-LPD-217LDI	Acceptable	PT	
		ESS-14-SDC-LPD-217LDO	Acceptable	PT	
		ESS-14-SDC-LPD-217LU	Acceptable	PT	
		ESS-14-SDC-LPD-218LD	Acceptable	PT	
		ESS-14-SIS-HPA-202LU	Acceptable	PT	
		ESS-14-SIS-HPA-203LUI	Acceptable	PT	
		ESS-14-SIS-HPA-203LUO	Acceptable	PT	
		ESS-14-SIS-LPA-201	Acceptable	PT	
		ESS-14-SIS-LPA-201LD	Acceptable	PT	
		ESS-14-SIS-LPA-202	Acceptable	PT	
		ESS-14-SIS-LPA-202LDI	Acceptable	PT	
		ESS-14-SIS-LPA-202LDO	Acceptable	PT	
		ESS-14-SIS-LPA-202LU	Acceptable	PT	
		ESS-14-SIS-LPA-203	Acceptable	PT	
		ESS-14-SIS-LPA-203LD	Acceptable	PT	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		ESS-14-SIS-LPA-203LUI	Acceptable	PT	
		ESS-14-SIS-LPA-203LUO	Acceptable	PT	
		ESS-14-SIS-LPA-208	Acceptable	PT	
		ESS-14-SIS-LPA-212	Acceptable	PT	
		ESS-14-SIS-LPA-212LUI	Acceptable	PT	
		ESS-14-SIS-LPA-212LUO	Acceptable	PT	
		ESS-14-SIS-LPA-213LDI	Acceptable	PT	
		ESS-14-SIS-LPA-213LDO	Acceptable	PT	
		ESS-14-SIS-LPA-215	Acceptable	PT	
		ESS-14-SIS-LPB-201	Acceptable	PT	
		ESS-14-SIS-LPB-202	Acceptable	PT	
		ESS-14-SIS-LPB-214LU	Acceptable	PT	
		ESS-14-SIS-LPB-216	Acceptable	PT	
		ESS-18-SIS-SH1-213	Acceptable	PT	
		ESS-18-SIS-SH1-216	Acceptable	PT	
		ESS-18-SIS-SH1-216LDI	Acceptable	PT	
		ESS-18-SIS-SH1-216LDO	Acceptable	PT	
		ESS-18-SIS-SH1-216LU	Acceptable	PT	
		ESS-18-SIS-SH1-217LD	Acceptable	PT	
		ESS-18-SIS-SH1-219	Acceptable	PT	
		ESS-18-SIS-SH1-219LDI	Acceptable	PT	
		ESS-18-SIS-SH1-219LDO	Acceptable	PT	
		ESS-18-SIS-SH1-219LU	Acceptable	PT	
		ESS-18-SIS-SH1-233LDI	Acceptable	PT	
		ESS-18-SIS-SH1-233LDO	Acceptable	PT	
		ESS-18-SIS-SH1-233LU	Acceptable	PT	
		ESS-18-SIS-SH2-214	Acceptable	PT	
		ESS-18-SIS-SH2-215	Acceptable	PT	
		ESS-18-SIS-SH2-216	Acceptable	PT	
		ESS-18-SIS-SH2-224LDI	Acceptable	PT	
		ESS-18-SIS-SH2-224LDO	Acceptable	PT	
		ESS-18-SIS-SH2-224LUI	Acceptable	PT	
		ESS-18-SIS-SH2-224LUO	Acceptable	PT	
		ESS-18-SIS-SH2-231	Acceptable	PT	
		ESS-18-SIS-SH2-231LD	Acceptable	PT	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		ESS-18-SIS-SH2-231LUI	Acceptable	PT	
		ESS-18-SIS-SH2-231LUO	Acceptable	PT	
		ESS-18-SIS-SH2-241	Acceptable	PT	
		ESS-18-SIS-SH2-241LUI	Acceptable	PT	
		ESS-24-SIS-SH1-204	Acceptable	PT	
		ESS-24-SIS-SH1-205	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-24-SIS-SH1-205LD	Acceptable	PT	
		ESS-24-SIS-SH1-206	Acceptable	PT	
		ESS-24-SIS-SH1-207	Acceptable	UT PT	Weld Overlay Examination
		ESS-24-SIS-SH1-210	Acceptable	PT	
		ESS-24-SIS-SH2-204	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-24-SIS-SH2-205	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-24-SIS-SH2-206LU	Acceptable	PT	
		ESS-24-SIS-SH2-207	Acceptable	UT PT	Weld Overlay Examination
		ESS-24-SIS-SH2-208LD	Acceptable	PT	
		ESS-24-SIS-SH2-208LU	Acceptable	PT	
		ESS-24-SIS-SH2-209	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		ESS-24-SIS-SH2-210	Acceptable	PT	
		ESS-24-SIS-SH2-211	Acceptable	PT	
		ESS-24-SIS-SH2-212	Acceptable	PT	
		ESS-6-CSS-SLA-222	Acceptable	PT	
		ESS-6-SRT-RE1-201	Acceptable	PT	
		ESS-8-CSS-1PA-213	Acceptable	PT	
		ESS-8-SIS-LPA-217	Acceptable	PT	
	FWS				
		FWS-18-FWL-1S1-246	Acceptable	UT MT	
		FWS-6-AWS-2S1-210	Acceptable	MT	
		FWS-6-AWS-2S1-211	Acceptable	MT	
		FWS-6-AWS-2S1-212	Acceptable	MT	
		FWS-6-AWS-2S1-213	Acceptable	MT	
	MSS				

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		MSS-36-MSL-1S1-211A/6I	Acceptable	MT	
		MSS-36-MSL-1S1-212	Acceptable	UT	
				MT	
		MSS-36-MSL-1S1-212LD1	Acceptable	UT	
				MT	
		MSS-36-MSL-1S1-212LU	Acceptable	UT	
				MT	
		MSS-36-MSL-2S1-213	Acceptable	UT	
				MT	
		MSS-36-MSL-2S1-213LD	Acceptable	UT	
				MT	
		MSS-36-MSL-2S1-213LUI	Acceptable	UT	
				MT	
		MSS-36-MSL-2S1-213LUO	Acceptable	UT	
				MT	
		MSS-6-RVR-1S10-201	Acceptable	MT	
		MSS-6-RVR-1S4-203	Acceptable	UT	
				MT	
		MSS-6-RVR-2S1-203	Acceptable	UT	
				MT	
		MSS-6-RVR-2S4-203	Acceptable	UT	
				MT	
		MSS-6-RVR-2S6-203	Acceptable	UT	
				MT	
		MSS-6-RVR-2S8-203	Acceptable	UT	
		MSS-8-MSV-1S1-212	Acceptable	MT	
				RT	
		MSS-8-MSV-2S1-202	Acceptable	MT	
		MSS-8-MSV-2S1-203	Acceptable	MT	
		MSS-8-MSV-2S1-211	Acceptable	MT	
	SWS				
		SWS-16-CRS-RH1-201	Acceptable	PT	
		SWS-16-CRS-RH1-202	Acceptable	PT	
		SWS-16-CRS-RH1-204	Satisfactory	PT	DN issued and evaluated as acceptable per Section XI.
		SWS-16-CRS-SH1-201	Acceptable	MT	
	VAS				
		VAS-8-CPU-RL1-202	Acceptable	MT	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		VAS-8-CPU-RL1-203	Acceptable	MT	
		VAS-8-CPU-RL2-202	Acceptable	MT	
		VAS-8-CPU-RL2-203	Acceptable	MT	
F-A					
	PR				
		4-984/5-984-SS	Acceptable	VT-3	
	RGA				
		E-56A-S-01	Acceptable	VT-3	
	SG1				
		1-SK-SS	Acceptable	VT-3	
	SG2				
		2-SK-SS	Acceptable	VT-3	
F-B					
	CBA				
		P-56A-02	Acceptable	VT-3	
	CBB				
		P-56B-02	Acceptable	VT-3	
	CCS				
		CCS-20-CHX-RLB-PR	Acceptable	VT-3	
	CPA				
		P-55A-02	Acceptable	VT-3	
	CPB				
		P-55B-02	Acceptable	VT-3	
	CPC				
		P-55C-02	Acceptable	VT-3	
	CSA				
		P-54A-02	Acceptable	VT-3	
	CSB				
		P-54B-02	Acceptable	VT-3	
	CSC				
		P-54C-02	Acceptable	VT-3	
	CVC				
		CVC-2-LDL-2B2-29PR	Acceptable	VT-3	
	ESS				
		ESS-10-SDC-XIA-202PR	Acceptable	VT-3	
		ESS-10-SDC-XIB-205PR	Acceptable	VT-3	
		ESS-10-SIS-LPB-222PR	Acceptable	VT-3	
		ESS-12-SDC-XCO-201PR	Acceptable	VT-3	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		ESS-12-SIS-1A5-209PR	Acceptable	VT-3	
		ESS-12-SIS-1A5-209PRA	Acceptable	VT-3	
		ESS-12-SIS-1B5-208PRA	Acceptable	VT-3	
		ESS-12-SIS-1B5-209PR	Acceptable	VT-3	
		ESS-12-SIS-1B5-209PRA	Acceptable	VT-3	
		ESS-12-SIS-1B5-213PR	Acceptable	VT-3	
		ESS-12-SIS-1C5-208PR	Acceptable	VT-3	
		ESS-12-SIS-1C5-208PRA	Acceptable	VT-3	
		ESS-12-SIS-1C5-209PR	Acceptable	VT-3	
		ESS-12-SIS-1C5-209PRA	Acceptable	VT-3	
		ESS-12-SIS-1LP-208PR	Acceptable	VT-3	
		ESS-12-SIS-1LP-214PR	Acceptable	VT-3	
		ESS-12-SIS-1LP-219PR	Acceptable	VT-3	
		ESS-12-SIS-2B1-2PRA	Acceptable	VT-3	
		ESS-14-SIS-HPA-207PR1	Acceptable	VT-3	
		ESS-14-SIS-HPA-207PR2	Acceptable	VT-3	
		ESS-18-SIS-SH1-213PRA	Acceptable	VT-3	
		ESS-6-SIS-1A1-1PSS	Acceptable	VT-3	
		ESS-6-SIS-2B1-1PSS	Acceptable	VT-3	
		ESS-6-SIS-2HP-216PRA	Acceptable	VT-3	
FWS					
		FWS-18-FWL-1S1-256APR	Acceptable	VT-3	
		FWS-18-FWL-2S1-257APR	Acceptable	VT-3	
		FWS-2-AWS-OLC-PR18	Acceptable	VT-3	
		FWS-2-AWS-OLC-PR7	Acceptable	VT-3	
		FWS-2-AWS-OLC-PR8	Acceptable	VT-3	
		FWS-6-AWS-OLC-PR2	Acceptable	VT-3	
HSA					
		P-66A-02	Acceptable	VT-3	
HSB					
		P-66B-02	Acceptable	VT-3	
LSA					
		P-67A-02	Acceptable	VT-3	
LSB					
		P-67B-02	Acceptable	VT-3	
MSS					

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		MSS-36-MSL-1S1-210PLS	Acceptable	VT-3	
	PCS				
		PCS-4-PRS-1P3-3PR	Acceptable	VT-3	
		PCS-4-PRS-1P3-4PR	Acceptable	VT-3	
		PCS-4-PRS-1P3-7PR	Acceptable	VT-3	
		PCS-4-PSS-1P1-5PR	Acceptable	VT-3	
	SFP				
		SFP-8-CPL-DL1-PR5	Acceptable	VT-3	
	SWS				
		SWS-24-SWP-CDL-PR	Acceptable	VT-3	
		SWS-6-CRS-4S1-PS	Acceptable	VT-3	
		SWS-6-CRS-4S1-PSS	Acceptable	VT-3	
	VAS				
		VAS-12-CPU-SL2-203PR	Acceptable	VT-3	
		VAS-8-CPU-RL1-205PR	Acceptable	VT-3	
		VAS-8-CPU-RL2-206PR	Acceptable	VT-3	
F-C					
	ESS				
		ESS-12-SIS-1A1-3PR	Acceptable	VT-3	
				VT-4	
		ESS-12-SIS-1A5-211PR	Acceptable	VT-3	
				VT-4	
		ESS-12-SIS-1A5-211PR2	Acceptable	VT-3	
		ESS-12-SIS-1A5-215PR	Acceptable	VT-3	
				VT-4	
		ESS-12-SIS-1A5-217PR	Acceptable	VT-3	
		ESS-12-SIS-1C5-204PR	Acceptable	VT-3	
				VT-4	
		ESS-12-SIS-1C5-213PR	Acceptable	VT-3	
				VT-4	
		ESS-12-SIS-1C5-217PR	Acceptable	VT-3	
				VT-4	
		ESS-12-SIS-1D5-213PR	Acceptable	VT-3	
		ESS-12-SIS-2B1-2PR	Acceptable	VT-3	
				VT-4	
		ESS-14-SCS-2H1-213PR	Acceptable	VT-3	
				VT-4	

CATEGORY	SYSTEM	REFERENCE ID	DISPOSITION	EXAM	COMMENTS
		ESS-14-SIS-HPA-203PR	Acceptable	VT-3	
				VT-4	
		ESS-14-SIS-HPA-205PR	Acceptable	VT-3	
				VT-4	
		ESS-14-SIS-LPA-203PR	Acceptable	VT-3	
		ESS-24-SIS-SH1-203PR	Acceptable	VT-3	
				VT-4	
		ESS-24-SIS-SH1-209PR1	Acceptable	VT-3	
				VT-4	
		ESS-6-SIS-2A1-PR1	Acceptable	VT-3	
				VT-4	
		ESS-6-SIS-HPA-215PR2	Acceptable	VT-3	
				VT-4	
		ESS-6-SIS-HPA-218PR	Acceptable	VT-3	
				VT-4	
		ESS-8-SIS-HPB-207PR	Acceptable	VT-3	
				VT-4	
	MSS				
		MSS-36-MSL-2S1-202PR	Acceptable	VT-3	
				VT-4	
		MSS-36-MSL-2S1-204PR	Acceptable	VT-3	
				VT-4	
	SG1				
		1-A-SS	Acceptable	VT-3	
		1-B-SS	Acceptable	VT-3	
		1-C-SS	Acceptable	VT-3	
		1-D-SS	Acceptable	VT-3	
		1-E-SS	Acceptable	VT-3	
		1-F-SS	Acceptable	VT-3	
N/A					
	MSS				
		MSS-36-MSL-1S1-216	Acceptable	UT	
				MT	

ATTACHMENT 4

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 8-8-94

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24200442 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System Spent Fuel Pool Cooling System

5. (a) Applicable Construction Code B31.1 19 55 Edition, ——— Addenda, ——— Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Flange Bolts	Cardinal	N/A	N/A	P.O. 689110	1993	Replaced	No
Flange Nuts	Cardinal	N/A	N/A	P.O. 643999	1992	Replaced	No
Flange Studs	A & G Engineering	N/A	N/A	P.O. 5020-9824	1987	Replaced	No

7. Description of Work Replaced bolting on MV-SFP103

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J H Fouty Sr. Analyst Date 8-8, 19 94
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 2-2-94 to 8-8-94, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K B Blake Commissions Mi. 7662 IBN
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-8 19 94

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 3-1-94

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24202991 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System Primary Coolant System

5. (a) Applicable Construction Code Section III 19 65 Edition, W 67 Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ICI Flange	Combustion Engineering	N/A	N/A	Heat # 592VNE	1993	Replaced	No

7. Description of Work Replaced ICI Flange.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J H Fouty Sr Analyst Date 3-1, 19 94
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 6-24-93 to 3-2-94, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K F Blake Commissions Mi. 762
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-2 19 94

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 8-9-94

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24300040 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System ServiceWATer System

5. (a) Applicable Construction Code AWS D1.1 19 90 Edition, — Addenda, — Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Hanger HB23-H109.1	CPCO	N/A	N/A	P.O. 2004-7769	1994	Repaired	No

7. Description of Work Added weld reinforcement to base plate welds on pipe hanger HGR/HB23-H109.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ Pressure _____ psi Test Temp. _____ °F

VT-3

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed J H Fowler, Sr Analyst Date 8-9, 1994

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 2-3-94 to 8-9-94 8-9-94, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions Mi. 762 I, B, N

Inspector's Signature National Board, State, Province, and Endorsements

Date 8-9 19 94

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 11/03/94
   27780 Blue Star Hwy. Covert, MI 49043 (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Hwy. Covert, MI 49043 (Address) T&B W.O. 24410203 (Repair Organization PO No. Job No. etc)
3. Work Performed By Townsend & Bottum, Inc. (Name) Type Code Symbol Stamp N/A
   2245 South State St. Ann Arbor, MI 48106 (Address) Authorization No N/A
   Expiration Date N/A
4. Identification of System SFP
5. (a) Applicable Construction Code AISC 1989 Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No	National Board No	Other Identification P. O.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Angle L3x3x3/8	DuBose	N/A	N/A	80126884	N/A	Replacement	N/A
Plate A-36 1/2"	DuBose	N/A	N/A	80126884	N/A	Replacement	N/A

7. Description of Work Modified Support per SC 93-063 (HGR/HBD9-H24.1)
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☒ Pressure _____ psi Test Temp ____ °F
   Visual Exam.

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed J.H. Fouty Sr Analyst Date 11/22, 1994
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 Michigan and employed by Protection Mutual Ins. Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 9-7-94 to 11-22-94, 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. Factory Mutual Engrg. Assn.

R.E. Blake Commissions Mi. 762
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-22 19 94

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
   27780 Blue Star Hwy. Covert, MI 49043 (Address)
   Date 11/02/94
   Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name)
   27780 Blue Star Hwy. Covert, MI 49043 (Address)
   Unit 1
   TEB W.O. 24410204 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name)
   2245 South State St. Ann Arbor, MI 48106 (Address)
   Type Code Symbol Stamp N/A
   Authorization No N/A
   Expiration Date N/A

4. Identification of System Component Cooling System

5. (a) Applicable Construction Code ASME 19 80** Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No	National Board No	Other Identification P.O.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PUH-040 H-Duty U-bolt	NPS	N/A	N/A	G0126883	N/A	Replacement	N/A
Plate ½"x4"x0'-9"	Dubose	N/A	N/A	G0132856 Ht# 412J3391	N/A	Replacement	N/A

7. Description of Work Modified per SC 93-063 (HGR/HB24-R 33.1)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☒ Visual Exam. Pressure _____ psi Test Temp ____ °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed J H Fouty (Owner or Owner's Designee, Title) Sr Analyst Date 11/22 19 94

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 Protection Mutual Ins. Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 9-7-94 to 11-22-94, 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.

K L Blake (Inspector's Signature) Commissions Mi. 7662 Factory Mutual Engrg. Assn (National Board, State, Province, and Endorsements)

Date 11-22 19 94

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
   27780 Blue Star Hwy.
   Covert, MI 49043 (Address)
   Date 11/03/94
   Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name)
   27780 Blue Star Hwy.
   Covert, MI 49043 (Address)
   Unit 1
   T&B W.O. 24410267 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name)
   2245 South State St.
   Ann Arbor, MI 48106 (Address)
   Type Code Symbol Stamp N/A
   Authorization No N/A
   Expiration Date N/A

4. Identification of System Component Cooling System

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Modification does not require any new components. Additional weld metal added to existing welds only.							

7. Description of Work Modification per SC-93-063 (HGR/HB24-H30)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☒ Pressure _____ psi Test Temp ____ °F
   Visual Exam.

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed J H Jordy Sr Analyst Date 11/22, 1994
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 9-7-94 to 11-22-94, 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.

L B Blake Commissions MI. 762 FACTORY MUTUAL ENGRG. ASSN.
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-22 1994

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 8-8-94

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24411521 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System Spent Fuel Pool Cooling System

5. (a) Applicable Construction Code AWS D1.1 19 90 Edition, — Addenda, — Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HGR/HC4-H244.1	CPCO	N/A	N/A	P.O. G118318	1994	repaired	NO

7. Description of Work Welded new shim plate and replaced U-bolt on pipe hanger HGR/HC4-H244.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F
VT-3

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J. H. Fouty, Sr Analyst Date 8-8, 19 94
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 3-31-94 to 8-8-94, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K. B. Blake
Inspector's Signature

Commissions Mi. 762 I, B, N
National Board, State, Province, and Endorsements

Date 8-8 19 94

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)

Date 11/03/94

Sheet 1 of 1

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

Unit 1

TEB W.O. 24412809
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System Safety Injection

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No	National Board No	Other Identification P.O.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hilti Kwik Bolt II	Hilti	N/A	N/A	G27501	N/A	Replacement	N/A
Plate A-36 3/4"	Du Bose	N/A	N/A	G0126804 G0132856	N/A	Replacement	N/A
Plate A-36 3/16"	Du Bose	N/A	N/A	G0132856	N/A	Replacement	N/A
T/S 3x3x 1/4"	Du Bose	N/A	N/A	G0132856	N/A	Replacement	N/A
T/S 2x2x 1/4"	Du Bose	N/A	N/A	G0132856	N/A	Replacement	N/A

7. Description of Work Modified per SC 93-068 (H6R/HC3-R166.2)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp ____ °F
Visual Test.

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed J H Fouty Sr Analyst Date 11/22, 1994
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 10-4-94 to 11-22-94, 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.

FACTORY MUTUAL ENGRG. ASSN.

K D Blake Commissions MI. 762
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-22 19 94

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)

Date 11/03/94

Sheet 1 of 1

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

Unit 1

T&B W.O. 24412813
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System ESS

5. (a) Applicable Construction Code AISC 19 80 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No	National Board No	Other Identification P.O.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Plate ✓ A-36 3/4"	DuBose	N/A	N/A	G0126884	N/A	Replacement	N/A
Plate A-36 1/2"	Du Bose	N/A	N/A	G25855	N/A	Replacement	N/A
Hilti Kwik Bolt	Hilti	N/A	N/A	G27501	N/A	Replacement	N/A

7. Description of Work Modification per SC93-068 (HGR/HC3-H211)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Visual Exam. Pressure _____ psi Test Temp ____ °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed J H Fouty Sr Analyst Date 11/22, 1994
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 Michigan and employed by Protection Mutual Ins. Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 8-25-94 to 11-22-94, 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.

R B Blake Commissions Mi. 762, Factory Mutual Engrg. Assn.
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-22 1994

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 8-9-94

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24412965 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System Engineered SAFeguARDS System

5. (a) Applicable Construction Code B31.1 1955 Edition, — Addenda, — Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
mini-Flow Orifice	Hub Inc.	N/A	N/A	P.O. G86910	1993	Replaced	No
2" x 1" Reducer	midco. Pipe & Tube	N/A	N/A	P.O. 1002-1005	1980	Replaced	No
Weld Rod	WeldSTAR	N/A	N/A	P.O. G106210	1993	Replaced	No
2" Elbow	midco. Pipe & Tube	N/A	N/A	P.O. 21595	1979	Replaced	No
2" x 1" Reducer	midco. Pipe & Tube	N/A	N/A	P.O. 1002-1005	1980	Replaced	No

7. Description of Work Replaced noted components.

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure 625 psi Test Temp. Ambient °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J H Fouty, Sr Analyst Date 8-9, 1994
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 6-12-94 to 8-10-94, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K E Blake Commissions Mi. 7602 I, B, N
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-10 1994

(12/82)

W.O. 24412965

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" Pipe	SANDVIK	N/A	N/A	P.O. 2003-2369	1988	Replaced	No

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)

Date 11/03/94

Sheet 1 of 1

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

Unit 1

T&B W.O. 24410268
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System Component Cooling System

5. (a) Applicable Construction Code AISC 1989 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No	National Board No	Other Identification P.O.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hilti Kwik Bolt II	Hilti	N/A	N/A	G.27501	N/A	Replacement	N/A
Plate A-36 3/4"	DuBose	N/A	N/A	G0126884	N/A	Replacement	N/A
Plate A-36 1/4"	DuBose	N/A	N/A	G0126884	N/A	Replacement	N/A
Wide Flange A36 W4x13	DuBose	N/A	N/A	G0126884	N/A	Replacement	N/A
Angle L2x2x1/4"	DuBose	N/A	N/A	G0126884	N/A	Replacement	N/A

7. Description of Work Modified Support per SC93-063 (HGR/HB24-H301.1)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ Pressure _____ psi Test Temp ____ °F

Visual Exam.

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] Sr Analyst Date 11/22 19 94
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 8-25-94 to 11-22-94, 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. 762 FACTORY MUTUAL ENGRG. ASSN.
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-22 19 94

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 11/03/94
   27780 Blue Star Hwy.
   Covert, MI 49043 (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Hwy.
   Covert, MI 49043 (Address) T&B W.O. 24412806 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name) Type Code Symbol Stamp N/A
   2245 South State St. Authorization No N/A
   Ann Arbor, MI 48106 (Address) Expiration Date N/A

4. Identification of System Emg. Safeguard Pump Suction

5. (a) Applicable Construction Code AISC 19 84 Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 S89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Modified per SC93-068. No new components required. Removed welds only.							

7. Description of Work Modification per SC-93-068 (HGR/HC3-H151.5")

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☒ Pressure _____ psi Test Temp ____ °F
   Visual Exam.

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed J H Fouty Sr Analyst Date 11/22, 1994
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 8-25-94 to 11-22-94, 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.

L L Blake Commissions MI. 7162 FACTORY MUTUAL ENGRG. ASSN.
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-22 1994

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 11/03/94
   27780 Blue Star Hwy. Covert, MI 49043 (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Hwy. Covert, MI 49043 (Address) T.E.B. W.O. 24412815 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name) Type Code Symbol Stamp N/A
   2245 South State St. Ann Arbor, MI 48106 (Address) Authorization No N/A
   Expiration Date N/A

4. Identification of System Safety Injection

5. (a) Applicable Construction Code AISC 19 84 Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No	National Board No	Other Identification P.O.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Angle A-36 L5x3x1/4	DuBose	N/A	N/A	G0132856	N/A	Replacement	N/A

7. Description of Work Modification per SC 93-068 (HGR/HC3-R214.1)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☒ Pressure _____ psi Test Temp ____ °F
   Visual Exam.

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed J.H. Fouty Sr Analyst Date 11/22, 1994
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 9-14-94 to 11-22-94, 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.

FACTORY MUTUAL ENGRG. ASSN.

G.L. Blake Commissions MI. 762
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-22 1994

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 11-23-94
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 24412087 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Authorization No. N/A
   Expiration Date N/A
4. Identification of System Primary Coolant System
5. (a) Applicable Construction Code B31.1 1955 Edition, — Addenda, — Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CV-1057 Bonnet Nuts	Energy Steel & Supply Co.	N/A	N/A	P.O. 5021-1472	1987	Replaced	No
CV-1057 Bonnet Studs	Cardinal Industrial	N/A	N/A	P.O. 5025-3554	1989	Replaced	No

7. Description of Work Refurbish control valve CV-1057.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] Sr Analyst Date 11/23, 19 94
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 5-9-94 to 11-23-94, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 I,B,U
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-23 19 94

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)

Date 11/02/94

Sheet 1 of 2

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

Unit 1

T&B W.O. 24410248
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System Component Cooling System

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer or Supplier	Manufacturer Serial No	National Board No	Other Identification P.O.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Tube Steel 3x3x1/4	DuBose	N/A	N/A	G0126884	N/A	Replaced	N/A
Plate A-36 1/2"	DuBose	N/A	N/A	G0126884	N/A	Replaced	N/A
Nuts 3/4" A-563	DuBose	N/A	N/A	G0126884	N/A	Replaced	N/A
Bolts 3/4" A-307	DuBose	N/A	N/A	G0126884	N/A	Replaced	N/A
Hilti Kwik Bolt II	Hilti	N/A	N/A	1010-2455	N/A	Replaced	N/A

7. Description of Work Modified per SC93-063 (HGR/HB24-H303)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp ____ °F
Visual Exam

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] Sr Analyst Date 12/27, 1994
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 Michigan and employed by Protection Mutual Ins. Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 9-1-94 to 1-3-95, 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. FACTORY MUTUAL ENGRG. ASSN.

[signature] Commissions Mi. 762 N, B, I
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-3 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)
Date 11/10/94
Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)
Unit 1
TEB W.O 24412427
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)
Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System RADIOACTIVE WASTE SYSTEM

5. (a) Applicable Construction Code AISC 19 83rd Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
THREADED ROD	BERGEN PATERSON	N/A	N/A	GD126757	N/A	REPLACED	N/A
VARIABLE SPRING	BERGEN PATERSON	N/A	N/A	GD126757	N/A	REPLACED	N/A
WELDED EYE ROD	BERGEN PATERSON	N/A	N/A	GD126757	N/A	REPLACED	N/A
HEX NUT	DuBOSE	N/A	N/A	GD126884	N/A	REPLACED	N/A
JAM NUT	DuBOSE	N/A	N/A	GD126884	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-069 (HGR/ HC12-H1)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ VISUAL EXAM Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code. Section XI.
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] Sr Analyst Date 1-3 .1995
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA have inspected the components described in this Owner's Report during the period 9-20-94 to 1-3-95. 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. FACTORY MUTUAL ENGRG. ASSN.

[signature] Commissions Mi. 762 NBI
Inspector's Signature National Board. State. Province. and Endorsements

Date 1-3 1995

(12/82)

6. Identification of Components Repaired or Replaced and Replacement Components continued:

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
plate A-36 1"	DuBose	N/A	N/A	G0126884	N/A	Replaced	N/A
Variable Support BP 3100-F-16	Bergen Patterson	N/A	N/A	G0126757	N/A	Replaced	N/A

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
   27780 Blue Star Hwy.
   Covert, MI 49043 (Address)
   Date 11/14/94
   Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name)
   27780 Blue Star Hwy.
   Covert, MI 49043 (Address)
   Unit 1
   T&B W.O. 24412797 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name)
   2245 South State St.
   Ann Arbor, MI 48106 (Address)
   Type Code Symbol Stamp N/A
   Authorization No N/A
   Expiration Date N/A

4. Identification of System SAFETY INJECTION

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83,S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O.#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RIGID STRUT	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A

7. Description of Work MODIFY SUPPORT PER SC-93-068/HGR. (GCB-R128.1) (GCB-S128.1)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ (VISUAL EXAM) Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed J.H. Fouty Sr Analyst Date 1-3 .1995
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA have inspected the components described in this Owner's Report during the period 10-31-94 to 1-4-95, 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. FACTORY MUTUAL ENGRG. ASSN.

R.C. Blake Commissions MI. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
   27780 Blue Star Hwy. Covert, MI 49043 (Address)
   Date 11/10/94
   Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name)
   27780 Blue Star Hwy. Covert, MI 49043 (Address)
   Unit 1
   T&B W.O. 24412800 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name)
   2245 South State St. Ann Arbor, MI 48106 (Address)
   Type Code Symbol Stamp N/A
   Authorization No N/A
   Expiration Date N/A

4. Identification of System ESS

5. (a) Applicable Construction Code AISC 198TH Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O.#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE 3/8"x4"x4"	DU BOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A

7. Description of Work MODIFY SUPPORT PER SC-93-068/HGR GC4-H181.1A

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ Pressure N/A psi Test Temp N/A °F
   VISUAL EXAM

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] Sr Analyst Date 1-3 .1995
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 10-19-94 to 1-4-95, 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. Flo2 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-4 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)

Date 11/14/94

Sheet 1 of 1

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

Unit 1

TEB W.O. 24412804
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System CONTAINMENT SPRAY

5. (a) Applicable Construction Code AISC 19 8TH Edition. N/A Addenda. N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O.#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Tube steel 4X4X1/4	DuBOSG	N/A	N/A	G0132856	N/A	REPLACED	N/A
PLATE 3/16	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
ANGLE 3X3X3/8	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A

7. Description of Work MODIFY SUPPORT PER SC-93-068/HGR.(HC3-R112.1)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ VISUAL EXAM Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9 Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI

Type Code Symbol Stamp N/A

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

Signed J.H. Fouty (Owner or Owner's Designee) Sr Analyst (Title) Date 1-3 19 95

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 PROTECTION MUTUAL ENS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 10-17-94 to 1-3-95, 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. FACTORY MUTUAL ENGRG. ASSN.

K.B. Blake (Inspector's Signature) Commissions MI. 762 N,B,I (National Board, State, Province, and Endorsements)

Date 1-3 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 11/10/94
   27780 Blue Star Hwy. Covert, MI 49043 (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Hwy. Covert, MI 49043 (Address) T&B W.O. 2441280S
   Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name) Type Code Symbol Stamp N/A
   2245 South State St. Ann Arbor, MI 48106 (Address) Authorization No N/A
   Expiration Date N/A

4. Identification of System CONTAINMENT SPRAY

5. (a) Applicable Construction Code AISC 19 9TH Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O.#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE CLAMP	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
RIGID STRUT	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
REAR BRACKET	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-006 (HGR/HC3-R110.1)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ Pressure N/A psi Test Temp N/A °F
   VISUAL EXAM

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code. Section XI.
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed H. Jouty Sr Analyst Date 1-4 .1995
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 MICHIGAN and employed by PROTECTION MUTUAL INS.CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 10-31-94 to 1-4-95. 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.

K.R. Blake Commissions Mi: 7602 N.B.I
Inspector's Signature National Board. State. Province. and Endorsements

Date 1-4 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)

Date 11/14/94

Sheet 1 of 1

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

Unit 1

T&B W.O. 24412810
Repair Organization PO No, Job No, etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System ESS

5. (a) Applicable Construction Code AISC 19 83 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RIGID ROD STRUT	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
PIPE CLAMP	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
REAR BRACKET	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-0608 (H6R/HC3-H166.3)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ (VISUAL EXAM) Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] (Owner or Owner's Designee, Title) Sr Analyst Date 1-5 19 95

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 Protection Mutual Ins. Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 11-3-94 to 1-5-95, 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. FACTORY MUTUAL ENGRG. ASSN.

[signature] Commissions Mi. 762 N.B.I

Inspector's Signature — National Board, State, Province, and Endorsements

Date 1-5 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)

Date 11/8/94

Sheet 1 of 1

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

Unit 1

T&B W.O. 24412812
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System H.P. SAFETY INJECTION Pump Suction - ESS

5. (a) Applicable Construction Code AISC 19 81 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O.#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Tube Steel 2"x2"x1/4"	DuBose	N/A	N/A	G0132856	N/A	REPLACED	N/A
PLATE 3/4"x3"x10"	DuBose	N/A	N/A	G0132856	N/A	REPLACED	N/A
Tube Steel 4"x4"x5/16	DuBose	N/A	N/A	G0132856	N/A	REPLACED	N/A
PLATE 3/4"x6"x6	DuBose	N/A	N/A	G0132856	N/A	REPLACED	N/A
PLATE 3/4"x5"x5	DuBose	N/A	N/A	G0132856	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-068 (HGR/GC4-H155)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other. ■ Pressure N/A psi Test Temp N/A °F.
VISUAL EXAM.

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] Sr Analyst Date 1-5 19 95
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 10-12-94 to 1-5-95, 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. FACTORY MUTUAL ENGRG. ASSN.

[signature] Commissions MI. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-5 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)

Date 12/17/94

Sheet 1 of 2

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

Unit 1

T&B W.O. 24412799
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System SAFETY INJECTION

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 6202-4	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
B-P PART 2250-4	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
B-P PART 1000-4	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
PLATE 3/4 A-36	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
Tube steel 4X4X1/4	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-006B/MGR. HC3-R132

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ (VISUAL EXAM) Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

8. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J H Jenny Sr Analyst Date 2/13 19 95
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 11-14-94 to 2-14-95, 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. FACTORY MUTUAL ENGRG. ASSN.

K L Blake Commissions Mi. 762 N, B, I
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-14 19 95

(12 82)

24412799

Sheet 2 of. 2

6. Identification of Components Repaired or Replaced and Replacement Components continued:

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
7/8" HEX NUT	CARDINAL INDUSTRIAL	N/A	N/A	G23873	N/A	REPLACED	N/A

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
   27780 Blue Star Hwy.
   Covert, MI 49043 (Address)
   Date 11/2/94
   Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name)
   27780 Blue Star Hwy.
   Covert, MI 49043 (Address)
   Unit 1
   T&B W.O. 24412774 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name)
   2245 South State St.
   Ann Arbor, MI 48106 (Address)
   Type Code Symbol Stamp N/A
   Authorization No N/A
   Expiration Date N/A

4. Identification of System SAFETY INJECTION

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O.#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Tube steel 3X3X1/4	DuBose	N/A	N/A	G0132856	N/A	REPLACED	N/A
PLATE 1/2"	DuBose	N/A	N/A	G0132856	N/A	REPLACED	N/A
PLATE 3/8"	DuBose	N/A	N/A	G0132856	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-068 (HGR HC3-H17B.1)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ Pressure N/A psi Test Temp N/A °F
   VISUAL EXAM.

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] Sr Analyst Date 2/13, 1995
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 Michigan and employed by Protection Mutual Ins. Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 10-19-94 to 2-14-95, 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. Factory Mutual Engrg. Assn.

[signature] Commissions Mi. 7602 NBI
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-14 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)

Date 12/13/94

Sheet 1 of 2

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

Unit 1

T&B W.O. 24412825
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System ENG. SAFEGUARD PUMPS SUCT.

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83,S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No	National Board No	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 5110-5/8	BERGEN PATERSEN	N/A	N/A	G0135450	N/A	REPLACED	N/A
5/8" L.H. JAM NUT	DUBOSE	N/A	N/A	G0126884	N/A	REPLACED	N/A
B-P PART 5100-5/8	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
B-P PART 5001-5/8	BERGEN PATERSEN	N/A	N/A	G0135450	N/A	REPLACED	N/A
5/8" HEX NUT	CARDWAL INDUSTRIAL	N/A	N/A	G23873	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-068/HGR. HC3-H135

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp N/A °F
VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] Sr Analyst Date 2/13 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 11-7-94 to 2-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 NBI

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-13 19 95

(12/82)

24412825

Sheet 2 of 2

6. Identification of Components Repaired or Replaced and Replacement Components continued:

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HILTI KWIK BOLT 3/4"	HILTI	N/A	N/A	CPCO stock # 28-03112	N/A	REPLACED	N/A

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
   27780 Blue Star Hwy.
   Covert, MI 49043 (Address)
   Date 1/3/95
   Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name)
   27780 Blue Star Hwy.
   Covert, MI 49043 (Address)
   Unit 1
   T&B W.O. 24412795 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name)
   2245 South State St.
   Ann Arbor, MI 48106 (Address)
   Type Code Symbol Stamp N/A
   Authorization No N/A
   Expiration Date N/A

4. Identification of System ENG. SAFEGUARD PUMPS SUCTION

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 5001-3/4	BERGEN PATERSON	N/A	N/A	GO143654	N/A	REPLACED	N/A
B-P PART 5004-3/4	BERGEN PATERSON	N/A	N/A	GO143654	N/A	REPLACED	N/A
B-P PART 5100-3/4	BERGEN PATERSON	N/A	N/A	GO143654	N/A	REPLACED	N/A
B-P PART 5112-3/4	BERGEN PATERSON	N/A	N/A	GO143654	N/A	REPLACED	N/A
JAM NUT	BERGEN PATERSON	N/A	N/A	GO143654			

7. Description of Work MODIFIED PER SC-93-068/HGR. HC3-H134

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ (VISUAL EXAM) Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] Sr Analyst Date 2/13, 1995
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 Michigan and employed by Protection Mutual Ins. Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 10-27-94 to 2-13-95, 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.

K G Blake Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-13 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 11/03/94
   27780 Blue Star Hwy. Covert, MI 49043 (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Hwy. Covert, MI 49043 (Address) T&B WO 24410265 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name) Type Code Symbol Stamp N/A
   2245 South State St. Ann Arbor, MI 48106 (Address) Authorization No N/A
   Expiration Date N/A

4. Identification of System Component Cooling System

5. (a) Applicable Construction Code AISC 19 89 Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No	National Board No	Other Identification P.O	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Angle L7x4x½	DuBose	N/A	N/A	G0126884	N/A	Replacement	N/A
Hilti Kwik Bolt II	Hilti	N/A	N/A	50298168	N/A	Replacement	N/A
Plate A-36 ½"	DuBose	N/A	N/A	G0126884	N/A	Replacement	N/A

7. Description of Work Modified Support per SC93-063 (HBD9-H10 HGR)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☒ Pressure _____ psi Test Temp ____ °F
   Visual Exam.

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed JH Jantz Sr Analyst Date 2/13, 1995
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 9-12-94 to 2-13-95. 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. FACTORY MUTUAL ENGRG. ASSN

K E Blake Commissions MI. 7162 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-13 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 11/10/94
   27780 Blue Star Hwy. Covert, MI 49043 (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Hwy. Covert, MI 49043 (Address) TEB W.O. 24412773 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name) Type Code Symbol Stamp N/A
   2245 South State St. Ann Arbor, MI 48106 (Address) Authorization No N/A
   Expiration Date N/A

4. Identification of System SAFETY INJECTION

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE 1/2X4 1/2X9	DUBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A
PLATE 1/2X6X6	DUBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-068/ CHGR/ GC4-R 1B4.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ (VISUAL EXAM) Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed JH Fouty Sr Analyst Date 2-13 19 95
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 Michigan and employed by Protection Mutual Ins. Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 10-17-94 to 2-14-95, 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. Factory Mutual Engrg. Assn.

K.F. Blake Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-14 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)
Date 12/13/94
Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)
Unit 1
T&B W.O. 24412824
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)
Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System SAFETY INJECTION

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No	National Board No	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 6202-7	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
B-P PART 2250-7	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
B-P PART 1000-7	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
PL. 1X5X1'3" A-36	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
BOLT 1" HILTI KWIK	HILTI	N/A	N/A	G0109432	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-068/HGR. HC3-R133.1 RJ 12/22/94

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ VISUAL EXAM Pressure N/A psi Test Temp N/A °F

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J H Fouty Sr Analyst Date 2-13 19 95
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 10-31-94 to 2-14-95 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. FACTORY MUTUAL ENGRG. ASSN.

K B Blake Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-14 19 95

12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 12/17/94
   27780 Blue Star Hwy. Covert, MI 49043 (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Hwy. Covert, MI 49043 (Address) T&B W.O. 24410206 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name) Type Code Symbol Stamp N/A
   2245 South State St. Ann Arbor, MI 48106 (Address) Authorization No N/A
   Expiration Date N/A

4. Identification of System COMPONENT COOLING WATER

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MINI SWAY STRUT 222N	GRINNELL	N/A	N/A	GD135459	N/A	REPLACED	N/A
PLATE 3/4 A-36	DUBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A
HILTI KWIK BOLT 1"	HILTI	N/A	N/A	CPCO stock # 28-03179	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-063 / HGR. HB24-R309.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ (VISUAL EXAM) Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] Sr Analyst (Owner or Owner's Designee, Title) Date 2/13, 1995

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 Protection Mutual Ins. Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 11-7-94 to 2-14-95, 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. FACTORY MUTUAL ENGRG. ASSN.

[signature] Commissions Mi. 762 N.B.I.

Inspector's Signature — National Board, State, Province, and Endorsements

Date 2-14 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 12/1/94
   27780 Blue Star Hwy. Covert, MI 49043 (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Hwy. Covert, MI 49043 (Address) T&B W.O. 24412B23 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name) Type Code Symbol Stamp N/A
   2245 South State St. Ann Arbor, MI 48106 (Address) Authorization No N/A
   Expiration Date N/A

4. Identification of System SAFETY INJECTION

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83&83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer QR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 6202-4	BERGER PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
B-P PART 2015-4	BERGER PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
B-P PART 1000-4	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
PLATE A-36 1/2X5X0-5"	ENERGY STEEL SUPPLY	N/A	N/A	G61595	N/A	REPLACED	N/A
TUBESTEEL 4X4X1/4X10'	DU BOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-068/H6R. HC3-H172

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ VISUAL EXAM Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] Sr Analyst (Owner or Owner's Designee, Title) Date 2-13 19 95

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 PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 11-7-94 to 2-14-95, 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. FACTORY MUTUAL ENGRG. ASSN.

K.B. Blake Commissions Mi. 7462 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-14 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 12/17/94
   27780 Blue Star Hwy. Covert, MI 49043 (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Hwy. Covert, MI 49043 (Address) TEB W.O. 24412828 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name) Type Code Symbol Stamp N/A
   2245 South State St. Ann Arbor, MI 48106 (Address) Authorization No N/A
   Expiration Date N/A

4. Identification of System SAFETY INJECTION

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S'83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 1000-4	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
B-P PART 2015-4	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
B-P PART 6202-4	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
PLATE 1/2" A-36	DUBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
TUBE STEEL 3X3X1/4	DUBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-068/HGR. HC3-R173.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ Pressure N/A psi Test Temp N/A °F
   VISUAL EXAM

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks Replacement parts have no data reports.
Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed J H Fouty Sr Analyst Date 2/13 19 95
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 Michigan and employed by Protection Mutual Ins. Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 11-7-94 to 2-14-95, 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. Factory Mutual Engrg. Assn.

K Blake Commissions Mi. 762 N.B.I
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-14 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)

Date 11/14/94

Sheet 1 of 1

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

Unit 1

T&B W.O. 24303491
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System COMPONENT COOLING

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ANGLE 3X3X1/4	DuBose	N/A	N/A	G0126884	N/A	REPLACED	N/A
HILTI KWIK BOLT II 12-512	HILTI	N/A	N/A	GD109432	N/A	REPLACED	N/A
SPHERICAL WASHER 1/2"	J.D GALLOUP	N/A	N/A	DY94.035	N/A	REPLACED	N/A

7. Description of Work MODIFY SUPPORT PER SC-93-065/HGR.CHB24-H10.3A

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ VISUAL EXAM Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement repair or replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed J H Fouty Sr Analyst Date 2/20, 1995
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 Michigan and employed by Protection Mutual Ins. Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 10-19-94 to 2-20-95, 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. FACTORY MUTUAL ENGRG. ASSN.

K E Blake Commissions Mi. 7643 N.B.E
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-20 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 12/17/94
   27780 Blue Star Hwy. Covert, MI 49043 (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Hwy. Covert, MI 49043 (Address) T&B W.O. 24412801 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name) Type Code Symbol Stamp N/A
   2245 South State St. Ann Arbor, MI 48106 (Address) Authorization No N/A
   Expiration Date N/A

4. Identification of System ESS

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No	National Board No	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 6502-8"	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
ANGLE 3X3X1/2	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
TUBE STEEL 3X3X1/4	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
PLATE 3/16 A-36	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-068/HGR. HC3-R180

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ VISUAL EXAM Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed J H Fouty Sr Analyst Date 2/20, 19 95
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 Michigan and employed by Protection Mutual Ins. Co. of Norwood, MA have inspected the components described in this Owner's Report during the period 11-14-94 to 2-20-95, 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. Factory Mutual Engrg. Assn.

K L Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-20 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)

Date 11/14/94

Sheet 1 of 1

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

Unit 1

T&B W.O. 24412802
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System CONTAINMENT SPRAY

5. (a) Applicable Construction Code AISC 19 8th Edition. N/A Addenda. N/A Code Case.

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S83

Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O.#	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped (Yes or No)
HEAVY 2 BOLTCLAMP	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A

7. Description of Work MODIFY SUPPORT PER SC-93-068/HGR.(HC3-H110)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ■ Pressure N/A psi Test Temp N/A °F
VISUAL EXAM

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] Sr Analyst Date 2/20, 1995
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 Michigan and employed by Protection Mutual Ins. Co. of Norwood, MA. have inspected the components described in this Owner's Report during the period 11-7-94 to 2-20-95, 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. Factory Mutual Engrg. Assn.

[signature] Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-20 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 11/2/94
   27780 Blue Star Hwy. Covert, MI 49043 (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Hwy. Covert, MI 49043 (Address)
   T&B W.O. 24412816 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name) Type Code Symbol Stamp N/A
   2245 South State St. Ann Arbor, MI 48106 (Address) Authorization No N/A
   Expiration Date N/A

4. Identification of System SAFETY INJECTION PMP SUCTION HEADER

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 SB3

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Tube steel 3X3X1/4	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
ANGLE 3X3X3/8	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
PLATE 3/16X12X36	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
PLATE 1/2X4"X4"	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-066 (HGR/HC3-R215.1)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ VISUAL EXAM. Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] Sr Analyst Date 2/20, 1995
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 Michigan and employed by Protection Mutual Ins. Co. of Norwood, Ma. have inspected the components described in this Owner's Report during the period 9-14-94 to 2-20-95, 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. FACTORY MUTUAL ENGRG. ASSN.

[signature] Commissions Mi. 762 N.B.I
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-20 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 1/7/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24412819 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System PRIMARY COOLANT / ESS

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MINI SWAY STRUT 222 1-2	GRINNELL	N/A	N/A	G0135459	N/A	REPLACED	N/A
MINI SWAY STRUT 222 1-3	GRINNELL	N/A	N/A	G0135459	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-068 / HGR. GC8-R190.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F

VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed JH Fonty Sr Analyst Date 2/20 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 10-25-94 to 2-21-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K G Blake Commissions Mi 762 N, B, I
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-21 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)

Date 12/17/94

Sheet 1 of 1

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

Unit 1

T&B W.O. 24412775
Repair Organization PO No. Job No. etc

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)

Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System SAFETY INJECTION

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No	National Board No	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 2250-4	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
B-P PART 6202-4	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
B-P PART 1000-4	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
PLATE 3/8-A-36	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
ANGLE 6X4X3/8	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-068/HGR. 1C3-1H174.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ VISUAL EXAM Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] Sr Analyst Date 2/20, 1995
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 11-7-94 to 2-21-95, 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. FACTORY MUTUAL ENGR'G. ASSN.

[signature] Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-21 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 2/27/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — TEB W.O. 24410266 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System COMPONENT COOLING WATER

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
C-4 FIG. 222N/ MINI SWAY STRUT	GRINNELL	N/A	N/A	G0135459	N/A	REPLACED	N/A
TUBE STEEL 3"X3"X1/4	DuBOSE	N/A	N/A	G0126884	N/A	REPLACED	N/A
PLATE 1/2" A-36	DuBOSE	N/A	N/A	G0126884	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-063 / HGR. HBD9-H25.5

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F

VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] Sr Analyst Date 3-7 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 12-14-94 to 3-8-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K J Blake Commissions Mi. 7662 N,B,I

Inspector's Signature National Board, State, Province, and Endorsements

Date 3-8 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 2/23/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — TEB W.O. 24412798 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System PRIMARY COOLANT TO L.P. SAFETY & PUMPS SUCTION, SHUTDOWN COOLING

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE 1/2" A-36	DuBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A
ANGLE 4"X4"X1/2" A-36	DuBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A
TUBE steel 6"X4"X1/2" A-500	DuBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A
PLATE 1" A-36	DuBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A
PLATE 1/4" A-36	DuBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A

7. Description of Work MODIFY SUPPORT PER SC-93-068/HGR-GC8-H128

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F
VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] Sr Analyst Date 3/7 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 10-19-94 to 3-8-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. Ked N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-8 19 95

(12/82)

24412798

Sheet 2 of 2

6. Identification of Components Repaired or Replaced and Replacement Components continued:

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HILTI KWIK BOLT II 1-12	HILTI	N/A	N/A	G109432	N/A	REPLACED	N/A
HILTI KWIK BOLT II 1-12	HILTI	N/A	N/A	G139025	N/A	REPLACED	N/A

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 2/9/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24413798 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System SERVICE WATER

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE 1" - A-36	DuBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A
B-P PART 1048 - 1 1/4	BERGEN PATERSON	N/A	N/A	GD143654	N/A	REPLACED	N/A
B-P PART 5001 - 1 1/4	BERGEN PATERSON	N/A	N/A	G150614	N/A	REPLACED	N/A
B-P-PART 5131 - 1 1/4	BERGEN PATERSON	N/A	N/A	GD143654	N/A	REPLACED	N/A
B-P PART 6150 - 24	BERGEN PATERSON	N/A	N/A	GD143654	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-067/MGR. JB1-H2.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F
VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J H Fouty Sr Analyst Date 3/7 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 1-5-95 to 3-8-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K E Blake Commissions Mi. 7602 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-8 19 95

(12/82)

24413798

Sheet 2 of 2

6. Identification of Components Repaired or Replaced and Replacement Components continued:

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
JAM NUT 1 1/4	BERGEN PATERSON	N/A	N/A	G0143654	N/A	REPLACED	N/A
JAM NUT L.H. 1 1/4	BERGEN PATERSON	N/A	N/A	G0143654	N/A	REPLACED	N/A
HILTI KWIK BOLT	Hilti	N/A	N/A	G27501	N/A	REPLACED	N/A

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)
Date 12/17/94
Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name)
27780 Blue Star Hwy.
Covert, MI 49043 (Address)
Unit 1
T&B W.O. 24412796 (Repair Organization PO No. Job No. etc)

3. Work Performed By Townsend & Bottum, Inc. (Name)
2245 South State St.
Ann Arbor, MI 48106 (Address)
Type Code Symbol Stamp N/A
Authorization No N/A
Expiration Date N/A

4. Identification of System PRIMARY COOLANT TO LPSI / ESS

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
TUBE STEEL 4X4X1/2	DUBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A
PLATE 1" A-36	DUBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A
PLATE 1/4" A-36	DUBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A
PLATE 1/2" A-36	DUBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A
HILTI KWIK BOLT 1"	HILTI	N/A	N/A	CACO STOCK # 28-03179 PO# G27501	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-068 / HGR. GC8-H173

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ VISUAL EXAM Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.H. Fouty Sr Analyst Date 4/27 19 95
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA have inspected the components described in this Owner's Report during the period 10-11-94 to 4-27-95, 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 tne 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. FACTORY MUTUAL ENGRG ASSN.

K.B. Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-27 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 3/20/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — TEB W.O. 24414261 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System SWS
5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
GRINNELL FIG. 211 SWAY STRUT	GRINNELL	N/A	N/A	G0144309	N/A	REPLACED	N/A
GRINNELL FIG. 211 SWAY STRUT	GRINNELL	N/A	N/A	G0144309	N/A	REPLACED	N/A
PLATE 3/4" A-36	CONSOLIDATED STEEL	N/A	N/A	G0142594	N/A	REPLACED	N/A
PLATE 1/2" A-36	CONSOLIDATED STEEL	N/A	N/A	G0142594	N/A	REPLACED	N/A
PLATE 1/8 - A-570	ENERGY STEEL	N/A	N/A	2004-7456	N/A	REPLACED	N/A

7. Description of Work MODIFY SUPPORT PER SC 93-066/HGR. HB23-H284.1
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ Pressure N/A psi Test Temp. N/A °F
   VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.H. Fouty Sr Analyst Date 4/27 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 1-3-95 to 4-27-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K.G. Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-27 19 95

(12/82)

24414261

6. Identification of Components Repaired or Replaced and Replacement Components continued:

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE ✓ 3/16-A-36	ENERGY STEEL	N/A	N/A	G64dd19	N/A	REPLACED	N/A
PLATE ✓ 5/16-A-36	DaBOSE	N/A	N/A	G1328569	N/A	REPLACED	N/A
HILTI KWIK ✓ BOLT II 1-12	HILTI	N/A	N/A	G140528	N/A	REPLACED	N/A

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 2/13/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T.E.B W.O. 24414263 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System SWS

5. (a) Applicable Construction Code AISC 19 B^TK Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 6202-4-24"	BERGEN PATERSON	N/A	N/A	GD142470	N/A	REPLACED	N/A
B-P PART 2250-4	BERGEN PATERSON	N/A	N/A	GD142470	N/A	REPLACED	N/A
B-P PART 1000-4	BERGEN PATERSON	N/A	N/A	GD142470	N/A	REPLACED	N/A
PLATE 1/2" A-36	CONSOLIDATED steel	N/A	N/A	GD142594	N/A	REPLACED	N/A
PLATE 3/4" A-36	CONSOLIDATED steel	N/A	N/A	GD142594	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-066/HGR. HB23-H284.3

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F
VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J.H. Fouty (Owner or Owner's Designee, Title) Sr Analyst Date 4/27 19 95

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 Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 12-12-94 to 4-27-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K.E. Blake (Inspector's Signature) Commissions Mi. 762 N.B.I. (National Board, State, Province, and Endorsements)

Date 4-27 19 95

(12/82)

24414263

Sheet 2 of 2

6. Identification of Components Repaired or Replaced and Replacement Components continued:

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
TUBE steel 3"X3"X 1/4	CONSOLIDATED steel	N/A	N/A	G0142594	N/A	REPLACED	N/A

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 2/27/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24414264 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System SERVICE WATER

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
TUBE STEEL 4"X4"X1/4"	DUBOSE	N/A	N/A	G013285	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-066/HGR. HB23-H53.2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F
VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] Sr Analyst Date 4/27 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 1-12-95 to 4-27-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions MI. 762 N,B,I
Inspector's Signature — National Board, State, Province, and Endorsements

Date 4-27 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 2/27/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — TEB W.O. 24414275 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System SERVICE WATER TO ENG. SAFEGUARD EQUIP.

5. (a) Applicable Construction Code AISC 19 83rd Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CHANNEL C3X5 A-36	CONSOLIDATED STEEL	N/A	N/A	G0142594	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-066/HGR. HB23-H67.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ■ Pressure N/A psi Test Temp. N/A °F

VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] Sr Analyst Date 4/27 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 12-21-94 to 4-27-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-27 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 02/04/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24412817 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System SAFETY INJECTION

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 1000-12	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
B-P PART 1000-25	BERGON PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
B-P PART 2250-12	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
B-P PART 2250-25	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
B-P PART 6202-12-18"	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A

7. Description of Work MODIFIED PER SC-93-0068/HGR. HC3-H170

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F
VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed JH Fouty Sr Analyst Date 4/27 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 10-31-94 to 5-3-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K.L. Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-3 19 95

(12/82)

24412817

Sheet 2 of. 2

6. Identification of Components Repaired or Replaced and Replacement Components continued:

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 6202-2548	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
PLATE 2"-A-36	DUBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 4/17/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24410205 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A
   Authorization No. N/A
   Ann Arbor, MI (Address) — Expiration Date N/A
4. Identification of System COMPONENT COOLING WATER
5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE 3/4" A-36	DUBOSE	N/A	N/A	GD126884	N/A	REPLACED	N/A
HILTI KWIK BOLT II 1-9	HILTI	N/A	N/A	G27501	N/A	REPLACED	N/A
GROUT 713 NON-SHRINK	MASTERFLOW	N/A	N/A	GD142093	N/A	REPLACED	N/A
PAINT CARBO-ZINC II	CARBOLINE	N/A	N/A	GD151432	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-063/HGR HB24-R302.1
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ Pressure N/A psi Test Temp. N/A °F
   VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 6/12 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 1-26-95 to 6-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 NBI

Inspector's Signature National Board, State, Province, and Endorsements

Date 6-13 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 4/18/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24410270 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System COMPONENT COOLING WATER
5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
BP-PART 1000-12 REAR BRACKET	BERGEN PATERSON	N/A	N/A	G0126757	N/A	REPLACED	N/A
BP-PART 2250-12 RIGID STRUT	BERGEN PATERSON	N/A	N/A	G0126757	N/A	REPLACED	N/A
BP-PART 6202-12 PIPE CLAMP	BERGEN PATERSON	N/A	N/A	G0126757	N/A	REPLACED	N/A
PLATE 3/4" A-36	DUBOSE	N/A	N/A	G0126884	N/A	REPLACED	N/A
CARBO-ZINC II	CARBOLINE	N/A	N/A	G0151432	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-0063/HGR. HB24-H303.1
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ Pressure N/A psi Test Temp. N/A °F
   VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J H Fouty General Technical Analyst Date 6/12 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 12-15-94 to 6-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K F Blake Commissions MI: 762 NBI
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-13 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 2/11/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) T&B W.O. 24414273 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum Inc. (Name) Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) Authorization No. N/A
   Expiration Date N/A
4. Identification of System SERVICE WATER TO ENG. SAFEGUARD EQUIP.
5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
FIG. 137S U-BOLT A-36	GRINNELL	N/A	N/A	GD142242	N/A	REPLACED	N/A
TUBE STEEL 2X2X1/4	CONSOLIDATED STEEL	N/A	N/A	GD142594	N/A	REPLACED	N/A
PLATE 3/4" A-36	CONSOLIDATED STEEL	N/A	N/A	GD142594	N/A	REPLACED	N/A
HILTI KWIK BOLT II 1-9	HILTI	N/A	N/A	G149069	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-0066/ HGR. HB23-R100.3
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ Pressure N/A psi Test Temp. N/A °F
   VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 6/12 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 12-12-94 to 6-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I

Inspector's Signature National Board, State, Province, and Endorsements

Date 6-13 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 3/9/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 244142LOD (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System SWS

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

5. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
TUBE STEEL A-500 GR.B 4X4X3/8	CONSOLIDATED STEEL	N/A	N/A	GD142594	N/A	REPLACED	N/A
TUBE STEEL A-500 GR.B 6X4X3/8	CONSOLIDATED STEEL	N/A	N/A	GD142594	N/A	REPLACED	N/A
PLATE 1/2" A-36	CONSOLIDATED STEEL	N/A	N/A	GD142594	N/A	REPLACED	N/A
PLATE 3/4 A-36	CONSOLIDATED STEEL	N/A	N/A	GD142594	N/A	REPLACED	N/A
WT 5X22.5# 1' A-36	CONSOLIDATED STEEL	N/A	N/A	GD142594	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-006/HGR. HB23-H281

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F
VISUAL EXAM

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-2 (Back)

9. Remarks None -

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J H Fouty General Technical Analyst Date 6/12 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 1-12-95 to 6-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K E Blake Commissions Mi. 762 NBI
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-13 19 95

(12/82)

24414260

Sheet 2 of 2

6. Identification of Components Repaired or Replaced and Replacement Components continued:

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
GRINNEL FIG. 211 STRUT	GRINNELL	N/A	N/A	G0142242	N/A	REPLACED	N/A
PLATE 3/16 A-36	ENERGY STEEL	N/A	N/A	G640610	N/A	REPLACED	N/A
PLATE 1/8 A-570-36	ENERGY STEEL	N/A	N/A	2004-7456	N/A	REPLACED	N/A

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 6-11-95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) 24511158 T&B W.O. (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum Inc. (Name) Type Code Symbol Stamp N/A
   Authorization No. N/A
   Ann Arbor, MI (Address) Expiration Date N/A
4. Identification of System SERVICE WATER
5. (a) Applicable Construction Code AWS D1.1 19 90 Edition, AISC 8th Addenda, Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT HB23-R286	BERGEN PATERSON	NA	NA	P.O. G0153063	NA	REPAIRED	NO
SUPPORT HB23-R286.1	BERGEN PATERSON	NA	NA	P.O. G0153063	NA	REPLACED	NO

7. Description of Work REMOVED/REPLACED SUPPORT HB23-R286 & INSTALLED HB23-R286.1
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ Pressure N/A psi Test Temp. N/A °F
   VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.H. Fanty General Technical Analyst Date 7/11 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 4-6-95 to 7-12-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

L.E. Blake Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-12 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 2/13/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24414269 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System SERVICE WATER

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE 1/2" A-36	CONSOLIDATED Steel	N/A	N/A	GD142594	N/A	REPLACED	N/A
TUBG STEEL 3"X3"X1/4"	CONSOLIDATED STEEL	N/A	N/A	GD142594	N/A	REPLACED	N/A
PLATE 3/4" A-36	DuBOSE	N/A	N/A	GD132856	N/A	REPLACED	N/A
HILTI KWIK BOLT II 3/4-7	HILTI	N/A	N/A	CPLD STOCK NO ZB-03112	N/A	REPLACED	N/A

7. Description of Work MODIFY SUPPORT PER SC-93-066 / HGR. HB23-H76

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F
VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 7/11 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 1-3-95 to 7-12-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-12 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 1/11/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24412789 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum ~~EOC~~, Inc. (Name) — WB 1/11/95 — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System ENG. SAFEGUARD PUMP SUC.

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 6202-25-24"	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
B-P PART 2250-25	BERGEN PATERSON	N/A	N/A	WB 2-1-95 G0135458	N/A	REPLACED	N/A
B-P PART 1000-25	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
PLATE 1" - A-36	DUBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
HILTI KWIK BOLT II	HILTI	N/A	N/A	G0109432	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-068 / HGR. HC3-H152

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F

VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 7/12 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 10-28-94 to 7-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N, B, I
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-13 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 2/7/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24414274 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System SERVICE WATER TO ENG. SAFEGUARD EQUIP.

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE 1/2" - A-36	Consolidated Steel	N/A	N/A	G0142594	N/A	REPLACED	N/A
HILTI KWIK BOLT II 5/8" X6" LG.	HILTI	N/A	N/A	G0114831	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-066/HGR: HB23-H111.4

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F
VISUAL EXAM

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 7/12 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 12-24-94 to 7-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 7602 N.B.I.

Inspector's Signature National Board, State, Province, and Endorsements

Date 7-13 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 12/17/94
27780 Blue Star Hwy. Covert, MI 49043 (Address) Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) Unit 1
27780 Blue Star Hwy. Covert, MI 49043 (Address) TEB W.O. 24412808 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed By Townsend & Bottum, Inc. (Name) Type Code Symbol Stamp N/A
2245 South State St. Ann Arbor, MI 48106 (Address) Authorization No N/A
Expiration Date N/A

4. Identification of System SAFETY INJECTION

5. (a) Applicable Construction Code AISC 19 8TH Edition N/A Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S'83

6. Identification of Components Repaired or Replaced and Replacement Components.

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No	National Board No	Other Identification P.O. NO.	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No)
PLATE 3/16 A-36	~~ENERGY STEEL~~ ~~DuBOSE~~	N/A	N/A	G44061 @ ~~G0132856~~ WO 218193	N/A	REPLACED	N/A
PLATE 1/2 A-36	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
PLATE 3/4 A-36	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
PLATE 7/16 A-36	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
TUBE STEEL 2X2X1/4	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-068/HGR. HC3-R166.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ (VISUAL EXAM) Pressure N/A psi Test Temp N/A °F

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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be Attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No N/A Expiration Date N/A

Signed [signature] General Technical Analyst Date 7/12, 1995
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA. have inspected the components described in this Owner's Report during the period 10-11-94 to 7-13-95, 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. FACTORY MUTUAL ENGRG. ASSO.

[signature] Commissions MI. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-13 1995

(12/82)

6. Identification of Components Repaired or Replaced and Replacement Components continued:

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
TUBE STEEL 4X4X1/4	DUBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
HILTI KWIK BOLT	HILTI	N/A	N/A	CPCO STOCK# 28-03161	N/A	REPLACED	N/A
HILTI KWIK BOLT	Hilti	N/A	N/A	G27501	N/A	REPLACED	N/A

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 2/10/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24412807 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System ENG. SAFEGUARD PUMP SUCTION

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O.NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 6175-12-18"	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
B-P PART 2250-12	BERGEN PATERSON	N/A	N/A	G0135450	N/A	REPLACED	N/A
B-P PART 1000-12	BERGEN PATERSON	N/A	N/A	G0135454	N/A	REPLACED	N/A
PLATE 3/4" A-36	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
TUBE STEEL 4X4X1/2 A-500	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A

7. Description of Work MODIFIED SUPPORT PER SC-93-068/HGR. HC3-H151.6

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F

VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed JH Fouty General Technical Analyst Date 7/12 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 8-26-94 to 7-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

L F Blake Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-13 19 95

(12/82)

24412807

Sheet 2 of 2

6. Identification of Components Repaired or Replaced and Replacement Components continued:

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE 1" A-36	DuBOSE	N/A	N/A	G0132856	N/A	REPLACED	N/A
HILTI KWIK BOLT II 1-12	HILTI	N/A	N/A	G-27501	N/A	REPLACED	N/A
HILTI KWIK BOLT II 1-9	HILTI	N/A	N/A	G149069	N/A	REPLACED	N/A

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 2/11/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — TEB W.O. 24414266 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System SERVICE WATER
5. (a) Applicable Construction Code AESC 19 8th Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE 3/4" A-36	CONSOLIDATED steel	N/A	N/A	G0142594	N/A	REPLACED	N/A
HILTI KWIKBOLT II 34-7	HILTI	N/A	N/A	G139025	N/A	REPLACED	N/A

7. Description of Work MODIFY SUPPORT PER SC-93-066/HGR. HB23-H57
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ■ Pressure N/A psi Test Temp. N/A °F
   VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 7/12 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 1-12-95 to 7-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. Hed N,B,I

Inspector's Signature National Board, State, Province, and Endorsements

Date 7-13 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 3/30/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — TEB W.O. 24413795 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System SERVICE WATER

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. NO.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE 1 1/2" A-36	DuBOSE ✓	N/A	N/A	GO132856	N/A	REPLACED	N/A
PLATE 1" A-36	DuBOSE ✓	N/A	N/A	GO132856	N/A	REPLACED	N/A
PLATE 3/4" A-36	DuBOSE ✓	N/A	N/A	GO132856	N/A	REPLACED	N/A
PLATE 1/4" A-36	DuBOSE ✓	N/A	N/A	GO132856	N/A	REPLACED	N/A
ANGLE 4"X4"X1/2" A-36	DuBOSE ✓	N/A	N/A	GO132856	N/A	REPLACED	N/A

7. Description of Work MODIFY SUPPORT PER SC-93-067/HGR. H823-H4

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ■ Pressure N/A psi Test Temp. N/A °F
VISUAL EXAM

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 7/12 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 1-3-95 to 7-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 7662 N.B.I.

Inspector's Signature National Board, State, Province, and Endorsements

Date 7-13 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 7/13/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 245107790 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A
   Authorization No. N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Expiration Date N/A
4. Identification of System Safety Injection Tank Drain
5. (a) Applicable Construction Code Section III 19 77 Edition, S 77 Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve Bonnet	Vogt	N/A	N/A	PO 1009-5132	1990	Replaced	No

7. Description of Work Repaired Manual Valve ES3234A
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
   Other ☐ Pressure 55 psi Test Temp. Ambient °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. W. Martin General Analyst Date 7/13, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 5-26-95 to 7-14-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K. H. Blake Commissions Mi 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-14 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 7/13/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 24510704 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A
   Authorization No. N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Expiration Date N/A
4. Identification of System Safety Injection Tank Drain
5. (a) Applicable Construction Code Section III 19 77 Edition, S77 Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve Bonnet	Vogt	N/A	N/A	PO 1009-5132	1990	Replaced	No
Bonnet Bolts	Vogt	N/A	N/A	PO 1009-5132	1990	Replaced	No

7. Description of Work Repaired Manual Valve ES 3234
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
   Other ☐ Pressure 55 psi Test Temp. Ambient °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. W. Newton Gen Analyst Date 7/13, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 5-26-95 to 7-14-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions MI 762 N,BI

Inspector's Signature National Board, State, Province, and Endorsements

Date 7-14 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 7/29/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) T&B W.O. 24512254 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System SERVICE WATER

5. (a) Applicable Construction Code B31.1 19 89 Edition, NA Addenda, NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CHECK VALVE CK-SW 407	ANCHOR DARLING	E-6318-59-2	NA	G168549	NA	REPLACED	NO

7. Description of Work REPLACEMENT OF CONTAINMENT AIR COOLER VHX-1 OUTLET CHECK VALVE CK-SW 407

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure NA psi Test Temp. SYS °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed J H Jordy General Technical Analyst Date 8/24, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 7-24-95 to 8-24-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions Mi. 762 N,B,I

Inspector's Signature National Board, State, Province, and Endorsements

Date 8-24 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 8-28-95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W.O. 24511363 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System Service WATer System
5. (a) Applicable Construction Code B31.1 19 89 Edition, N/A Addenda, N-416-1 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Globe Valve MV-SW136	Crane	model # 143½ x R	N/A	G0157096	1995	Replaced	No
300# RFWN Flange	Dubose Energy	N/A	N/A	G1673970	1995	Replaced	No
H. H. Nuts 5/8" SA194 Gr 2H	Cardinal Ind.	N/A	N/A	G0159603	1995	Replaced	No
5/8" Studs SA193 Gr 7	Cardinal Ind.	N/A	N/A	2002-7821	1987	Replaced	No

7. Description of Work Replaced Valve MV-SW136
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed J H Fouty General Technical Analyst Date 8/28, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 5-31-95 to 8-29-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K E Blake Commissions Mi. 762 N,B, I

Inspector's Signature National Board, State, Province, and Endorsements

Date 8-29 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 8-28-95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W.O. 24413391 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System Service Water System

5. (a) Applicable Construction Code B31.1 19 89 Edition, N/A Addenda, N-416-1 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6" 150# Flanged Butterfly Valve	Enertech	N/A	N/A	G0133707	1994	Replaced	No
6" 150# RFWN Flange	Tioga	N/A	N/A	G1581670	1991	Replaced	No
6" 150# Blind Flange	Tioga	N/A	N/A	G163957	1995	Replaced	No
5" x 3" x 1/4" Angle A-36	Dubose	N/A	N/A	G159703	1995	Replaced	No
3/8" Plate A-36	Consolidated Power	N/A	N/A	G142594	1994	Replaced	No

7. Description of Work Install 6" Flanged Valve and Add new Support.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 8/29 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 5-10-95 to 8-29-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions MI. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-29 19 95

(12/82)

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification A.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS SA193-B7	CARDINAL INDUSTRIES	N/A	N/A	1007-0885	1986	Replaced	No
NUTS SA194-2H	NOVA MACHINE	N/A	N/A	G101299	1993	Replaced	No

2441 3391

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Co. (Name) Date 8/30/95
   27780 Blue Star Hwy. Covert, MI (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Hwy. Covert, MI (Address) W.O. 24410499 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by B&W Nuclear Technologies (Name) Type Code Symbol Stamp N/A
   3315 Old Forrest Rd. Lynchburg, VA 24501 (Address) Authorization No. N/A
   Expiration Date N/A
4. Identification of System Primary Coolant System — Pressurizer N-416-1
5. (a) Applicable Construction Code Section III 1986 Edition, N/A Addenda, 2142 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19____
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pressurizer Safe-End	B&W Nuclear Technologies	1236055-001-1	N/A	N/A	1995	Replaced	Yes

7. Description of Work Replaced Pressurizer PORV Safe-End.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See ATTACHED N-2 DATA REPORT

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J H Fonty General Technical Analyst Date 8/30, 19 95
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 MICHIGAN and employed by PROTECTION MUTUAL INS. CO. of NORWOOD, MA have inspected the components described in this Owner's Report during the period 5-19-95 to 8-30-95, 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.

FACTORY MUTUAL ENGR. ASSN.

K L Blake Commissions MI. 762 N.B.I
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-30 19 95

(12/82)

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 B&W Nuclear Technologies, 3315 Old Forest Road, Lynchburg, VA 24501 (name and address of NPT Certificate Holder)

2. Manufactured for Consumers Power Company, 27780 Blue Star Memorial Highway, Coverr, MI 49043 (name and address of Purchaser)

3. Location of installation Palisades Nuclear Plant, 27780 Blue Star Memorial Highway, Covert, MI 49043 (name and address)

4. Type: 1236055E (drawing no.) Rev.0 SA-479/TP316 (mat'l. spec. no.) 75 KSI (tensile strength) N/A (CRN) 1995 (year built)

5. ASME Code, Section III, Division 1: 1986 (edition) None (addenda date) 1 (class) N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: For replacement of PORV safe end/spool piece on pressurizer. System Pressure Test to be performed in accordance with IWB-5000 after installation.

8. Nom. thickness (in.) .440 Min. design thickness (in.) .3153 Dia. ID (ft & in.) 3.620 in Length overall (ft & in.) 24.00 in

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
(1)	1236055-001-1	
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		
(11)		
(12)		
(13)		
(14)		
(15)		
(16)		
(17)		
(18)		
(19)		
(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
(37)		
(38)		
(39)		
(40)		
(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 2500 psi. Temp. 700 °F. Hydro. test pressure N/A (when applicable) at temp. °F

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ 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. 1236055-001-1 through N/A

CERTIFICATION OF DESIGN

Design specifications certified by K. B. Stuckey (when applicable) P.E. State (MI) VA Reg. no. (40661) 15577

Design report* certified by H. T. Harrison (when applicable) P.E. State (MI) ~~VA~~ Reg. no. (40685) ~~12551~~

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) replacement safe end/spool piece conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2843 Expires June 21, 1997

Date 4/24/95 Name B&W Nuclear Technologies (NPT Certificate Holder) Signed E A Mayhew (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 North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of Hartford, CT have inspected these items described in this Data Report on 4-24-95, 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 a loss of any kind arising from or connected with this inspection.

Date 4-24-95 Signed [signature] (Authorized Inspector) Commissions NB8734 NA, NC1083 [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/5/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — 24412452 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System Containment Spray
5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Angle 3x3x1/4 A-36	Consolidated Steel	N/A	N/A	G142594	1995	Replaced	No
Beam W4x13	Consolidated Steel	N/A	N/A	G142594	1995	Replaced	No

7. Description of Work Modified Support HGR/HC44-R927.2 per SC-93-072
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☒ Pressure _____ psi Test Temp. _____ °F
   VT-3

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst (Owner or Owner's Designee, Title) Date 9/5 19 95

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 Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 3-17-95 to 9-6-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I

Inspector's Signature — National Board, State, Province, and Endorsements

Date 9-6 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/5/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) 24412451 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System Containment Spray

5. (a) Applicable Construction Code AISC 1989 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support HC44-R892.1	CPCO	N/A	N/A	HC44-R892.1	1995	Replaced	No

7. Description of Work Added new pipe support HGR/HC44-R892.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ Pressure _____ psi Test Temp. _____ °F

VT-3

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/5 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 3-17-95 to 9-6-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi 762 N,B,I

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-6 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/5/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — 24412236 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System Containment Spray
5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 6502-8 U-Bolt	Bergen Patterson	N/A	N/A	6142470	1995	Replaced	No
Angle 3x3x3/8 A-36	Consolidated Steel			6142594	1995	Replaced	No
W member 8x28 A-36					1995	Replaced	No
Tube Steel 4x2x1/4 A-500					1995	Replaced	No
Tube Steel 4x4x1/2 A-500					1995	Replaced	No

7. Description of Work Modified pipe hanger HC44-H890 & HC44-H890A per SC-93-072
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☒ Pressure _____ psi Test Temp. _____ °F
   VT-3

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/5 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 3-23-95 to 9-6-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N, B, I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-6 19 95

(12/82)

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Plate ½" A-36	Consolidated Steel	N/A	N/A	6142594	1995	Replaced	No
Plate 1" A-36	↓	N/A	N/A	↓	1995	Replaced	No
Plate 3/16" A-36	↓	N/A	N/A	6148021	1995	Replaced	No

W.O. 24412236

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/5/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) W.O. 24411388 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) Type Code Symbol Stamp N/A

Authorization No. N/A

Ann Arbor, MI (Address) Expiration Date N/A

4. Identification of System Spent Fuel Cooling

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Angle 3x3x1/4 A-36	Consolidated Steel	N/A	N/A	G142594	1995	Replaced	No

7. Description of Work Modified Support HGR/HC4-H215.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ Pressure _____ psi Test Temp. _____ °F

VT-3

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/5 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 3-28-95 to 9-6-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-6 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/5/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — 24410249 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System Feedwater
5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Angle 5x3x½ A-36	Consolidated Steel	N/A	N/A	G142594	1995	Replaced	No
Channel 5x6.7 A-36	↓	N/A	N/A	G142594	1995	Replaced	No

7. Description of Work Modified pipe support HGR/EB9-R32.1A per SC-93-073
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☒ Pressure _____ psi Test Temp. _____ °F
   VT-3

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/5 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 3-17-95 to 9-6-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-6 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/6/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24512409 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A
4. Identification of System Service Water
5. (a) Applicable Construction Code B31.1 19 86 Edition, N/A Addenda, N-416-1 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VHX-27A	American Air Filter	A220	N/A	2002-3186	1971	Repaired	No

7. Description of Work Repaired Tube leaks by brazing.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/6, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 7-26-95 to 9-7-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I.
Inspector's Signature — National Board, State, Province, and Endorsements

Date 9-7 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 8-30-95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O.# 2441394 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System SERVICE WATER TO ENGINEERED SAFEGUARDS LUBE OIL COOLER K6B

5. (a) Applicable Construction Code B31.1 19 89 Edition, NA Addenda, N-416-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RFWN FLANGE 6" 150#	TIOGA Pipe	NA	NA	G0158167Q	NA	REPLACED	NO
6" STRAIGHT TEE 150#	TIOGA PIPE	NA	NA	G0158670	NA	REPLACED	NO
BLIND FLANGE 6" 150#	ENERGY STEEL	NA	NA	G0163957	NA	REPLACED	NO
6" BUTTERFLY VALVE 150#	ENERTECH	NA	NA	G0133707	1995	REPLACED	NO
3x3x3/8" C.S. A36 ANGLE	ENERGY STEEL	NA	NA	G0116484	NA	REPLACED	NO

7. Description of Work INSTALLATION OF VALVE, TEE & MODIFIED

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☒ Pressure NOM psi Test Temp. NOM °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-7 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 5-10-95 to 9-7-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-7 19 95

(12/82)

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/4"ϕ STUDS SA193 B7	CARDINAL INDUSTRIAL	NA	NA	1007-0885	NA	REPLACED	NO
3/4" H.H. Nut SA-194 2H	CARDINAL INDUSTRIAL	NA	NA	G101299	NA	RELACED	NO

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 2/9/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W.O. 24413794 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System ServiceWATer
5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
NPS SPC-10-240	NPS	N/A	N/A	G126883	1994	Replaced	No
Tube Steel 5" x 3" x 3/16	Consolidated Steel	N/A	N/A	G148021	1994	Replaced	No
Plate 1"	Dubose	N/A	N/A	G132856	1994	Replaced	No
Hilti Kwik Bolt 3/4"	Hilti	N/A	N/A	1010-2500	N/A	Replaced	No

7. Description of Work modified Support per SC-93-067/HGR/HB03-H1.4A
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☒ Pressure _____ psi Test Temp. _____ °F
   VT-3

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FORM NIS-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/7 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 12-23-94 to 9-12-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I.

Inspector's Signature

National Board, State, Province, and Endorsements

Date 9-12 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9-7-95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — 24412830 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System Safety Injection

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 6175-4-14"	Bergen Patterson	N/A	N/A	G135450	1995	Replaced	No
B-P PART 2250-4	Bergen Patterson	N/A	N/A	G135450	1995	Replaced	No
B-P PART 1000-4	Bergen Patterson	N/A	N/A	G135454	1995	Replaced	No

7. Description of Work Modified Support HGR/GC8-H129 per SC-93-068.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ Pressure _____ psi Test Temp. _____ °F

VT-3

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-7 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 10-31-94 to 9-12-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-12 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 6/29/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) W.O. 24412790 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum FOC, Inc. (Name) Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) Authorization No. N/A
   Expiration Date N/A
4. Identification of System Engineered SAfeguards
5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 22002 STRUT	Bergen PATTerson	N/A	N/A	G135454	1994	Replaced	No
HILTI BOLT KBII 1-9	HILTI	N/A	N/A	G149069	1994	Replaced	No

7. Description of Work Modified HGR/HC3-R151.1 per SC-93-068.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☒ Pressure _____ psi Test Temp. _____ °F
   VT-3

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/8, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 3-17-95 to 9-12-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-12 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9-12-95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W.O. 24413800 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System Spent Fuel Pool Cooling
5. (a) Applicable Construction Code B31.1 19 89 Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
7/8" STuds SA564 Gr 630	Cardinal Industries	N/A	N/A	5022-2342	1988	Replaced	No
7/8" H. H. Nuts SA194 Gr 8	Cardinal Industries	↓	↓	G152336	1995	↓	↓
3/4" STuds SA564 Gr 630	Cardinal Industries	↓	↓	2003-6914	1989	↓	↓
3/4" H. H. Nuts SA194 Gr 8	Nova Machine	↓	↓	G15161	1992	↓	↓

7. Description of Work Replaced fasteners on spent fuel pool gasket strain
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J.A. Fanty General Technical Analyst (Owner or Owner's Designee, Title) Date 9/12, 19 95

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 Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 3-20-95 to 9-12-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K.J. Blake Commissions Mi. 762 N,B,I

Inspector's Signature — National Board, State, Province, and Endorsements

Date 9-12 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9-12-95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W.O. 24413799 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System Spent Fuel Pool Cooling

5. (a) Applicable Construction Code B31.1 19 89 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
7/8" Studs SA564 Gr 630	Cardinal Industries	N/A	N/A	5022-2342	1988	Replaced	No
7/8" H.H. Nuts SA194 Gr 8	Cardinal Industries	↓	↓	682456	1993	↓	↓
3/4" Studs SA564 Gr 630	Cardinal Industries	↓	↓	2003-6914	1989	↓	↓
3/4" H.H. Nuts SA194 Gr 8	Cardinal Industries	↓	↓	6152336	1995	↓	↓

7. Description of Work Replaced GASKET STRAINER AND FASTENERS in Spent Fuel Pool Cooling.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed J H Jonty General Technical Analyst Date 9/12, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 3-1-95 to 9-12-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K E Blake Commissions Mi. 762 N, B, I

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-12 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/8/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W.O. 24511934 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System Chemical & Volume Control

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" - 13 Bolt A-307	Nova machine	N/A	N/A	G131332	1994	Replaced	No
1/2" -13 Nut	Cardinal Industries	N/A	N/A	G43999	1992	Replaced	NO
Plate Steel 1/2 A-36	Bethleham Steel	N/A	N/A	G61595	1992	Replaced	No
Hilti Kwik Bolt 1/2"	Hilti Inc.	N/A	N/A	G109432	1994	Replaced	No

7. Description of Work Modify Support H6R/CC3-H2.0

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ Pressure _____ psi Test Temp. _____ °F

VT-3

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/8, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 7-30-95 to 9-12-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-12 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/8/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) W.O. 24511255 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System Spent Fuel Pool

5. (a) Applicable Construction Code B31.1 19 89 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O.#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/4" STuds SA-564 Gr 630	Cardinal Industrial	N/A	N/A	6156035	1995	Replaced	No
3/4" Bolts SA-564 Gr 630	Cardinal Industrial	N/A	N/A	6156035	1995	Replaced	No
3/4" H.H. Nuts SA-194 Gr B	Cardinal Industrial	N/A	N/A	6156035	1995	Replaced	No

7. Description of Work Replaced fasteners on MV-SFP104.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/11 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 4-17-95 to 9-12-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-12 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/11/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W.O. 24510735 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System Spent Fuel Pool Cooling

5. (a) Applicable Construction Code B31.1 19 89 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/4" Studs SA-564 Gr 630	Cardinal Industries	N/A	N/A	2003-6914	1989	Replaced	No
3/4" H.H. Nuts SA194 Gr 8	Cardinal Industries	N/A	N/A	6152336	1995	Replaced	No
3/4" Hex Head Bolt SA564 Gr 630	Cardinal Industries	N/A	N/A	6156035	1995	Replaced	No
3/4" H.H. Nuts SA194 - Gr B	Cardinal Industries	N/A	N/A	6156035	1995	Replaced	No

7. Description of Work Replaced fasteners on MV-SFA102.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/11, 1995

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 3-1-95 to 9-12-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-12 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/11/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W.O. 24510734 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System Spent Fuel Pool Cooling

5. (a) Applicable Construction Code B31.1 19 89 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
7/8" STuds SA 564 Gr 630	NOVA Machine	N/A	N/A	G15161	1992	Replaced	No
7/8" H.H. Nuts SA 194 Gr 8	Cardinal Industries	N/A	N/A	1009-9554	1990	Replaced	No
7/8" H.H. Nuts SA194 Gr 8	Cardinal Industries	N/A	N/A	5026-9245	1989	Replaced	No
7/8" H.H. Bolts SA 564 Gr 630	Cardinal Industries	N/A	N/A	G156035	1995	Replaced	No
7/8" H.H. Nuts SA 194 Gr B	Cardinal Industries	N/A	N/A	G156035	1995	Replaced	No

7. Description of Work Replaced Fasteners on MV-SFP101.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed H. Fouty General Technical Analyst Date 9/11, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 2-28-95 to 9-12-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K E Blake Commissions Mi. 762 N,B,I

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-12 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/11/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W.O. 24511034 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System Spent Fuel Pool Cooling
5. (a) Applicable Construction Code B31.1 19 89 Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O.#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
7/8" Studs SA564 Gr 630	NOVA Machine	N/A	N/A	G15161	1992	Replaced	No
7/8" H.H. Nuts SA194 Gr 8	Victor Products	N/A	N/A	1003-6913	1982		No
7/8" H.H. Nuts SA194 Gr 8	Victor Products	N/A	N/A	1002-0889	1981		No
7/8" H.H. Nuts SA194 Gr 8	Cardinal Industries	N/A	N/A	G82456	1993		No
7/8" H.H. Nuts SA194 Gr 8	Cardinal Industries	N/A	N/A	5026-9245 5025-2815	1989		No

7. Description of Work Replaced FASTENERS on MV-SFP103.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/11, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 4-3-95 to 9-12-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K F Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-12 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/13/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24302518 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A
4. Identification of System High Pressure Safety Injection
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hex Nuts	Dubose National	N/A	N/A	G153468	1995	Replaced	No
Studs SA564 Type 630	Cardinal Industrial	N/A	N/A	G20976	1992	Replaced	No

7. Description of Work Replaced Studs and Nuts on FE-0316.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/13, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 1-27-95 to 9-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N, B, I

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-13 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/13/95

   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

   27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 24302519 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A

   Authorization No. N/A

   27780 Blue Star Mem. Hwy., Covert, MI (Address) Expiration Date N/A

4. Identification of System High Pressure Safety Injection

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs SA564 Ty 630	Cardinal Industrial	N/A	N/A	620976	1992	Replaced	No
1" Heavy Hex Nuts	Nova Machine	N/A	N/A	691751	1993	Replaced	No

7. Description of Work Replaced studs and nuts on FE-0317.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/13, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 1-27-95 to 9-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-13 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9-6-95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W.O. 24510950 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System Service WATer

5. (a) Applicable Construction Code B31.1 19 89 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
16" A-105 Flange 150#	Hydra Stop Inc.	N/A	N/A	6156795	1995	Replaced	No
16" Blind Flange	Hydra Stop Inc.	N/A	N/A	6156795	1995	Replaced	No
16" A-106 SPool Piece	Hydra Stop Inc.	N/A	N/A	6156795	1995	Replaced	No
1" STUDS	Cardinal Industries	N/A	N/A	5030-6129	1991	Replaced	No
1" NUTS	Nova Machine	N/A	N/A	697241	1993	Replaced	No

7. Description of Work 16" ø Flanged Hot TAP Connection used For The installation of A Temporary line Stop.

8. Tests Conducted: Hydrostatic [X] Pneumatic [ ] Nominal Operating Pressure [ ]
Other [ ] Pressure 110 psi Test Temp. Ambient °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/6 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 5-16-95 to 9-18-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-18 19 95

(12/82)

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Nuts & Studs	Nova Machine	N/A	N/A	G160023	1995	Replaced	No
Nuts & Studs	Nova Machine	N/A	N/A	G160026	1995	Replaced	No

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 2/11/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24414268 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System Diesel Generator Heat Exchanger

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Tube Steel 4x4x1/4 A-500(B)	Consolidated Steel	N/A	N/A	60142594	1993	Replaced	No
Plate 1/2" A-36	Consolidated Steel	N/A	N/A	60142594	1993	Replaced	No
Plate 3/8" A-36	Consolidated Steel	N/A	N/A	60142594	1993	Replaced	No
Hilti Kwik Bolt II 34-7	Hilti	N/A	N/A	60139025	1994	Replaced	No
Hilti Kwik Bolt II 1-12	Hilti	N/A	N/A	60140528	1994	Replaced	No

7. Description of Work Modified Support Per SC-93-066 / HGR-HB23-HB2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT-3

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst (Owner or Owner's Designee, Title) Date 9-21, 1995

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 Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 1-3-95 to 9-21-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I

Inspector's Signature — National Board, State, Province, and Endorsements

Date 9-21 1995

(12/82)

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE 1" A-36	DuBOSE	N/A	N/A	G0132856	1994	REPLACED	No.

T&B W.O. 24414268

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 7/10/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) T&B W.O. 24412449 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum FOC, Inc. (Name) Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) Authorization No. N/A
   Expiration Date N/A
4. Identification of System Containment Spray
5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 1000-4 REAR BRACKET	BERGEN PATTERSON	N/A	N/A	G0142470	1994	REPLACED	NO
B-P PART 2015-4 STRUT	BERGEN PATTERSON	N/A	N/A	G0142470	1994	REPLACED	NO
B-P PART 6000-4B CLAMP	BERGEN PATTERSON	N/A	N/A	G0142470	1994	REPLACED	NO
CARBO ZINC II PAINT	CARBOLINE	N/A	N/A	G0151492	1995	REPLACED	NO

7. Description of Work Modified HGR. / HC44-R894.1 PER SC-93-072
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☑ VT Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [illegible] General Technical Analyst Date 9-21, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 3-17-95 to 9-21-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K. E. Blake Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-21 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 7/10/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24410201 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System FEEDWATER

5. (a) Applicable Construction Code AISC 1989 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Angle 5x3x½ A-36	Consolidated Steel	N/A	N/A	G0142594	1993	Replaced	No
Channel 5X6.7 A-36	Consolidated Steel	N/A	N/A	G0142594	1993	Replaced	No
CARBO-Zinc II Paint	Carboline	N/A	N/A	G0151492	1995	Replaced	No

7. Description of Work Modified HGR. EB9-R30.1 PER SC-93-074

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☑ VT Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-21, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 3-17-95 to 9-21-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-21 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 5/31/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24511156 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System SERVICE WATER

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLATE 5/8" A36	U.S. STEEL	N/A	N/A	G025106	1992	REPLACED	NO
FORGED CLEVIS	BERGEN PATERSON	PART # 5110	N/A	G0155787	1995	REPLACED	NO
HEAVY HEX NUTS	BERGEN PATERSON	PART # 5400	N/A	G0155787	1995	REPLACED	NO
1½" THRD. ROD	BERGEN PATERSON	PART # 5001	N/A	G0155787	1995	REPLACED	NO
1½" FORGED TURNBUCKLE	BERGEN PATERSON	PART # 5100	N/A	G0155787	1995	REPLACED	NO

7. Description of Work Modified Hanger JB1-H54 Per SC-95-040

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☑ Pressure _____ psi Test Temp. _____ °F

VT-3

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-21, 1995
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 4-20-95 to 9-21-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions MI. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-21 1995

(12/82)

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1½" welded Eye Rod	BERGEN PATERSON	PART # 5004	N/A	G0155787	1995	REPLACED	No
1½" Bolts	BERGEN PATERSON	PART # 5500	N/A	G0155787	1995	REPLACED	No

T&B W.O. 24511156

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 1/14/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 244102809 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System Safety Injection

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
B-P PART 6175-7-14"	BERGEN PATERSON	N/A	N/A	G0135450	1994	REPLACED	No
B-P PART 2250-7	BERGEN PATERSON	N/A	N/A	G0135450	1994	REPLACED	No
B-P PART 1000-7	BERGEN PATERSON	N/A	N/A	G0135454	1994	REPLACED	No
PLATE 3/4" - A-36	DuBOSE	N/A	N/A	G0126884	1994	REPLACED	No
HILTI KWIK BOLT II 3/4"	HILTI	N/A	N/A	5009-8168	1995	REPLACED	No

7. Description of Work Modified PER SC-93-068 / HGR - GC8-R109.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☑ Pressure _____ psi Test Temp. _____ °F

VT-3

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-20, 1995
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 10-31-94 to 9-21-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N, B, I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-21 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 3/11/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 244142S8 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System SWS

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
GRINNELL Fig. 211, STRUT	GRINNELL	N/A	N/A	60142242	1994	REPLACED	No
TUBE STEEL 4X4 X 1/2	CONSOLIDATED STEEL	N/A	N/A	60142594	1993	REPLACED	No
NPS SPC-10-040 PIPE CLAMP	NPS PRODUCTS	N/A	N/A	60142024	1994	REPLACED	No
PLATE 5/8-A-36	CONSOLIDATED STEEL	N/A	N/A	60142594	1993	REPLACED	No
PLATE 3/4-A-36	CONSOLIDATED STEEL	N/A	N/A	60142594	1993	REPLACED	No

7. Description of Work Modified Support PER SC-93-066 / HGR. H823-H280.2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☑ Pressure _____ psi Test Temp. _____ °F.
VT-3

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-20, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 12-15-94 to 9-21-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I

Inspector's Signature

National Board, State, Province, and Endorsements

Date 9-21 19 95

(12/82)

Name of Component	Name of Manufacturer or Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HILTI KWIK BOLT II 1"	Hilti	N/A	N/A	G149069	1995	Replaced	No
SPHERICAL WASHER 1"	MC MASTER CARR	N/A	N/A	0341-01781	1995	Replaced	No

T&B W.O. 24414258

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 7/17/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) T&B W.O. 24410500 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System Primary Coolant System

5. (a) Applicable Construction Code ANSI B31.1 19 86 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Filler Material 3/32 - ER-308	Weldstar Co.	N/A	N/A	G0106210	1994	Replaced	No
Filler Material 1/8 - ER-308	Weldstar Co.	N/A	N/A	2004-6724	1993	Replaced	No

7. Description of Work Remove & Replace Temperature Element TE-0101

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑

Other ☑ Pressure _____ psi Test Temp. _____ °F

PT Root & Final And Visual

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-21, 1995
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 5-16-95 to 9-21-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-21 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 6/25/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. No. 04300894 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System ESS

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS 1¼ - 8 THRD	CARDINAL INDUSTRIES	N/A	N/A	G1550760	1995	REPLACED	No
NUTS 1¼ - 8 THRD	CARDINAL INDUSTRIES	N/A	N/A	G1550760	1995	REPLACED	No
NUTS 1¼ - 8 THRD	CARDINAL INDUSTRIES	N/A	N/A	G0116380	1994	REPLACED	No
GASKET	A.L. CRUMP	N/A	N/A	G0166270	1995	REPLACED	No
GASKET	A.L. CRUMP	N/A	N/A	G0166270	1995	REPLACED	No

7. Description of Work Modified CK-ES3181 PER SC-94-130

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT / PT

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J H Jones General Technical Analyst Date 9-20 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 4-28-95 to 9-21-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-21 19 95

(12/82)

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1" S/S Coupling	Hub Inc.	N/A	N/A	28365	1992	Replaced	No

T&B W.O. No. 24300894

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 5/12/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 2
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) T&B W.O. 24303399 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Townsend & Bottum FOC, Inc. (Name) Type Code Symbol Stamp N/A
   Ann Arbor, MI (Address) Authorization No. N/A
   Expiration Date N/A
4. Identification of System Spent Fuel Pool Cooling
5. (a) Applicable Construction Code ANSI B31.1 19 86 Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer or Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8" Weld Neck Flange 150#	Consolidated Power Supply	N/A	N/A	G0133206	1994	Replaced	No
8" 150# Check Valve	Anchor/Darling	EA-683-1-1	N/A	2003-1624Q	1989	Replacement	No
8"x6" Concentric Reducer	Tioga Pipe	N/A	N/A	G0133208	1994	Replaced	No
6" Weld Neck Flange 150#	Chicago Tube & Iron	N/A	N/A	2003-2785	1988	Replaced	No
7/8" Studs	Cardinal Industrial	N/A	N/A	5022-2342	1988	Replaced	No

7. Description of Work Replaced CK-SFP-0400 & Piping Components Per SC-94-011
8. Tests Conducted: Hydrostatic ☑ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☑ Pressure 140 psi Test Temp Ambient °F
   VT/PT/RT

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J.H. Fouty General Technical Analyst Date 9-21, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 2-9-95 to 9-21-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K.R. Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-21 19 95

(12/82)

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/4" STUDS	CARDINAL INDUSTRIAL	N/A	N/A	2003-6914	1989	REPLACED	No
7/8" NUTS	CARDINAL INDUSTRIAL	N/A	N/A	G82456	1993	REPLACED	No
3/4" NUTS	CARDINAL INDUSTRIAL	N/A	N/A	G82456	1993	REPLACED	No

T&B W.O. 24303399

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/21/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B w.o. 24303659 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System SWS

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1"x12½" STUD	CARDINAL INDUSTRIAL	N/A	N/A	G160713	1995	Replaced	No
1"x5½" STUD	CARDINAL INDUSTRIAL	N/A	N/A	G160713	1995	Replaced	No
7/8 X9" STUDS	NOVA MACHINE	N/A	N/A	G0160023	1995	Replaced	No
7/8" Hex Nuts	NOVA MACHINE	N/A	N/A	G0160023	1995	Replaced	No
16" Butterfly Valve MV-SW-134	ENERTECH	N/A	N/A	G124518	1994	Replacement	NO

7. Description of Work Replaced MV-SW134 Per FES-95-003

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑

Other ☑ VT Pressure _____ psi Test Temp. _____ °F

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FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-21, 1995
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 5-17-95 to 9-21-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-21 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 8/2/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) FC-949 W.O.# 24411748 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) Type Code Symbol Stamp N/A

Authorization No. N/A

Ann Arbor, MI (Address) Expiration Date N/A

4. Identification of System ESS - Sodium Hydroxide & Hydrazine Injection System

5. (a) Applicable Construction Code ANSI B31.1 19 73 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer or Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" SS Pipe Cap	DuBose National Energy Services	N/A	N/A	G1052484	1995	Replaced	No
3" SS Pipe Cap	DuBose National Energy Services	N/A	N/A	G1052484	1995	Replaced	No
2" SS Pipe Cap	DuBose National Energy Services	N/A	N/A	G1052484	1995	Replaced	No
2" SS Pipe Cap	DuBose National Energy Services	N/A	N/A	G1052484	1995	Replaced	No

7. Description of Work Cut piping & Install Caps on 2" & 3" SS Lines

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-21, 1995
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 5-25-95 to 9-21-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 NBI
Inspector's Signature — National Board, State, Province, and Endorsements

Date 9-21 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/21/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 24300035 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A

Authorization No. N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) Expiration Date N/A

4. Identification of System CCS Component Cooling WATer

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1" U-Bolt	Bergen Paterson	N/A	N/A	G133975	1994	Replaced	No
3/16" Plate CS A-36	Energy Steel & Supply	N/A	N/A	G76497	1993	Replaced	No

7. Description of Work Modified HGR / HB24 - H6.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT

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FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J. H. Foley General Technical Analyst Date 9-21, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 7-20-94 to 9-22-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

L. L. Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-22 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/21/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24412426 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System CVC Chemical & Volume Control

5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/8-16 X 1-1/4 A307 Bolt	Cardinal Industrial	N/A	N/A	G0128669	1994	Replaced	No
3/8 Washer	Unistrut Detroit Services Co.	N/A	N/A	G117722	1994	Replaced	No

7. Description of Work Modified Hanger CC7-H7.10

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☑ VT Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed H. Fouty General Technical Analyst Date 9-21, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 10-17-94 to 9-22-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K S Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-22 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/21/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24302504 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A
4. Identification of System SWS ServiceWATER
5. (a) Applicable Construction Code AISC 19 8th Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer or Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
½" x 34" L Threaded Rod	Bergen Paterson	N/A	N/A	G108310	1994	Replaced	No

7. Description of Work Modified HGR / HB23 - H66
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☑ VT Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed H. Fonty General Technical Analyst Date 9-21, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 9-12-94 to 9-22-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K E Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-22 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/21/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 24204646 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System CCS Component Cooling Water

5. (a) Applicable Construction Code AISC 19 8TH Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/4 x 3/4 U-Bolts	Bergen Paterson	N/A	N/A	G117774	1994	Replaced	No
1/4 x 1 U-Bolts	Bergen Paterson	N/A	N/A	G117774	1994	Replaced	No
3/8 x 1 1/2 U-Bolts	Bergen Paterson	N/A	N/A	G117774	1994	Replaced	No

7. Description of Work Modified HGR/HB24-H8.2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☑ Pressure _____ psi Test Temp. _____ °F

VT

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FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J H Fouty General Technical Analyst Date 9-21, 1995
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 8-3-94 to 9-22-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

L E Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-22 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/21/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24205691 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System CCS

5. (a) Applicable Construction Code ASC 19 8th Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
U-Bolt	Bergen Paterson	N/A	N/A	G133975	1994	Replaced	No
3/16" Plate CS A36	Energy Steel & Supply	N/A	N/A	G76497	1993	Replaced	No

7. Description of Work Modified HGR / HB24 - R11.1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-21, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 8-3-94 to 9-22-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions MI. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-22 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/26/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24413906 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System ESS
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
7/8 - 9 X 5½ STUDS	CARDINAL INDUSTRIAL	N/A	N/A	1009-0673	1989	REPLACED	No
NUTS	CARDINAL INDUSTRIAL	N/A	N/A	G165965	1995	REPLACED	No

7. Description of Work Refurbished Valve CK-ES3239 & Replaced Fasteners
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-27, 1995
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 2-27-95 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions MI 762 N,B,I
Inspector's Signature — National Board, State, Province, and Endorsements

Date 9-28 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/26/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24300497 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System CVC

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer or Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
½" Bolts	Crane Valve	N/A	N/A	G0167569	1995	Replaced	No
½" Nuts	Crane Valve	N/A	N/A	G0167569	1995	Replaced	No

7. Description of Work Refurbished Valve MV-CVC2095 & Replaced Fasteners

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☑ VT Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed [redacted] General Technical Analyst Date 9-27 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 11-21-94 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions MI: 762 · NBI
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/27/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24512502 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A
   Authorization No. N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Expiration Date N/A
4. Identification of System PRIMARY COOLANT SYSTEM
5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Blind Flange	Combustion Engineering	CE No. 561	N/A	2003-8663	1990	Replaced	No

7. Description of Work Replaced CRD-18 Blind Flange with A new Blind Flange
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed J.H. Fahy General Technical Analyst Date 9-27 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 8-3-95 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K.B. Blake Commissions Mi. 7602 N.B.I.

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/26/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24303277 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A; Authorization No. N/A; Expiration Date N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address)
4. Identification of System PCS
5. (a) Applicable Construction Code ASME III 19 65 Edition, W/66 Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1⅝"-8N-2A STUD	VITCO NUCLEAR PRODUCTS	N/A	N/A	2002-7916	1988	REPLACED	No
1⅝" NUT	CARDINAL INDUSTRIAL	N/A	N/A	5029-8674	1994	REPLACED	No

7. Description of Work REPLACED PRESSURIZER MANWAY STUDS & NUTS
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☑ VT Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/26, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 6-30-95 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/26/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 9451187Q (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A; Authorization No. N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Expiration Date N/A
4. Identification of System SWS
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5/8-11 X 4" STUD	CARDINAL INDUSTRIAL	N/A	N/A	5023-2111	1988	REPLACED	No
5/8-11 NUT HEX HVE	CARDINAL INDUSTRIAL	N/A	N/A	G159603	1995	REPLACED	No
4" VALVE	CRANE VALVE	N/A	N/A	G157096	1995	REPLACED	No

7. Description of Work Replaced Valve & Body to Bonnet studs/Nuts MV-SW136
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9/26, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 6-15-95 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/26/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 24410748 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A
   Authorization No. N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Expiration Date N/A
4. Identification of System Engineered Safeguards System
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N-504-1 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CK-ES3181	Chapman	N/A	N/A	E-PAL-94-008	1968	Repaired	No

7. Description of Work Installed weld overlay on CK-ES3181 outlet weld.
8. Tests Conducted: Hydrostatic ☑ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☑ Pressure 123 psi Test Temp. AMBIENT °F
   PT/UT/VT

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repair conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed H. Fonty General Technical Analyst Date 9-26, 1995
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 3-9-94 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K. L. Blake Commissions MI. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 1995

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/26/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 94410749 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A
   Authorization No. N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Expiration Date N/A
4. Identification of System Engineered Safeguards System
5. (a) Applicable Construction Code B31.1 1955 Edition, N/A Addenda, N-504-1 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CK-ES3166	CHAPMAN	N/A	N/A	E-PAL-94-008	1968	REPAIRED	No

7. Description of Work Installed Weld Overlay on CK-ES3166 outlet weld.
8. Tests Conducted: Hydrostatic ☑ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☑ Pressure 122 psi Test Temp. AMBIENT °F
   PT/UT/VT

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst (Owner or Owner's Designee, Title) Date 9-26, 19 95

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 Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 3-9-94, to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] (Inspector's Signature) Commissions MI. 762 N,B,I (National Board, State, Province, and Endorsements)

Date 9-28 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/26/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24415092 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System SWS
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer or Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" 3000# S.W. Coupling	Chicago Tube	N/A	N/A	5029-8368	1991	Replaced	No
2" Sched. 80 Pipe	DuBose	N/A	N/A	5026-9508	1989	Replaced	No
Ball Valve SS-68TSW32P	Grand Rapids Valve & Fitting	N/A	N/A	G160533	1995	Replaced	No

7. Description of Work Replaced Valve MV-SW119.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☑ Pressure _____ psi Test Temp. _____ °F
   VT & PT

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst (Owner or Owner's Designee, Title) Date 9-26 19 95

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 Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 5-5-95 to 9-26-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I

Inspector's Signature — National Board, State, Province, and Endorsements

Date 9-26 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/27/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 24511403 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System Primary Coolant System

5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD-31	Combustion Engineering	2005	N/A	2966-76 Assy 31	1992	Replaced	Yes

7. Description of Work Replaced CRD-31 with A new control Rod drive.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑

Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See Attached N-2 Data Report

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J H Fouty General Technical Analyst Date 9-27, 1995
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 5-17-95 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions Mi. 762 N.B.I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 1995

(12/82)

W.O.# 24511403

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III, Division 1

Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by Combustion Engineering, Inc., ABB Combustion Engineering Nuclear Power, Newington Operations, 2000 Day Hill Rd., Newington, NH 03801
2. Manufactured for Combustion Engineering, Inc., NPS, 1000 Prospect Hill Rd., Windsor, CT 06095-0500
3. Location of installation Consumers Power Co., Palisades Plant, Michigan
4. Type CND-E-4667 Year 19[illegible]97 See Remarks None 1992
5. ASME Code, Section III: 1986 1988 1 None
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
7. Remarks: SA-182-F347 Tensile 75,000
   SA-182-F304 Tensile 75,000
   SA-213-T347 Tensile 75,000
8. Nom. thickness (in.) * Min. design thickness (in.) * Dia. ID (if applicable) (in.) * Length overall (if applicable) (in.) *
9. When applicable, Certificate Holders' data reports are attached for each item of this report

Back

	Part or Appurtenance Serial Number ASSEMBLY NO.	National Board Number or MFG. S/N
(1)	2966-75 Assy 281	2004
(2)	2966-76 Assy 311	2005
(3)	2966-92 Assy 331	2008
(4)	2966-93 Assy 341	2009
(5)	2966-94 Assy 351	2010
(6)	2966-90 Assy 371	2006
(7)	2966-91 Assy 381	2007
(8)		
(9)		
(10)		
(11)		
(12)		
(13)		
(14)		
(15)		
(16)		
(17)		
(18)		
(19)		
(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(25)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
(37)		
(38)		
(39)		
(40)		
(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 2,500 psi Temp. 600 °F Hydro. test pressure 3,125 at temp. 80 °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

NB-2321.1 This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. _____

CERTIFICATE OF DESIGN

Design specifications certified by Responsibility of Others P.E. state _____ Reg. no. _____

Design report* certified by Responsibility of Others P.E. state _____ Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-2041 Expires February 20, 1993

Date 3/9/92 Name Combustion Engineering Signed Harold R Sipp

CERTIFICATE OF SHOP 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 _____ and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this data report on 3-9-92, 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. 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 on 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 3-11-92 Signed _____ Commissions NB 916

MATERIAL	NOM. THICKNESS (IN)	MIN. DESIGN THICKNESS (IN)	DIA. I.D. (FT & IN)	LENGTH OVERA (FT & IN)
* SA-182-F347 Lower Flange	.406"	.391"	2.06"	4.25"
SA-182-F304 Access Tube Flange	.125	.12	2.06"	1/4"
SA-213-T347 Access Tube	.125	.12	1.260"	39.500"
SA-182-F347 Seal Housing	.3135	.301	8.000"	8.59"

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/26/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24302866 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System ESS

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" Check Valve	Anchor Darling	N/A	N/A	G0134159	1994	Replaced	No

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

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT/PT

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J H Fouty General Technical Analyst Date 9-26 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 10-11-94 to 9-26-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K E Blake Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-26 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/26/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 04300895 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A
   Expiration Date N/A
4. Identification of System ESS
5. (a) Applicable Construction Code B31.1 1955 Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
7/8 "UNC-A194-2H NUTS	CARDINAL INDUSTRIAL	N/A	N/A	G165965	1995	REPLACED	NO
7/8 "-9 X 5½ BT STUDS	CARDINAL INDUSTRIAL	N/A	N/A	1009-0693	1989	REPLACED	NO

7. Description of Work Refurbished Valve CK-ES3240 & Replaced Fasteners
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-26, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 2-27-95 to 9-26-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-26 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/26/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 24203975 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System PRIMARY Coolant System

5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD-19	Combustion Engineering	2041	N/A	2966-105 Assy 044	1992	Replaced	Yes

7. Description of Work Replaced CRD-19 with A new control Rod drive

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑

Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See Attached N-2 Data Report

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-27, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 7-26-94 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I

Inspector's Signature — National Board, State, Province, and Endorsements

Date 9-28 19 95

(12/82)

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

W.O. # 24203975

As Required by the Provisions of the ASME Code, Section III, Division 1

Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by Combustion Engineering, Inc., ESSA Combustion Engineering Nuclear Power, Nevington Operations, 1485 Chapel Street, Nevington, NH 03801
(name and address of Certificate Holder)

2. Manufactured for Combustion Engineering, Inc., NPB, 1000 Prospect Hill Rd., Windsor, CT 06095-0500
(name and address of purchaser)

3. Location of installation Consumers Power Co., Palisades Plant, Michigan
(name and address)

4. Type CND-E-4667 Rev. 07 (drawing no.) | See Remarks (name of part) | See Remarks (nominal composition) | None (CAN) | 1992 (year built)

5. ASME Code, Section III: 1986 (edition) | 1988 (addenda) | 1 (Code Case no.) | None

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A

7. Remarks: SA-182-F347 Tensile 75,000

SA-182-F304 Tensile 75,000

SA-213-T347 Tensile 75,000

8. Nom. thickness (in.) * Min. design thickness (in.) * Dia. ID (ft & in.) * Length overall (ft & in.) *

See Back

9. When applicable, Certificate Holders' data reports are attached for each item of this report:

Part or Appurtenance Serial Number ASSEMBLY NO.	MFG. S/N
(1) 2966-85 Assy 020	2030
(2) 2966-86 Assy 025	2031
(3) 2966-87 Assy 027	2032
(4) 2966-88 Assy 029	2033
(5) 2966-89 Assy 030	2034
(6) 2966-96 Assy 032	2035
(7) 2966-97 Assy 036	2036
(8) 2966-98 Assy 040	2037
(9) 2966-94 Assy 041	2038
(10) 2966-100 Assy042	2039
(11) 2966-104 Assy043	2040
(12) 2966-105 Assy044	2041
(13) 2966-106 Assy045	2042
(14) 2966-107 Assy046	2043
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
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(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure 2,500 psi Temp. 600 °F Hydro. test pressure 3,125 at temp. 80°F
(minimum acceptable)

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. 2030 thru 2043

CERTIFICATE OF DESIGN

Design specifications certified by Responsibility of Others P.E. state _____ Reg. no. _____
(when applicable)

Design report* certified by Responsibility of Others P.E. state _____ Reg. no. _____
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-2041 Expires February 20, 1993

Date July 29, 1992 Name Combustion Engineering Signed G.R. Dopp
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP 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 New York and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this data report on 20 JUL 92, 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. 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 20 JUL 92 Signed _____ Commissions NY 3070
(authorized inspector) (state or prov. and no.)

MATERIAL	NOM. THICKNESS(IN)	MIN. DESIGN THICKNESS(IN)	DIA. I.D. (FT & IN)	LENGTH (FT & IN)
*SA-182-F347 Lower Flange	.406"	.391"	2.06"	4.25"
SA-182-F304 Access Tube Flange	.125	.12	2.06"	1/4"
SA-213-T347 Access Tube	.125	.12	1.260"	39.500"
SA-182-F347 Seal Housing	.3135	.301	8.000"	8.59"

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/26/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24203971 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A
4. Identification of System Primary Coolant System
5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD - 14	Combustion Engineering	2040	N/A	2966-104 Assy 043	1992	Replaced	Yes

7. Description of Work Replaced CRD-14 with A New Control Rod Drive.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See Attached N-2 Data Report

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [illegible] General Technical Analyst Date 9-27, 1995

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 7-26-94 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K S Blake Commissions Mi. 762 N.B.I

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 1995

(12/82)

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

W.O.# 24203971

As Required by the Provisions of the ASME Code, Section III, Division 1

Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by Combustion Engineering, Inc., dba Combustion Engineering Nuclear Power, Windsor Operations, 1000 Prospect Hill Road, Windsor, CT 06095 03801
(name and address of Certificate Holder)

2. Manufactured for Combustion Engineering, Inc., NPS, 1000 Prospect Hill Rd., Windsor, CT 06095-0500
(name and address of purchaser)

3. Location of installation Consumers Power Co., Palisades Plant, Michigan
(name and address)

4. Type CND-E-4667 Rev. 07 | See Remarks | See Remarks | None | 1992
(drawing no.) | (shop & field no.) | (nameplate stamping) | (CAN) | (year built)

5. ASME Code, Section III: 1986 | 1988 | 1 | None
(edition) | (addenda) | (class) | (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)

7. Remarks: SA-182-F347 Tensile 75,000

SA-182-F304 Tensile 75,000

SA-213-T347 Tensile 75,000

8. Nom. thickness (in.) * Min. design thickness (in.) * Dia. ID (ft & in.) * Length overall (ft & in.) *

See Back

9. When applicable, Certificate Holders' data reports are attached for each item of this report:

Part or Appurtenance Serial Number ASSEMBLY NO.	~~Material~~ Identification ~~or Heat No.~~ MFG. S/N
(1) 2966-85 Assy 020	2030
(2) 2966-86 Assy 025	2031
(3) 2966-87 Assy 027	2032
(4) 2966-88 Assy 029	2033
(5) 2966-89 Assy 030	2034
(6) 2966-96 Assy 032	2035
(7) 2966-97 Assy 036	2036
(8) 2966-98 Assy 040	2037
(9) 2966-99 Assy 041	2038
(10) 2966-100 Assy042	2039
(11) 2966-104 Assy043	2040
(12) 2966-105 Assy044	2041
(13) 2966-106 Assy045	2042
(14) 2966-107 Assy046	2043
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure 2,500 psi Temp. 600 °F Hydro. test pressure 3,125 at temp. 80°F
(minimum required)

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. 2030 thru 2043

CERTIFICATE OF DESIGN

Design specifications certified by Responsibility of Others (name of engineer) P.E. state _____ Reg. no. _____

Design report* certified by Responsibility of Others (name of engineer) P.E. state _____ Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-2041 Expires February 20, 1993

Date July 29, 1992 Name Combustion Engineering (NPT Certificate Holder) Signed G.R. Dopp (Authorized representative)

CERTIFICATE OF SHOP 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 New York and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this data report on 29 JUL 92, 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. 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 29 JUL 92 Signed [signature] (Authorized Inspector) Commissions NB 3070 (National Board number and state or prov. and no.)

MATERIAL	NOM. THICKNESS(IN)	MIN. DESIGN THICKNESS(IN)	DIA. I.D. (FT & IN)	LENGTH (FT & IN)
*SA-182-F347 Lower Flange	.406"	.391"	2.06"	4.25"
SA-182-F304 Access Tube Flange	.125	.12	2.06"	1/4"
SA-213-T347 Access Tube	.125	.12	1.260"	39.500"
SA-182-F347 Seal Housing	.3135	.301	8.000"	8.59"

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/26/95

27780 Blue Star Mem. Hwy., Coverr, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Coverr, MI (Address) W. O. # 24203969 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A

Authorization No. N/A

27780 Blue Star Mem. Hwy., Coverr, MI (Address) Expiration Date N/A

4. Identification of System PRIMARY Coolant System

5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD-12	Combustion Engineering	2038	N/A	2966-99 Assy 041	1992	Replaced	Yes

7. Description of Work Replaced CRD-12 with A new Control Rod drive.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑

Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See Attached N-2 Data Report

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-27, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 7-20-94 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I

Inspector's Signature — National Board, State, Province, and Endorsements

Date 9-28 19 95

(12/82)

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III, Division 1

Not To Exceed One Day's Production

W.O.# 24203969

Pg. 1 of 1

1. Manufactured and certified by Combustion Engineering, Inc., CEPO Combustion Engineering Nuclear Power, Newington Operations, 1000 Prospect Hill Road, Windsor, CT 06095-0500 03801

2. Manufactured for Combustion Engineering, Inc., NPS, 1000 Prospect Hill Rd., Windsor, CT 06095-0500

3. Location of installation Consumers Power Co., Palisades Plant, Michigan

4. Type CND-E-4667 Rev. 07 | See Remarks | See Remarks | None | 1992

5. ASME Code, Section III: 1986 | 1988 | 1 | None

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A

7. Remarks: SA-182-F347 Tensile 75,000

SA-182-F304 Tensile 75,000

SA-213-T347 Tensile 75,000

8. Nom. thickness (in.) * Min. design thickness (in.) * Dia. (ft & in.) * Length overall (ft & in.) *

See Back

9. When applicable, Certificate Holders' data reports are attached for each item of this report:

	Part or Appurtenance Serial Number ASSEMBLY NO.	MFG. S/N
(1)	2966-85 Assy 020	2030
(2)	2966-86 Assy 025	2031
(3)	2966-87 Assy 027	2032
(4)	2966-88 Assy 029	2033
(5)	2966-89 Assy 030	2034
(6)	2966-96 Assy 032	2035
(7)	2966-97 Assy 036	2036
(8)	2966-98 Assy 040	2037
(9)	2966-99 Assy 041	2038
(10)	2966-100 Assy042	2039
(11)	2966-104 Assy043	2040
(12)	2966-105 Assy044	2041
(13)	2966-106 Assy045	2042
(14)	2966-107 Assy046	2043
(15)		
(16)		
(17)		
(18)		
(19)		
(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
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(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 2,500 psi Temp. 600 °F Hydro. test pressure 3,125 at temp. 80°F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

FP56-1

This form (000408) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. 2030 thru 2043

CERTIFICATE OF DESIGN

Design specifications certified by Responsibility of Others (when applicable) P.E. state _____ Reg. no. _____

Design report* certified by Responsibility of Others (when applicable) P.E. state _____ Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-2041 Expires February 20, 1993

Date July 20, 1992 Name Combustion Engineering (NPT Certificate Holder) Signed G.R. Dopp (Authorized representative)

CERTIFICATE OF SHOP 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 N.Y. York and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this data report on 20 JUL 92, 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. 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 20 JUL 92 Signed [signature] (Authorized Inspector) Commissions NY 5070 (State or Prov. and No.)

MATERIAL	NOM. THICKNESS(IN)	MIN. DESIGN THICKNESS(IN)	DIA. I.D. (FT & IN)	LENG (FT & IN)
*SA-182-F347 Lower Flange	.406"	.391"	2.06"	4.25"
SA-182-F304 Access Tube Flange	.125	.12	2.06"	1/4"
SA-213-T347 Access Tube	.125	.12	1.260"	39.500'
SA-182-F347 Seal Housing	.3135	.301	8.000"	8.59"

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/27/95

   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24511404 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System Primary Coolant System

5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD-24	Combustion Engineering	2031	N/A	2966-86 Assy 025	1992	Replaced	Yes

7. Description of Work Replaced CRD-24 with A New Control Rod Drive

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See Attached N-2 Data Report

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-27, 1995
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 5-17-95 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 1995

(12/82)

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III, Division 1

Not To Exceed One Day's Production

W.O. # 24511404

Pg. 1 of 1

1. Manufactured and certified by Combustion Engineering, Inc., 1000 Prospect Hill Rd., Windsor, CT 06095-0500 (name and address of Certificate Holder) 03801

2. Manufactured for Combustion Engineering, Inc., NPB, 1000 Prospect Hill Rd., Windsor, CT 06095-0500 (name and address of purchaser)

3. Location of installation Consumers Power Co., Palisades Plant, Michigan (name and address)

4. Type CND-E-4667 Rev. 07 (drawing no.) | See Remarks (sheet & code no.) | See Remarks (nominal composition) | None (CAN) | 1992 (year built)

5. ASME Code, Section III: 1986 (edition) | 1988 (addenda) | 1 (code case no.) | None (code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A

7. Remarks: SA-182-F347 Tensile 75,000

SA-182-F304 Tensile 75,000

SA-213-T347 Tensile 75,000

8. Nom. thickness (in.) * Min. design thickness (in.) * Dia. ID (ft & in.) * Length overall (ft & in.) *

See Back

9. When applicable, Certificate Holders' data reports are attached for each item of this report:

	Part or Appurtenance Serial Number ASSEMBLY NO.	MFG. S/N
(1)	2966-85 Assy 020	2030
(2)	2966-86 Assy 025	2031
(3)	2966-87 Assy 027	2032
(4)	2966-88 Assy 029	2033
(5)	2966-89 Assy 030	2034
(6)	2966-96 Assy 032	2035
(7)	2966-97 Assy 036	2036
(8)	2966-98 Assy 040	2037
(9)	2966-94 Assy 041	2038
(10)	2966-100 Assy042	2039
(11)	2966-104 Assy043	2040
(12)	2966-105 Assy044	2041
(13)	2966-106 Assy045	2042
(14)	2966-107 Assy046	2043
(15)		
(16)		
(17)		
(18)		
(19)		
(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
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(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 2,500 psi Temp. 600 °F Hydro. test pressure 3,125 (pressure equivalent) at temp. 80°F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

This form (E00048) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. 2030 thru 2043

CERTIFICATE OF DESIGN

Design specifications certified by Responsibility of Others P.E. state _____ Reg. no. _____

Design report* certified by Responsibility of Others P.E. state _____ Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-2041 Expires February 20, 1993

Date July 29, 1992 Name Combustion Engineering Signed G.R. Dopp

CERTIFICATE OF SHOP 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 New York and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this data report on 20 JUL 92, 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. 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 20 JUL 92 Signed _____ Commissions NY 3070

MATERIAL	NOM. THICKNESS(IN)	MIN. DESIGN THICKNESS(IN)	DIA. I.D. (FT & IN)	LENGTH (FT & IN)
*SA-182-F347 Lower Flange	.406"	.391"	2.06"	4.25"
SA-182-F304 Access Tube Flange	.125	.12	2.06"	1/4"
SA-213-T347 Access Tube	.125	.12	1.260"	39.500"
SA-182-F347 Seal Housing	.3135	.301	8.000"	8.59"

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/26/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 94104563 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System Primary Coolant System

5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD-43	Combustion Engineering	2039	N/A	2966-100 Assy 042	1992	Replaced	Yes

7. Description of Work Replaced CRD-43 with a new control rod drive.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See Attached N-2 Data Report

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-27 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 7-20-94 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 19 95

(12/82)

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

W.O.#24104563

As Required by the Provisions of the ASME Code, Section III, Division 1

Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by Combustion Engineering, Inc., 1000 Prospect Hill Rd., Windsor, CT 06095-0500 (name and address of Certificate Holder)

2. Manufactured for Combustion Engineering, Inc., NPS, 1000 Prospect Hill Rd., Windsor, CT 06095-0500 (name and address of purchaser)

3. Location of installation Consumers Power Co., Palisades Plant, Michigan (name and address)

4. Type CND-E-4667 Rev. 07 (drawing no.) | See Remarks (name of part) | See Remarks (nominal composition) | None (CAN) | 1992 (year built)

5. ASME Code, Section III: 1986 (edition) | 1988 (addenda) | 1 (code case no.) | None (code case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: SA-182-F347 Tensile 75,000

SA-182-F304 Tensile 75,000

SA-213-T347 Tensile 75,000

8. Nom. thickness (in.) * Min. design thickness (in.) * Dia. ID (ft & in.) * Length overall (ft & in.) *

See Back

9. When applicable, Certificate Holders' data reports are attached for each item of this report:

Part or Appurtenance Serial Number ASSEMBLY NO.	MFG. S/N	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) 2966-85 Assy 020	2030	(26)	
(2) 2966-86 Assy 025	2031	(27)	
(3) 2966-87 Assy 027	2032	(28)	
(4) 2966-88 Assy 029	2033	(29)	
(5) 2966-89 Assy 030	2034	(30)	
(6) 2966-96 Assy 032	2035	(31)	
(7) 2966-97 Assy 036	2036	(32)	
(8) 2966-98 Assy 040	2037	(33)	
(9) 2966-99 Assy 041	2038	(34)	
(10) 2966-100 Assy042	2039	(35)	
(11) 2966-104 Assy043	2040	(36)	
(12) 2966-105 Assy044	2041	(37)	
(13) 2966-106 Assy045	2042	(38)	
(14) 2966-107 Assy046	2043	(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 2,500 psi Temp. 600 °F Hydro. test pressure 3,125 (pressure) at temp. 80°F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

856-1

This form (000408) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. 2030 thru 2043

CERTIFICATE OF DESIGN

Design specifications certified by Responsibility of Others (name of engineer) P.E. state _____ Reg. no. _____

Design report* certified by Responsibility of Others (name of engineer) P.E. state _____ Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-2041 Expires February 20, 1993

Date July 29, 1992 Name Combustion Engineering (NPT Certificate Holder) Signed G.R. Dopp (authorized representative)

CERTIFICATE OF SHOP 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 New York and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this data report on 29 JUL 92, 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. 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 29 JUL 92 Signed _____ (authorized inspector) Commissions NY 3070 (state or prov. and no.)

MATERIAL	NOM. THICKNESS(IN)	MIN. DESIGN THICKNESS(IN)	DIA. I.D. (FT & IN)	LENGTH (FT & IN)
*SA-182-F347 Lower Flange	.406"	.391"	2.06"	4.25"
SA-182-F304 Access Tube Flange	.125	.12	2.06"	1/
SA-213-T347 Access Tube	.125	.12	1.260"	39
SA-182-F347 Seal Housing	.3135	.301	8.000"	8.59"

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/26/95
   27780 Blue Star Mem. Hwy., Coverr, MI (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 24203989 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A
   Authorization No. N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Expiration Date N/A
4. Identification of System Primary Coolant System
5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD-37	Combustion Engineering	2042	N/A	2966-106 Assy 045	1992	Replaced	Yes

7. Description of Work Replaced CRD-37 with A new Control Rod drive.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See Attached N-2 Data Report

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-27 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 7-20-94 thru 9-28-95 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K E Blake Commissions Mi. 762 N.B.I.

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 19 95

(12/82)

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

W.O.# 24203989

As Required by the Provisions of the ASME Code, Section III, Division 1

Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by Combustion Engineering, Inc., NPB Combustion Engineering Nuclear Power, Newington Operations, 155 Gill Street, Bldg. 2, Newington, NH 03801

2. Manufactured for Combustion Engineering, Inc., NPB, 1000 Prospect Hill Rd., Windsor, CT 06095-0500

3. Location of installation Consumers Power Co., Palisades Plant, Michigan

4. Type CND-E-4667 Rev. 07 | See Remarks | See Remarks | None | 1992

5. ASME Code, Section III: 1986 | 1988 | 1 | None

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A

7. Remarks: SA-182-F347 Tensile 75,000

SA-182-F304 Tensile 75,000

SA-213-T347 Tensile 75,000

8. Nom. thickness (in.) * Min. design thickness (in.) * Dia. ID (ft & in.) * Length overall (ft & in.) *

See Back

9. When applicable, Certificate Holders' data reports are attached for each item of this report:

	Part or Appurtenance Serial Number ASSEMBLY NO.	MFG. S/N
(1)	2966-85 Assy 020	2030
(2)	2966-86 Assy 025	2031
(3)	2966-87 Assy 027	2032
(4)	2966-88 Assy 029	2033
(5)	2966-89 Assy 030	2034
(6)	2966-96 Assy 032	2035
(7)	2966-97 Assy 036	2036
(8)	2966-98 Assy 040	2037
(9)	2966-99 Assy 041	2038
(10)	2966-100 Assy042	2039
(11)	2966-104 Assy043	2040
(12)	2966-105 Assy044	2041
(13)	2966-106 Assy045	2042
(14)	2966-107 Assy046	2043
(15)		
(16)		
(17)		
(18)		
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(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
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(47)		
(48)		
(49)		
(50)		

10. Design pressure 2,500 psi Temp. 600 °F Hydro. test pressure 3,125 at temp. 80°F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. 2030 thru 2043

CERTIFICATE OF DESIGN

Design specifications certified by Responsibility of Others P.E. state _____ Reg. no. _____
(when applicable)

Design report* certified by Responsibility of Others P.E. state _____ Reg. no. _____
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-2041 Expires February 20, 1993

Date July 29, 1992 Name Combustion Engineering Signed G.R. Dipp
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP 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 New York and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this data report on 20 JUL 92, 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. 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 20 JUL 92 Signed _____ Commissions NY 5270
(authorized inspector) (state or prov. and no.)

MATERIAL	NOM. THICKNESS(IN)	MIN. DESIGN THICKNESS(IN)	DIA. I.D. (FT & IN)	LENGTH (FT & IN)
*SA-182-F347 Lower Flange	.406"	.391"	2.06"	4.25"
SA-182-F304 Access Tube Flange	.125	.12	2.06"	1/4"
SA-213-T347 Access Tube	.125	.12	1.260"	39.500"
SA-182-F347 Seal Housing	.3135	.301	8.000"	8.59"

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/27/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 04203964 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System Primary Coolant System

5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD-45	Combustion Engineering	2008	N/A	2966-92 Assy 33	1992	Replaced	Yes

7. Description of Work Replaced CRD-45 with A New Control Rod drive

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑

Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See Attached N-2 Data Report.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed ~~H. Fouty~~ General Technical Analyst Date 9-27, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 7-20-94 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions Mi. 762 N,B,I

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 19 95

(12/82)

W.O.# 24203964

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III, Division 1

Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by Combustion Engineering, Inc., ABB Combustion Engineering Nuclear Power, Newington Operations, 1000 Prospect Hill Rd., Newington, NH 03801

2. Manufactured for Combustion Engineering, Inc., NPB, 1000 Prospect Hill Rd., Windsor, CT 06095-0500

3. Location of installation Consumers Power Co., Palisades Plant, Michigan

4. Type CND-E-4667 2-91-07 See Remarks None 1992

5. ASME Code, Section III: 1986 1988 1 None

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A

7. Remarks: SA-182-F347 Tensile 75,000

SA-182-F304 Tensile 75,000

SA-213-T347 Tensile 75,000

8. Nom. thickness (in.) * Min. design thickness (in.) * Dia. ID (ft & in.) * Length overall (ft & in.) *

9. When applicable, Certificate Holders' data reports are attached for each item of this report

Back

Part or Appurtenance Serial Number ASSEMBLY NO.	National Board Number in Numerical Order MFG. S/N
(1) 2966-75 Assy 281	2004
(2) 2966-76 Assy 311	2005
(3) 2966-92 Assy 331	2008
(4) 2966-93 Assy 341	2009
(5) 2966-94 Assy 351	2010
(6) 2966-90 Assy 371	2006
(7) 2966-91 Assy 381	2007
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
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(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure 2,500 psi Temp. 600 °F Hydro. test pressure 3,125 at temp. 80 °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

(08/84) 1 This form (000408) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. _____

CERTIFICATE OF DESIGN

Design specifications certified by Responsibility of Others P.E. state _____ Reg. no. _____

Design report* certified by Responsibility of Others P.E. state _____ Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-2041 Expires February 20, 1993

Date 3/9/92 Name Combustion Engineering Signed Harold R Sipos

CERTIFICATE OF SHOP 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 _____ and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this data report on 3-9-92, 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. 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 3-11-92 Signed _____ Commissions NB 916

MATERIAL	NOM. THICKNESS (IN)	MIN. DESIGN THICKNESS (IN)	DIA. I.D. (FT & IN)	LENGTH OVERA (FT & IN)
* SA-182-F347 Lower Flange	.406"	.391"	2.06"	4.25"
SA-182-F304 Access Tube Flange	.125	.12	2.06"	1/4"
SA-213-T347 Access Tube	.125	.12	1.260"	39.500"
SA-182-F347 Seal Housing	.3135	.301	8.000"	8.59"

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/26/95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 94203963 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A
4. Identification of System Primary Coolant System
5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD-3	Combustion Engineering	2043	N/A	2966-107 Assy 046	1992	Replaced	Yes

7. Description of Work: Replaced CRD-3 with A new Control Rod drive
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See Attached N-2 Data Report

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 9-27 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 7-20-94 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 19 95

(12/82)

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

W.O.# 24203963

As Required by the Provisions of the ASME Code, Section III, Division 1

Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by Combustion Engineering, Inc., 1329 Combustion Engineering Avenue, Power Newington Operations, 155 Gold Water Road Somersworth, NH 03801
(name and address of Certificate Holder)

2. Manufactured for Combustion Engineering, Inc., NPB, 1000 Prospect Hill Rd., Windsor, CT 06095-0500
(name and address of purchaser)

3. Location of installation Consumers Power Co., Palisades Plant, Michigan
(name and address)

4. Type CND-E-4667 Rev. 07 | See Remarks (shop & field mfg.) | See Remarks (nominal composition) | None (CAN) | 1992 (year built)

5. ASME Code, Section III: 1986 (edition) | 1988 (addenda) | 1 (Code Case no.) | None

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A

7. Remarks: SA-182-F347 Tensile 75,000

SA-182-F304 Tensile 75,000

SA-213-T347 Tensile 75,000

8. Nom. thickness (in.) * Min. design thickness (in.) * Dia. ID (ft & in.) * Length overall (ft & in.) *

See Back 9. When applicable, Certificate Holders' data reports are attached for each item of this report:

	Part or Appurtenance Serial Number ASSEMBLY NO.	~~MANUFACTURER~~ MFG. S/N
(1)	2966-85 Assy 020	2030
(2)	2966-86 Assy 025	2031
(3)	2966-87 Assy 027	2032
(4)	2966-88 Assy 029	2033
(5)	2966-89 Assy 030	2034
(6)	2966-96 Assy 032	2035
(7)	2966-97 Assy 036	2036
(8)	2966-98 Assy 040	2037
(9)	2966-94 Assy 041	2038
(10)	2966-100 Assy042	2039
(11)	2966-104 Assy043	2040
(12)	2966-105 Assy044	2041
(13)	2966-106 Assy045	2042
(14)	2966-107 Assy046	2043
(15)		
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(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
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(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 2,500 psi Temp. 600 °F Hydro. test pressure 3,125 (minimum) at temp. 80°F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

This form (00004N) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. 2030 thru 2043

CERTIFICATE OF DESIGN

Design specifications certified by Responsibility of Others (name of design engineer) P.E. state _____ Reg. no. _____

Design report* certified by Responsibility of Others (name of design engineer) P.E. state _____ Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-2041 Expires February 20, 1993

Date July 29, 1992 Name Combustion Engineering (NPT Certificate Holder) Signed G.R. Dopp (Authorized representative)

CERTIFICATE OF SHOP 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 NEW YORK and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this data report on 29 JUL 92, 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. 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 29 JUL 92 Signed _____ (Authorized Inspector) Commissions NY 3070 (State or Prov. and endorsements) (Nat'l Bd. no.)

MATERIAL	NOM. THICKNESS(IN)	MIN. DESIGN THICKNESS(IN)	DIA. I.D. (FT & IN)	LENG (FT & IN)
*SA-182-F347 Lower Flange	.406"	.391"	2.06"	4.25"
SA-182-F304 Access Tube Flange	.125	.12	2.06"	1/4"
SA-213-T347 Access Tube	.125	.12	1.260"	39.500
SA-182-F347 Seal Housing	.3135	.301	8.000"	8.5

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/25/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24204648 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System CCS

5. (a) Applicable Construction Code AISC 19 84 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/16" Plate CS A-36	Energy Steel & Supply	N/A	N/A	G76497	1993	Replaced	No
1/4 x 3/4 u-Bolt	Bergen Paterson	N/A	N/A	G117774	1994	Replaced	No
1/4 x 1" u-Bolt	Bergen Paterson	N/A	N/A	G117774	1994	Replaced	No
3/8 x 1 1/2" u-Bolt	Bergen Paterson	N/A	N/A	G117774	1994	Replaced	No
1 1/2" u-Bolt	Bergen Paterson	N/A	N/A	G108310	1994	Replaced	No

7. Description of Work Modified HGR/HB24-H8.9

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed J H Jordy General Technical Analyst Date 9-25, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 7-15-94 to 9-26-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K F Blake Commissions MI. 762 N.B.I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-26 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/25/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24201948 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System SMW

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer or Supplier	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1¼" A-105 3000# Threaded Plug	Bertsch Co.	N/A	N/A	P.O. No DY94-025	1993	Replaced	No

7. Description of Work Replaced w/E STRAINER Plug on YS-2023.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☑ VT Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed J H Fouty General Technical Analyst Date 9/25, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 8-3-94 to 9-26-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions Mi. 762 NBIC

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-26 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/25/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24412458 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System ESS

5. (a) Applicable Construction Code AISC 19 84 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer or Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Bolt Assy	Berger Paterson	N/A	N/A	G157088	1994	Replaced	No

7. Description of Work Modified HGR/DC1-H783

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [illegible] General Technical Analyst Date 9-25, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 1-27-95 to 9-26-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[illegible] Blake
Inspector's Signature

Commissions Mi. 762 N,B,I
National Board, State, Province, and Endorsements

Date 9-26 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/28/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24411065 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System MSS

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1 3/8" STUDS	CARDINAL INDUSTRIAL	N/A	N/A	2004-7806	1990	REPLACED	No
1 3/8" NUTS	CARDINAL INDUSTRIAL	N/A	N/A	2004-7805	1990	REPLACED	No

7. Description of Work REPLACED STUDS AND NUTS ON RV-0708

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J.H. Fouty General Technical Analyst Date 9-28, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 2-27-95 to 9-28-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K.G. Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 9-28 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 9/28/95

27780 Blue Star Mem. Hwy., Coverr, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24302535 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System ESS

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" SA453 8UNC NUTS	DUBOSE	N/A	N/A	G153468	1995	REPLACED	No
2" A-564 GR630 STUDS	NOVA MACHINE	N/A	N/A	2004-5283	1990	REPLACED	No

7. Description of Work Replaced studs & Nuts on RO-3080

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement.

Type Code Symbol Stamp N/A

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

Signed H Fouty General Technical Analyst Date 10-3 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 1-27-95 to 10-9-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-9 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 10/04/95
   27780 Blue Star Mem. Hwy., Coverr, MI (Address) — Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) — Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 02441385Q (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A; Authorization No. N/A; Expiration Date N/A
   27780 Blue Star Mem. Hwy., Coverr, MI (Address)
4. Identification of System ESS
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5/8" STUDS	CARDINAL INDUSTRIAL	N/A	N/A	2003-6914	1989	REPLACED	NO
5/8" NUTS	CARDINAL INDUSTRIAL	N/A	N/A	G142192	1994	REPLACED	NO
9/16" STUDS	CARDINAL INDUSTRIAL	N/A	N/A	G142192	1994	REPLACED	NO
9/16" NUTS	CARDINAL INDUSTRIAL	N/A	N/A	G142192	1994	REPLACED	NO

7. Description of Work REPLACED STUDS AND NUTS ON CV-3042
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J H Jarvis General Technical Analyst Date 10-4 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 1-27-95 to 10-9-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K E Blake Commissions Mi. 762 N, B, I
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-9 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 10-5-95
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1
2. Plant Palisades Nuclear Plant (Name) Unit 1
   27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 24203977 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A
   27780 Blue Star Mem. Hwy., Covert, MI (Address) Authorization No. N/A
   Expiration Date N/A
4. Identification of System Primary Coolant System
5. (a) Applicable Construction Code Section III 1986 Edition, 1988 Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S 83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD-21	Combustion Engineering	2023	N/A	2966-84 Assy 21	1992	Replaced	Yes

7. Description of Work Replaced CRD-21 with a new Control Rod Drive.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See ATTACHED N-2 DATA REPORT.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 10/9, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 7-26-94 to 10-9-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I.
Inspector's Signature — National Board, State, Province, and Endorsements

Date 10-9 19 95

(12/82)

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR CENTRICAL
NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Division 1
Not To Exceed One Day's Production

Pg. — of 1

1. Manufactured and certified by Combustion Engineering, Inc., NSB Combustion Engineering Nuclear Power, Newington Ope[illegible] Newington, NH 03801
2. Manufactured for Combustion Engineering, Inc., NPB, 1000 Prospect Hill Rd., Windsor, CT 06095-0500
3. Location of installation Consumers Power Co., Palisades Plant, Michigan
4. Type CND-E-4667 Rev. 07 | See Remarks | | None | [illegible]
5. ASME Code, Section III: 1986 | 1988 | 1 | None
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
7. Remarks: SA-182-F347 Tensile 75,000
SA-182-F304 Tensile 75,000
SA-213-T347 Tensile 75,000
8. Nom. thickness (in.) * Min. design thickness (in.) * Dia. ID (ft & in.) * Length overall (ft & in.) *
9. When applicable, Certificate Holders' data reports are attached for each item of this report

See Back

Part or Appurtenance Serial Number Assembly No.	~~Code~~ ~~Stamped~~ Mfg. S/N	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) 2966-77 Assy 17	2019	(26)	
(2) 2966-78 Assy 18	2020	(27)	
(3) 2966-79 Assy 19	2021	(28)	
(4) 2966-82 Assy 23	2022	(29)	
(5) 2966-84 Assy 26	2023 ←	(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(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 2,500 psi Temp. 600 °F Hydro. test pressure 3,125 at temp. 80 °F

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

16/854-1

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. _____

CERTIFICATE OF DESIGN

Design specifications certified by Responsibility of Others P.E. state _____ Reg. no. _____

Design report* certified by Responsibility of Others P.E. state _____ Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-2041 Expires February 20, 1993

Date 2/26/92 Name Combustion Engineering Signed _____

CERTIFICATE OF SHOP 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 _____ and employed by H.S.B.I. & I. Co. of Harrford, CT have inspected these items described in this data report on 2/26/92, 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. 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 2/26/92 Signed _____ Commissions NH202 NBCSE

MATERIAL	NOM. THICKNESS (IN)	MIN. DESIGN THICKNESS (IN)	DIA. I.D. (FT & IN)	LENGTH OVERALL (FT & IN)
* SA-182-F347 Lower Flange	.406"	.391"	2.06"	4.25"
SA-182-F304 Access Tube Flange	.125	.12	2.06"	1/4"
SA-213-T347 Access Tube	.125	.12	1.260"	39.500"
SA-182-F347 Seal Housing	.3135	.301	8.000"	8.59"

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 10-5-95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24203988 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System Primary Coolant System

5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD-30	Combustion Engineering	2022	N/A	2966-82 Assy 30	1992	Replaced	Yes

7. Description of Work Replaced CRD-30 with a new Control Rod Drive.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See Attached N-2 DATA Report.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J H Landy General Technical Analyst Date 10/9, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 7-26-94 to 10-9-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions M.I. 762 N.B.I
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-9 19 95

(12/82)

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Division 1
Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by Combustion Engineering, Inc., NPB Combustion Engineering Nuclear Power, Newington Operations, 1000 Prospect Hill Rd., Newington, NH 03801
2. Manufactured for Combustion Engineering, Inc., NPB, 1000 Prospect Hill Rd., Windsor, CT 06095-0500
3. Location of installation Consumers Power Co., Palisades Plant, Michigan
4. Type CND-E-4667 Rev. 07 | See Remarks | None (CAN) | 1992
5. ASME Code, Section III: 1986 | 1988 | 1 | None
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
7. Remarks: SA-182-F347 Tensile 75,000
SA-182-F304 Tensile 75,000
SA-213-T347 Tensile 75,000

See Back

8. Nom. thickness (in.) * Min. design thickness (in.) * Dia. (O (ft & in.) * Length overall (ft & in.) *
9. When applicable, Certificate Holders' data reports are attached for each item of this report:

	Part or Appurtenance Serial Number Assembly No.	Mfg. S/N
(1)	2966-77 Assy 17	2019
(2)	2966-78 Assy 18	2020
(3)	2966-79 Assy 19	2021
(4)	2966-82 Assy 23	2022
(5)	2966-84 Assy 26	2023
(6)		
(7)		
(8)		
(9)		
(10)		
(11)		
(12)		
(13)		
(14)		
(15)		
(16)		
(17)		
(18)		
(19)		
(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
(37)		
(38)		
(39)		
(40)		
(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 2,500 psi Temp. 600 °F Hydro. test pressure 3,125 at temp. 80 °F

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. _____

CERTIFICATE OF DESIGN

Design specifications certified by Responsibility of Others P.E. state _____ Reg. no. _____

Design report* certified by Responsibility of Others P.E. state _____ Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conform to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-2041 Expires February 20, 1993

Date 2/26/92 Name Combustion Engineering Signed G R [illegible]

CERTIFICATE OF SHOP 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 _____ and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this data report on 2/26/92, 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. 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 2/26/92 Signed [signature] Commissions NH202 NBCSE

MATERIAL	NOM. THICKNESS(IN)	MIN. DESIGN THICKNESS (IN)	DIA. I.D. (FT & IN)	LENGTH OVERALL (FT & IN)
* SA-182-F347 Lower Flange	.406"	.391"	2.06"	4.25"
SA-182-F304 Access Tube Flange	.125	.12	2.06"	1/4"
SA-213-T347 Access Tube	.125	.12	1.260"	39.500"
SA-182-F347 Seal Housing	.3135	.301	8.000"	8.59"

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 10/02/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24361864 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System CVC

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, ~~N/A~~ N-416-1 Code Case (Rev) 11/9/95 11-9-95

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
12" VALVE	KEROTEST	N/A	N/A	DY87-023	1987	REPLACED	No

7. Description of Work Replaced Valve CK-CVC 2099 Per FES-95-069

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT/PT

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed J H Fouty General Technical Analyst Date 10-3 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 5-5-95 to 10-11-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions Mi. 762 N.B.I.
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-11 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 10/2/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 04411932 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System CVC

5. (a) Applicable Construction Code B31.1 1973 Edition, Summer 1973 Addenda, N-416-1 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" Valve	Anchor Darling	N/A	N/A	G152561	1995	Replaced	No
2" Pipe	Harry W. Taylor Co.	N/A	N/A	75547	1976	Replaced	No

7. Description of Work Replaced MV-CVC 2094 Per SC-93-093

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑

Other ☑ Pressure _____ psi Test Temp. _____ °F

VT/PT

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp N/A

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

Signed J H Fouty General Technical Analyst Date 10-3, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 5-2-95 to 10-11-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions Mi. 762 N.B.I.

Inspector's Signature National Board, State, Province, and Endorsements

Date 10-11 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 10/2/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 02411930 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System CVC

5. (a) Applicable Construction Code B31.1 19 73 Edition, Summer 1973 Addenda, N-416-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
½" Valve	Anchor Darling	N/A	N/A	G1525601	1995	Replaced	No
½" SS Pipe	Bechtel Corp.	N/A	N/A	LP07-2378	1982	Replaced	No
Coupling	Hub Inc.	N/A	N/A	28365	1992	Replaced	No

7. Description of Work Replaced MV-CVC2106 PER SC-93-093

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT/PT

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 8 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-2 (Back)

9 Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [illegible] General Technical Analyst Date 10-3 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 5-2-95 to 10-11-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K L Blake Commissions Mi. Fed N, B, I
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-11 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 10/02/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # 24411931 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System CVC

5. (a) Applicable Construction Code B31.1 19 73 Edition, Summer 1973 Addenda, N-416-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR SUPPLIER	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1½" Valve	Anchor Darling	N/A	N/A	G152561	1995	Replaced	No
½" TP304 Pipe	Bechtel Corp	N/A	N/A	LP07-2378	1982	Replaced	No
½" SS Pipe	Chicago Tube and Iron	N/A	N/A	1003-8931	1982	Replaced	No

7. Description of Work Replaced Valve MV-CVC0100 Per SC-93-093

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT/PT

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [illegible] General Technical Analyst Date 10-3, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 5-2-95 to 10-11-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K E Blake Commissions Mi. 762 N,B,I
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-11 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 10-6-95

27780 Blue Star Mem. Hwy., Coverr, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 24512662 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System Chemical & Volume Control

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N-416-1 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3" Elbow	N/A	N/A	N/A	HC-7-3"	1971	Repaired	No

7. Description of Work Repaired leak in 3" elbow.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑

Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks None.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this repair (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J.H. Jarvis General Technical Analyst (Owner or Owner's Designee, Title) Date 10/6, 19 95

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 Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 8-13-95 to 10-11-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K.J. Blake Commissions Mi. 762 N,B,I

Inspector's Signature — National Board, State, Province, and Endorsements

Date 10-11 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) Date 9/27/95

   27780 Blue Star Mem. Hwy., Covert, MI (Address) Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) Unit 1

   27780 Blue Star Mem. Hwy., Covert, MI (Address) W. O. # 24203965 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) Type Code Symbol Stamp N/A

   Authorization No. N/A

   27780 Blue Star Mem. Hwy., Covert, MI (Address) Expiration Date N/A

4. Identification of System Primary Coolant System

5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case

   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD-4	Combustion Engineering	1930	N/A	2966-60 Assy 9	1990	Replaced	Yes

7. Description of Work Replaced CRD-4 with A new Control Rod drive.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑

   Other ☐ Pressure _____ psi Test Temp. _____ °F

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-2 (Back)

9. Remarks See Attached N-2 Data Report.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 10-13, 19 95

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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 5-22-95 to 10-13-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions MI. 762 N.B.I.

Inspector's Signature National Board, State, Province, and Endorsements

Date 10-13 1995

(12/82)

C626 1202

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III, Division 1

Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by Combustion Engineering, Inc., N.P.B., Newington Operations (name and address of Certificate Holder) 55 Old Dover Road Newington, NH 03801
2. Manufactured for Combustion Engineering, Inc., N.P.B., 1000 Prospect Hill Road, Windsor, CT 06095-0500 (name and address of purchaser)
3. Location of installation Consumers Power Co., Palisades Plant, Michigan (name and address)
4. Type CND-E-4667, Rev. 05 (drawing no.) See Remarks (mat'l spec. no.) (grade or strength) None (CRN) 1990 (year built)
5. ASME Code, Section III: 1986 (edition) 1988 (addenda) 1 (class) None (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A
7. Remarks: SA-182-F347 Tensile 75,000
   SA-182-F304 Tensile 75,000
   SA-213-T347 Tensile 75,000

See Back

8. Nom. thickness (in.) * Min. design thickness (in.) * Dia. ID (ft & in.) * Length overall (ft & in.) *
9. When applicable, Certificate Holders' data reports are attached for each item of this report:

	Part or Appurtenance Serial Number Assembly No.	[illegible] Mfg. S.N.
(1)	2966-60 Assy 6	1928
(2)	2966-61 Assy 8	1929
(3)	2966-62 Assy 9	1930
(4)	2966-63 Assy 10	1931
(5)	2966-64 Assy 14	1932
(6)	2966-65 Assy 16	1933
(7)		
(8)		
(9)		
(10)		
(11)		
(12)		
(13)		
(14)		
(15)		
(16)		
(17)		
(18)		
(19)		
(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
(37)		
(38)		
(39)		
(40)		
(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 2,500 psi Temp. 600 °F 11. Hydro. test pressure 3,125 psi at temp. 80 °F MIN.

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ in. × 11 in., (2) information is in items 1 and 3 on this data report, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(8/89) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

09/27/1995 [1202

FORM N-2 (back)

Mfr. Serial No. _____

CERTIFICATE OF DESIGN

Design specifications certified by Responsibility of Others P.E. state _____ Reg. no. _____
(when applicable)

Design report* certified by Responsibility of Others P.E. state _____ Reg. no. _____
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization no. N-2041 Expires February 20, 1993

Date 9-4-90 Name Combustion Engineering Signed Gerald R. Dopp
(NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF SHOP 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 N.H. and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this data report on 9/5/90, 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. 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 9/5/90 Signed [signature] Commissions N.H. 350
(Authorized Inspector) (State or prov. and no.)

MATERIAL	NOM. THICKNESS (IN)	MIN. DESIGN THICKNESS (IN)	DIA. I.D. (FT & IN)	LENGTH OVERALL (FT & IN)
* SA-182-F347 Lower Flange	.406"	.391"	2.06"	4.25"
SA-182-F304 Access Tube Flange	.125"	.12"	2.06"	1/4"
SA-213-T347 Access Tube	.125"	.12"	1.260"	39.500"
SA-182-F347 Seal Housing	.3135"	.301"	8.000"	8.59"

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 10/23/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24511279 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System SERVICE WATER

5. (a) Applicable Construction Code AISC B31.1 19 89 8th Edition, N/A Addenda, ~~N/A~~ N-416-1 Code Case (#47) 10/24/95

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 (#48) 10-24-95

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
16" VALVE CV-0823	ENERTECH	10315	N/A	G124518	1994	REPLACED	No
16" VALVE CV-0824	ENERTECH	10309	N/A	G124518	1994	REPLACED	No
16" VALVE CV-0826	ENERTECH	10316	N/A	G124518	1994	REPLACED	No
4" Sch. 40 C.S. PIPE	TIOGA	N/A	N/A	G157427	1995	REPLACED	No
16" X .375 C.S. PIPE	CONSOLIDATED POWER	N/A	N/A	G153511	1995	REPLACED	No

7. Description of Work VALVE & PIPE REPLACEMENT PER FC-959

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT/MT/RT

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-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J.H. Jordy General Technical Analyst Date 10/24, 1995
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 5-16-95 to 10-24-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

L.G. Blake Commissions Mi. 762 N.B.I
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-24 1995

(12/82)

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification PO No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
16" 90° Elbow .375 WALL	CONSOLIDATED POWER	N/A	N/A	G153513	1995	Replaced	No
16" 150# RFWN FLANGE	CONSOLIDATED POWER	N/A	N/A	G153513	1995	Replaced	No
16" 150# RFSO FLANGE	CONSOLIDATED POWER	N/A	N/A	G153513	1995	Replaced	No
Bolts	ENERTECH	N/A	N/A	G124518	1994	Replaced	No
Nuts	ENERTECH	N/A	N/A	G124518	1994	Replaced	No
5/8 X 6" HILTI	HILTI	N/A	N/A	1010-2455	1990	Replaced	No
3/8 X 3" HILTI	HILTI	N/A	N/A	G155247	1995	Replaced	No
3/4 X 7 HILTI	HILTI	N/A	N/A	G149104	1995	Replaced	No
3/4 X 8 HILTI	HILTI	N/A	N/A	1010-2455	1990	Replaced	No

W.O. No. 24511279

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 10/23/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 1

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — T&B W.O. 24510557 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Townsend & Bottum FOC, Inc. (Name) — Type Code Symbol Stamp N/A

Ann Arbor, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System FWS

5. (a) Applicable Construction Code B31.1 19 89 Edition, N/A Addenda, ~~N/A~~ N-416-1 Code Case (10-24-95)
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer OR Supplier	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
4" STRAIGHT TEE	CONSOLIDATED POWER	N/A	N/A	G157448	1995	REPLACED	NO
4" 150# RFWN FLANGE	CONSOLIDATED POWER	N/A	N/A	G153515	1995	REPLACED	NO
BOLTS	NOVA MACHINE	N/A	N/A	G157395	1995	REPLACED	NO
NUTS	NOVA MACHINE	N/A	N/A	G157395	1995	REPLACED	NO

7. Description of Work INSTALLED TEE AND FLANGE PER FC-959

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT/PT/RT

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-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed J H Fouty General Technical Analyst Date 10/24, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA have inspected the components described in this Owner's Report during the period 5-16-95 to 10-24-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

K T Blake Commissions Mi. 762 N.B.I
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-24 19 95

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Consumers Power Company (Name) — Date 10/23/95

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Sheet 1 of 2

2. Plant Palisades Nuclear Plant (Name) — Unit 1

27780 Blue Star Mem. Hwy., Covert, MI (Address) — W. O. # FC-951 * (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Consumers Power Company (Name) — Type Code Symbol Stamp N/A

27780 Blue Star Mem. Hwy., Covert, MI (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System SWS

5. (a) Applicable Construction Code Section III 19 89 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Horizontal Heat Exchanger	Aerofin Corp	941009	577	G109437	1994	Replaced	Yes
Horizontal Heat Exchanger	Aerofin Corp	941010	578	G109437	1994	Replaced	Yes
Horizontal Heat Exchanger	Aerofin Corp	941011	579	G109437	1994	Replaced	Yes
Horizontal Heat Exchanger	Aerofin Corp	941012	580	G109437	1994	Replaced	Yes
Horizontal Heat Exchanger	Aerofin Corp	941013	581	G109437	1994	Replaced	Yes

7. Description of Work Replacement of VHX-1, VHX-2 and VHX-3 including Associated Piping and Hangers

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☑ Pressure _____ psi Test Temp. _____ °F
VT/RT

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.

* The following work orders were used: 24510425, 24414671, 24511779, 24510424, 24414672, 24511780, 24414673, 24511842 and 24510399

FORM NIS-2 (Back)

9 Remarks See Attached

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [signature] General Technical Analyst Date 11-20, 19 95
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 Michigan and employed by Protection Mutual of Norwood, MA. have inspected the components described in this Owner's Report during the period 2-20-95 to 11-20-95, 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.

FACTORY MUTUAL ENGINEERING ASSO.

[signature] Commissions Mi. 762 N.B.I.
Inspector's Signature — National Board, State, Province, and Endorsements

Date 11-20 19 95

(12/82)

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification P.O. No	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Horizontal Heat Exchanger	Aerofin Corp	941014	582	G109437	1994	Replaced	Yes
Horizontal Heat Exchanger	Aerofin Corp	941015	583	G109437	1994	Replaced	Yes
Horizontal Heat Exchanger	Aerofin Corp	941016	584	G109437	1994	Replaced	Yes
Horizontal Heat Exchanger	Aerofin Corp	941018	586	G109437	1994	Replaced	Yes
Horizontal Heat Exchanger	Aerofin Corp	941019	587	G109437	1994	Replaced	Yes
Horizontal Heat Exchanger	Aerofin Corp	941020	588	G109437	1994	Replaced	Yes
Horizontal Heat Exchanger	Aerofin Corp	941021	589	G109437	1994	Replaced	Yes

Reference: FC-951

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Aerofin Corporation, 4621 Murray Place, Lynchburg, VA 24501 (name and address of N Certificate Holder)

2. Manufactured for Consumers Power Company, Palisades Generating Plant, Covert, MI 49043 (name and address of Purchaser)

3. Location of installation Consumers Power Company, Palisades Generating Plant, Covert, MI 49043 (name and address)

4. Type: Horizontal Heat Exchanger (horiz. or vert.) | (tank, jacketed, heat ex.) | 941009 (Cert. Holder's serial no.) | --- (CRN) | N-R-1004 (drawing no.) | 577 (Nat'l. Bd. no.) | 1994 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 3 (class) | -- (Code Case no.)

Items 6-10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-516,GR.70 (mat'l. spec. no.) | 70,000 (tensile strength) | 1.63" (nom. thickness (in.)) | 1.625" (min. design thickness (in.)) | 1' - 6" (dia. ID (ft & in.)) | 4' - 5.88" (length (overall) (ft & in.))

7. Seams: NONE (long.) | -- (HT[1]) | -- (RT) | -- (eff. %) | -- (girth) | -- (HT[1]) | -- (RT) | -- (no. of courses)

8. Heads: SA-516,GR.70 ((a) mat'l. spec. no.) | 70,000 (tensile strength) | SA-516,GR.70 ((b) mat'l. spec. no.) | 70,000 (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	SIDES	.984"	FLAT	--	--	--	--	2.25"	FLAT
(b)	ENDS	.794"	FLAT	--	--	--	--	2.25"	FLAT

If removable, bolts used (112) 5/8"-11x3",SA-193,GR.B7 ZINC PLATED STL. (mat'l. spec. no., size, quantity) Other fastening -- (describe or attach sketch)

9. Jacket closure: _____ (Describe as ogee & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure[2] 150 (psi) at max. temp. 300 (°F). Min. pressure-test temp. 60 (°F). ~~Pneu.~~, hydro., or ~~comb.~~ test pressure 225 (psi)

Items 11 and 12 to be completed for tube sections.

** 11. Tubesheets: SA-516,GR.70 (stationary, mat'l. spec. no.) | 17.5" (dia. in. (subject to press.)) | 1.63" (thickness (in.)) | BOLTED (attachment (welded, bolted))

-- (floating, mat'l. spec. no.) | -- (dia. (in.)) | -- (thickness (in.)) | -- (attachment)

12. Tubes: SB-75, C-12200 (mat'l. spec. no.) | .625" (OD (in.)) | .049" (thickness (inches or gage)) | 432 (no.) | STRAIGHT (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: _____ (mat'l. spec. no.) | (tensile strength) | (nom. thickness (in.)) | (min. design thickness (in.)) | (dia. ID (ft. & in.)) | (length (overall) (ft & in.))

14. Seams: _____ (long. (welded, dbl., single)) | (HT[1] (yes or no)) | (RT) | (eff. %) | (girth) | (HT[1]) | (RT) | (no. of courses)

15. Heads: _____ ((a) mat'l. spec. no.) | (tensile strength) | ((b) mat'l. spec. no.) | (tensile strength) | ((c) mat'l. spec. no.) | (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used _____ (mat'l. spec. no., size, quantity) Other fastening _____ (describe or attach sketch)

16. Design pressure[2] _____ (psi) at _____ (°F). Min. pressure-test temp. _____ (°F). Pneu., hydro., or comb. test pressure _____ (psi)

[1] If postweld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

Certificate Holder's Serial No. 941009

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S. 80 BORE		
OUTLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S.80 BORE		
VENTS/DRAINS	6	3/4" NPS	P.PLUG	THREADED	SA-193	.375"	N/R	END
					GR. B7			
TEST VENTS	2	1" NPS	P.PLUG	THREADED	SA-234	.75"	N/R	END
					GR. WPB			

18. Supports: Skirt NO (yes or no) Lugs -- (quantity) Legs -- (quantity) Other -- (describe) Attached -- (where & how)

19. Remarks: AEROFIN SO# 947963-CR-001
MARKS: RIGHT HAND

** TUBE SHEETS MACHINED INTEGRAL WITH HEADS

CERTIFICATION OF DESIGN

Design specification certified by DONALD L. LEONE P.E. State MI Reg. no. 29203

Design report certified by N/R P.E. State N/R Reg. no. N/R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1996

Date 11-15-94 Name AEROFIN CORPORATION (N Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF SHOP 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 VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 10/25/94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 11/5/94 Signed [signature] (Authorized Inspector) Commissions NB9038 (A, N) VA682 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

*FACTORY MUTUAL ENGRG. ASSOC.

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ (Authorized Inspector) Commissions _____ (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Aerofin Corporation, 4621 Murray Place Lynchburg, VA 24501
(name and address of N Certificate Holder)

2. Manufactured for Consumers Power Company, Palisades Generating Plant, Covert, MI 49043
(name and address of Purchaser)

3. Location of installation Consumers Power Company, Palisades Generating Plant, Covert, MI 49043
(name and address)

4. Type: Horizontal (horiz. or vert.) | Heat Exchanger (tank, jacketed, heat ex.) | 941010 (Cert. Holder's serial no.) | --- (CRN) | N-R-1004 (drawing no.) | 578 (Nat'l. Bd. no.) | 1994 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 3 (class) | -- (Code Case no.)

Items 6–10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-516,GR.70 (mat'l. spec. no.) | 70,000 (tensile strength) | 1.63" (nom. thickness (in.)) | 1.625" (min. design thickness (in.)) | 1' - 6" (dia. ID (ft & in.)) | 4' - 5.88" (length (overall) (ft & in.))

7. Seams: NONE (long.) | -- (HT[1]) | -- (RT) | -- (eff. %) | -- (girth) | -- (HT[1]) | -- (RT) | -- (no. of courses)

8. Heads: SA-516,GR.70 ((a) mat'l. spec. no.) | 70,000 (tensile strength) | SA-516,GR.70 ((b) mat'l. spec. no.) | 70,000 (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	SIDES	.984"	FLAT	--	--	--	--	2.25"	FLAT
(b)	ENDS	.794"	FLAT	--	--	--	--	2.25"	FLAT

If removable, bolts used (112) 5/8"-11x3",SA-193,GR.B7 ZINC PLATED STL. (mat'l. spec. no., size, quantity) Other fastening -- (describe or attach sketch)

9. Jacket closure: _____
(Describe as ogee & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure[2] 150 (psi) at max. temp. 300 (°F). Min. pressure-test temp. 60 (°F). ~~Pneu.~~, hydro., or ~~comb.~~ test pressure 225 (psi)

Items 11 and 12 to be completed for tube sections.

** 11. Tubesheets: SA-516,GR.70 (stationary, mat'l. spec. no.) | 17.5" (dia. in. (subject to press.)) | 1.63" (thickness (in.)) | BOLTED (attachment (welded, bolted))

-- (floating, mat'l. spec. no.) | -- (dia. (in.)) | -- (thickness (in.)) | -- (attachment)

12. Tubes: SB-75, C-12200 (mat'l. spec. no.) | .625" (OD (in.)) | .049" (thickness (inches or gage)) | 432 (no.) | STRAIGHT (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: _____ (mat'l. spec. no.) | _____ (tensile strength) | _____ (nom. thickness (in.)) | _____ (min. design thickness (in.)) | _____ (dia. ID (ft. & in.)) | _____ (length (overall) (ft & in.))

14. Seams: _____ (long. (welded, dbl., single)) | _____ (HT[1] (yes or no)) | _____ (RT) | _____ (eff. %) | _____ (girth) | _____ (HT[1]) | _____ (RT) | _____ (no. of courses)

15. Heads: _____ ((a) mat'l. spec. no.) | _____ (tensile strength) | _____ ((b) mat'l. spec. no.) | _____ (tensile strength) | _____ ((c) mat'l. spec. no.) | _____ (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used _____ (mat'l. spec. no., size, quantity) Other fastening _____ (describe or attach sketch)

16. Design pressure[2] _____ (psi) at _____ (°F). Min. pressure-test temp. _____ (°F). Pneu., hydro., or comb. test pressure _____ (psi)

[1] If postweld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

Certificate Holder's Serial No. 941010

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S. 80 BORE		
OUTLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S.80 BORE		
VENTS/DRAINS	6	3/4" NPS	P.PLUG	THREADED	SA-193	.375"	N/R	END
					GR. B7			
TEST VENTS	2	1" NPS	P.PLUG	THREADED	SA-234	.75"	N/R	END
					GR. WPB			

18. Supports: Skirt NO (yes or no) Lugs -- (quantity) Legs -- (quantity) Other -- (describe) Attached -- (where & how)

19. Remarks: AEROFIN SO# 947963-CR-002
MARKS: RIGHT HAND

** TUBE SHEETS MACHINED INTEGRAL WITH HEADS

CERTIFICATION OF DESIGN

Design specification certified by DONALD L. LEONE P.E. State MI Reg. no. 29203

Design report certified by N/R P.E. State N/R Reg. no. N/R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1996

Date 11-15-94 Name AEROFIN CORPORATION (N Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF SHOP 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 VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 10/25/94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 11/15/94 Signed [signature] (Authorized Inspector) Commissions NB 9038 (A & U) VA 682

*FACTORY MUTUAL ENGRG. ASSOC.

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ (Authorized Inspector) Commissions _____ (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Aerofin Corporation, 4621 Murray Place, Lynchburg, VA 24501 (name and address of N Certificate Holder)

2. Manufactured for Consumers Power Company, Palisades Generating Plant, Covert, MI 49043 (name and address of Purchaser)

3. Location of installation Consumers Power Company, Palisades Generating Plant, Covert, MI 49043 (name and address)

4. Type: Horizontal (horiz. or vert.) | Heat Exchanger (tank, jacketed, heat ex.) | 941011 (Cert. Holder's serial no.) | --- (CRN) | N-R-1004 (drawing no.) | 579 (Nat'l. Bd. no.) | 1994 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 3 (class) | -- (Code Case no.)

Items 6–10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-516,GR.70 (mat'l. spec. no.) | 70,000 (tensile strength) | 1.63" (nom. thickness (in.)) | 1.625" (min. design thickness (in.)) | 1' - 6" (dia. ID (ft & in.)) | 4' - 5.88" (length (overall) (ft & in.))

7. Seams: NONE (long.) | -- (HT¹) | -- (RT) | -- (eff. %) | -- (girth) | -- (HT¹) | -- (RT) | -- (no. of courses)

8. Heads: SA-516,GR.70 ((a) mat'l. spec. no.) | 70,000 (tensile strength) | SA-516,GR.70 ((b) mat'l. spec. no.) | 70,000 (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	SIDES	.984"	FLAT	--	--	--	--	2.25"	FLAT
(b)	ENDS	.794"	FLAT	--	--	--	--	2.25"	FLAT

If removable, bolts used (112) 5/8"-11x3",SA-193,GR.B7 ZINC PLATED STL. (mat'l. spec. no., size, quantity) Other fastening -- (describe or attach sketch)

9. Jacket closure: _____ (Describe as ogee & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure² 150 (psi) at max. temp. 300 (°F). Min. pressure-test temp. 60 (°F). ~~Pneu.~~, hydro., or ~~comb.~~ test pressure 225 (psi)

Items 11 and 12 to be completed for tube sections.

** 11. Tubesheets: SA-516,GR.70 (stationary, mat'l. spec. no.) | 17.5" (dia. in. (subject to press.)) | 1.63" (thickness (in.)) | BOLTED (attachment (welded, bolted))

-- (floating, mat'l. spec. no.) | -- (dia. (in.)) | -- (thickness (in.)) | -- (attachment)

12. Tubes: SB-75, C-12200 (mat'l. spec. no.) | .625" (OD (in.)) | .049" (thickness (inches or gage)) | 432 (no.) | STRAIGHT (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: _____ (mat'l. spec. no.) | (tensile strength) | (nom. thickness (in.)) | (min. design thickness (in.)) | (dia. ID (ft. & in.)) | (length (overall) (ft & in.))

14. Seams: _____ (long. (welded, dbl., single)) | (HT¹ (yes or no)) | (RT) | (eff. %) | (girth) | (HT¹) | (RT) | (no. of courses)

15. Heads: _____ ((a) mat'l. spec. no.) | (tensile strength) | ((b) mat'l. spec. no.) | (tensile strength) | ((c) mat'l. spec. no.) | (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used _____ (mat'l. spec. no., size, quantity) Other fastening _____ (describe or attach sketch)

16. Design pressure² _____ (psi) at _____ (°F). Min. pressure-test temp. _____ (°F). Pneu., hydro., or comb. test pressure _____ (psi)

¹If postweld heat treated. ²List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

Certificate Holder's Serial No. 941011

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S. 80 BORE		
OUTLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S.80 BORE		
VENTS/DRAINS	6	3/4" NPS	P.PLUG	THREADED	SA-193	.375"	N/R	END
					GR. B7			
TEST VENTS	2	1" NPS	P.PLUG	THREADED	SA-234	.75"	N/R	END
					GR. WPB			

18. Supports: Skirt NO (yes or no) Lugs -- (quantity) Legs -- (quantity) Other -- (describe) Attached -- (where & how)

19. Remarks: AEROFIN SO# 947963-CR-003
MARKS: RIGHT HAND

** TUBE SHEETS MACHINED INTEGRAL WITH HEADS

CERTIFICATION OF DESIGN

Design specification certified by DONALD L. LEONE P.E. State MI Reg. no. 29203

Design report certified by N/R P.E. State N/R Reg. no. N/R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1996

Date 11-15-94 Name AEROFIN CORPORATION (N Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF SHOP 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 VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 10/31/94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 11/15/94 Signed [signature] (Authorized Inspector) Commissions NB9038 (A & N1) VA 682 [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

*FACTORY MUTUAL ENGRG. ASSOC.

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ (Authorized Inspector) Commissions _____ [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Aerofin Corporation, 4621 Murray Place, Lynchburg, VA 24501
(name and address of N Certificate Holder)

2. Manufactured for Consumers Power Company, Palisades Generating Plant, Covert, MI 49043
(name and address of Purchaser)

3. Location of installation Consumers Power Company, Palisades Generating Plant, Covert, MI 49043
(name and address)

4. Type: Horizontal (horiz. or vert.) | Heat Exchanger (tank, jacketed, heat ex.) | 941012 (Cert. Holder's serial no.) | --- (CRN) | N-R-1004 (drawing no.) | 580 (Nat'l. Bd. no.) | 1994 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 3 (class) | -- (Code Case no.)

Items 6-10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-516,GR.70 (mat'l. spec. no.) | 70,000 (tensile strength) | 1.63" (nom. thickness (in.)) | 1.625" (min. design thickness (in.)) | 1' - 6" (dia. ID (ft & in.)) | 4' - 5.88" (length (overall) (ft & in.))

7. Seams: NONE (long.) | -- (HT[1]) | -- (RT) | -- (eff. %) | -- (girth) | -- (HT[1]) | -- (RT) | -- (no. of courses)

8. Heads: SA-516,GR.70 ((a) mat'l. spec. no.) | 70,000 (tensile strength) | SA-516,GR.70 ((b) mat'l. spec. no.) | 70,000 (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	SIDES	.984"	FLAT	--	--	--	--	2.25"	FLAT
(b)	ENDS	.794"	FLAT	--	--	--	--	2.25"	FLAT

If removable, bolts used (112) 5/8"-11x3",SA-193,GR.B7 ZINC PLATED STL. (mat'l. spec. no., size, quantity) Other fastening -- (describe or attach sketch)

9. Jacket closure: _____
(Describe as ogee & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure[2] 150 (psi) at max. temp. 300 (°F). Min. pressure-test temp. 60 (°F). ~~Pneu.~~, hydro., or ~~comb.~~ test pressure 225 (psi)

Items 11 and 12 to be completed for tube sections.

** 11. Tubesheets: SA-516,GR.70 (stationary, mat'l. spec. no.) | 17.5" (dia. in. (subject to press.)) | 1.63" (thickness (in.)) | BOLTED (attachment (welded, bolted))

-- (floating, mat'l. spec. no.) | -- (dia. (in.)) | -- (thickness (in.)) | -- (attachment)

12. Tubes: SB-75, C-12200 (mat'l. spec. no.) | .625" (OD (in.)) | .049" (thickness (inches or gage)) | 432 (no.) | STRAIGHT (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: _____ (mat'l. spec. no.) | (tensile strength) | (nom. thickness (in.)) | (min. design thickness (in.)) | (dia. ID (ft. & in.)) | (length (overall) (ft & in.))

14. Seams: _____ (long. (welded, dbl., single)) | (HT[1] (yes or no)) | (RT) | (eff. %) | (girth) | (HT[1]) | (RT) | (no. of courses)

15. Heads: _____ ((a) mat'l. spec. no.) | (tensile strength) | ((b) mat'l. spec. no.) | (tensile strength) | ((c) mat'l. spec. no.) | (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used _____ (mat'l. spec. no., size, quantity) Other fastening _____ (describe or attach sketch)

16. Design pressure[2] _____ (psi) at _____ (°F). Min. pressure-test temp. _____ (°F). Pneu., hydro., or comb. test pressure _____ (psi)

[1] If postweld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

Certificate Holder's Serial No. 941012

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S. 80 BORE		
OUTLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S.80 BORE		
VENTS/DRAINS	6	3/4" NPS	P.PLUG	THREADED	SA-193	.375"	N/R	END
					GR. B7			
TEST VENTS	2	1" NPS	P.PLUG	THREADED	SA-234	.75"	N/R	END
					GR. WPB			

18. Supports: Skirt NO (yes or no) Lugs -- (quantity) Legs -- (quantity) Other -- (describe) Attached -- (where & how)

19. Remarks: AEROFIN SO# 947963-CR-004
MARKS: RIGHT HAND

** TUBE SHEETS MACHINED INTEGRAL WITH HEADS

CERTIFICATION OF DESIGN

Design specification certified by DONALD L. LEONE P.E. State MI Reg. no. 29203

Design report certified by N/R P.E. State N/R Reg. no. N/R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1996

Date 11-15-94 Name AEROFIN CORPORATION (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF SHOP 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 VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 10/25/94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 11/1/94 Signed (Authorized Inspector) Commissions NB9038(A)(N) VA 682 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

*FACTORY MUTUAL ENGRG. ASSOC.

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ (Authorized Inspector) Commissions _____ (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Aerofin Corporation, 4621 Murray Place, Lynchburg, VA 24501
(name and address of N Certificate Holder)

2. Manufactured for Consumers Power Company, Palisades Generating Plant, Covert, MI 49043
(name and address of Purchaser)

3. Location of installation Consumers Power Company, Palisades Generating Plant, Covert, MI 49043
(name and address)

4. Type: Horizontal Heat Exchanger (horiz. or vert.) | 941013 (tank, jacketed, heat ex.) | --- (Cert. Holder's serial no.) | N-R-1004 (CRN) | 581 (drawing no.) | 1994 (Nat'l. Bd. no.) | (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 3 (class) | -- (Code Case no.)

Items 6–10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-516,GR.70 (mat'l. spec. no.) | 70,000 (tensile strength) | 1.63" (nom. thickness (in.)) | 1.625" (min. design thickness (in.)) | 1' - 6" (dia. ID (ft & in.)) | 4' - 5.88" (length (overall) (ft & in.))

7. Seams: NONE (long.) | -- (HT[1]) | -- (RT) | -- (eff. %) | -- (girth) | -- (HT[1]) | -- (RT) | -- (no. of courses)

8. Heads: SA-516,GR.70 ((a) mat'l. spec. no.) | 70,000 (tensile strength) | SA-516,GR.70 ((b) mat'l. spec. no.) | 70,000 (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	SIDES	.984"	FLAT	--	--	--	--	2.25"	FLAT
(b)	ENDS	.794"	FLAT	--	--	--	--	2.25"	FLAT

If removable, bolts used (112) 5/8"-11x3",SA-193,GR.B7 ZINC PLATED STL. (mat'l. spec. no., size, quantity) Other fastening -- (describe or attach sketch)

9. Jacket closure: _____
(Describe as ogee & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure[2] 150 (psi) at max. temp. 300 (°F). Min. pressure-test temp. 60 (°F). ~~Pneu.~~, hydro., or ~~comb.~~ test pressure 225 (psi)

Items 11 and 12 to be completed for tube sections.

** 11. Tubesheets: SA-516,GR.70 (stationary, mat'l. spec. no.) | 17.5" (dia. in. (subject to press.)) | 1.63" (thickness (in.)) | BOLTED (attachment (welded, bolted))

-- (floating, mat'l. spec. no.) | -- (dia. (in.)) | -- (thickness (in.)) | -- (attachment)

12. Tubes: SB-75, C-12200 (mat'l. spec. no.) | .625" (OD (in.)) | .049" (thickness (inches or gage)) | 432 (no.) | STRAIGHT (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: _____ (mat'l. spec. no.) | _____ (tensile strength) | _____ (nom. thickness (in.)) | _____ (min. design thickness (in.)) | _____ (dia. ID (ft. & in.)) | _____ (length (overall) (ft & in.))

14. Seams: _____ (long. (welded, dbl., single)) | _____ (HT[1] (yes or no)) | _____ (RT) | _____ (eff. %) | _____ (girth) | _____ (HT[1]) | _____ (RT) | _____ (no. of courses)

15. Heads: _____ ((a) mat'l. spec. no.) | _____ (tensile strength) | _____ ((b) mat'l. spec. no.) | _____ (tensile strength) | _____ ((c) mat'l. spec. no.) | _____ (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used _____ (mat'l. spec. no., size, quantity) Other fastening _____ (describe or attach sketch)

16. Design pressure[2] _____ (psi) at _____ (°F). Min. pressure-test temp. _____ (°F). Pneu., hydro., or comb. test pressure _____ (psi)

[1] If postweld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

Certificate Holder's Serial No. 941013

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S. 80 BORE		
OUTLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S.80 BORE		
VENTS/DRAINS	6	3/4" NPS	P.PLUG	THREADED	SA-193	.375"	N/R	END
					GR. B7			
TEST VENTS	2	1" NPS	P.PLUG	THREADED	SA-234	.75"	N/R	END

18. Supports: Skirt NO (yes or no) Lugs -- (quantity) Legs -- (quantity) Other -- (describe) Attached GR. WPB -- (where & how)

19. Remarks: AEROFIN SO# 947963-CR-005
MARKS: RIGHT HAND

** TUBE SHEETS MACHINED INTEGRAL WITH HEADS

CERTIFICATION OF DESIGN

Design specification certified by DONALD L. LEONE P.E. State MI Reg. no. 29203

Design report certified by N/R P.E. State N/R Reg. no. N/R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1996

Date 11-15-94 Name AEROFIN CORPORATION (N Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF SHOP 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 VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 10/27/94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 11/1/94 Signed [signature] (Authorized Inspector) Commissions NB9038 (A 1/2 N) VA 682 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

*FACTORY MUTUAL ENGRG. ASSOC.

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ (Authorized Inspector) Commissions _____ (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Aerofin Corporation, 4621 Murray Place, Lynchburg, VA 24501 (name and address of N Certificate Holder)

2. Manufactured for Consumers Power Company, Palisades Generating Plant, Covert, MI 49043 (name and address of Purchaser)

3. Location of installation Consumers Power Company, Palisades Generating Plant, Covert, MI 49043 (name and address)

4. Type: Horizontal (horiz. or vert.) | Heat Exchanger (tank, jacketed, heat ex.) | 941014 (Cert. Holder's serial no.) | --- (CRN) | N-R-1004 (drawing no.) | 582 (Nat'l. Bd. no.) | 1994 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 3 (class) | -- (Code Case no.)

Items 6–10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-516,GR.70 (mat'l. spec. no.) | 70,000 (tensile strength) | 1.63" (nom. thickness (in.)) | 1.625" (min. design thickness (in.)) | 1' - 6" (dia. ID (ft & in.)) | 4' - 5.88" (length (overall) (ft & in.))

7. Seams: NONE (long.) | -- (HT[1]) | -- (RT) | -- (eff. %) | -- (girth) | -- (HT[1]) | -- (RT) | -- (no. of courses)

8. Heads: SA-516,GR.70 ((a) mat'l. spec. no.) | 70,000 (tensile strength) | SA-516,GR.70 ((b) mat'l. spec. no.) | 70,000 (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	SIDES	.984"	FLAT	--	--	--	--	2.25"	FLAT
(b)	ENDS	.794"	FLAT	--	--	--	--	2.25"	FLAT

If removable, bolts used (112) 5/8"-11x3",SA-193,GR.B7 ZINC PLATED STL. (mat'l. spec. no., size, quantity) Other fastening -- (describe or attach sketch)

9. Jacket closure: _____ (Describe as ogee & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure[2] 150 (psi) at max. temp. 300 (°F). Min. pressure-test temp. 60 (°F). ~~Pneu.~~, hydro., or ~~comb.~~ test pressure 225 (psi)

Items 11 and 12 to be completed for tube sections.

** 11. Tubesheets: SA-516,GR.70 (stationary, mat'l. spec. no.) | 17.5" (dia. in. (subject to press.)) | 1.63" (thickness (in.)) | BOLTED (attachment (welded, bolted))

-- (floating, mat'l. spec. no.) | -- (dia. (in.)) | -- (thickness (in.)) | -- (attachment)

12. Tubes: SB-75, C-12200 (mat'l. spec. no.) | .625" (OD (in.)) | .049" (thickness (inches or gage)) | 432 (no.) | STRAIGHT (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: _____ (mat'l. spec. no.) | _____ (tensile strength) | _____ (nom. thickness (in.)) | _____ (min. design thickness (in.)) | _____ (dia. ID (ft. & in.)) | _____ (length (overall) (ft & in.))

14. Seams: _____ (long. (welded, dbl., single)) | _____ (HT[1] (yes or no)) | _____ (RT) | _____ (eff. %) | _____ (girth) | _____ (HT[1]) | _____ (RT) | _____ (no. of courses)

15. Heads: _____ ((a) mat'l. spec. no.) | _____ (tensile strength) | _____ ((b) mat'l. spec. no.) | _____ (tensile strength) | _____ ((c) mat'l. spec. no.) | _____ (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used _____ (mat'l. spec. no., size, quantity) Other fastening _____ (describe or attach sketch)

16. Design pressure[2] _____ (psi) at _____ (°F). Min. pressure-test temp. _____ (°F). Pneu., hydro., or comb. test pressure _____ (psi)

[1] If postweld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

This form (E00038) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Certificate Holder's Serial No. 941014

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S. 80 BORE		
OUTLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S.80 BORE		
VENTS/DRAINS	6	3/4" NPS	P.PLUG	THREADED	SA-193	.375"	N/R	END
					GR. B7			
TEST VENTS	2	1" NPS	P.PLUG	THREADED	SA-234	.75"	N/R	END

18. Supports: Skirt NO (yes or no) Lugs -- (quantity) Legs -- (quantity) Other -- (describe) GR. WPB Attached -- (where & how)

19. Remarks: AEROFIN SO# 947963-CR-006
MARKS: RIGHT HAND

** TUBE SHEETS MACHINED INTEGRAL WITH HEADS

CERTIFICATION OF DESIGN

Design specification certified by DONALD L. LEONE P.E. State MI Reg. no. 29203

Design report certified by N/R P.E. State N/R Reg. no. N/R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1996

Date 11-15-94 Name AEROFIN CORPORATION (N Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF SHOP 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 VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 10/27/94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 11/1/94 Signed [signature] (Authorized Inspector) Commissions NB9038(A thru W) VA682 [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

*FACTORY MUTUAL ENGRG. ASSOC.

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ (Authorized Inspector) Commissions _____ [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Aerofin Corporation, 4621 Murray Place, Lynchburg, VA 24501 (name and address of N Certificate Holder)

2. Manufactured for Consumers Power Company, Palisades Generating Plant, Covert, MI 49043 (name and address of Purchaser)

3. Location of installation Consumers Power Company, Palisades Generating Plant, Covert, MI 49043 (name and address)

4. Type: Horizontal Heat Exchanger (horiz. or vert.) | 941015 (tank, jacketed, heat ex.) | --- (Cert. Holder's serial no.) | N-R-1004 (CRN) | 583 (drawing no.) | 1994 (Nat'l. Bd. no.) | (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 3 (class) | -- (Code Case no.)

Items 6-10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-516,GR.70 (mat'l. spec. no.) | 70,000 (tensile strength) | 1.63" (nom. thickness (in.)) | 1.625" (min. design thickness (in.)) | 1' - 6" (dia. ID (ft & in.)) | 4' - 5.88" (length (overall) (ft & in.))

7. Seams: NONE (long.) | -- (HT[1]) | -- (RT) | -- (eff. %) | -- (girth) | -- (HT[1]) | -- (RT) | -- (no. of courses)

8. Heads: SA-516,GR.70 ((a) mat'l. spec. no.) | 70,000 (tensile strength) | SA-516,GR.70 ((b) mat'l. spec. no.) | 70,000 (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	SIDES	.984"	FLAT	--	--	--	--	2.25"	FLAT
(b)	ENDS	.794"	FLAT	--	--	--	--	2.25"	FLAT

If removable, bolts used (112) 5/8"-11x3",SA-193,GR.B7 ZINC PLATED STL. (mat'l. spec. no., size, quantity) Other fastening -- (describe or attach sketch)

9. Jacket closure: _____ (Describe as ogee & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure[2] 150 (psi) at max. temp. 300 (°F). Min. pressure-test temp. 60 (°F). ~~Pneu.~~, hydro., or ~~comb.~~ test pressure 225 (psi)

Items 11 and 12 to be completed for tube sections.

** 11. Tubesheets: SA-516,GR.70 (stationary, mat'l. spec. no.) | 17.5" (dia. in. (subject to press.)) | 1.63" (thickness (in.)) | BOLTED (attachment (welded, bolted))

-- (floating, mat'l. spec. no.) | -- (dia. (in.)) | -- (thickness (in.)) | -- (attachment)

12. Tubes: SB-75, C-12200 (mat'l. spec. no.) | .625" (OD (in.)) | .049" (thickness (inches or gage)) | 432 (no.) | STRAIGHT (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: _____ (mat'l. spec. no.) | (tensile strength) | (nom. thickness (in.)) | (min. design thickness (in.)) | (dia. ID (ft. & in.)) | (length (overall) (ft & in.))

14. Seams: _____ (long. (welded, dbl., single)) | (HT[1] (yes or no)) | (RT) | (eff. %) | (girth) | (HT[1]) | (RT) | (no. of courses)

15. Heads: _____ ((a) mat'l. spec. no.) | (tensile strength) | ((b) mat'l. spec. no.) | (tensile strength) | ((c) mat'l. spec. no.) | (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used _____ (mat'l. spec. no., size, quantity) Other fastening _____ (describe or attach sketch)

16. Design pressure[2] _____ (psi) at _____ (°F). Min. pressure-test temp. _____ (°F). Pneu., hydro., or comb. test pressure _____ (psi)

[1] If postweld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

Certificate Holder's Serial No. 941015

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S. 80 BORE		
OUTLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S.80 BORE		
VENTS/DRAINS	6	3/4" NPS	P.PLUG	THREADED	SA-193	.375"	N/R	END
					GR. B7			
TEST VENTS	2	1" NPS	P.PLUG	THREADED	SA-234	.75"	N/R	END
					GR. WPB			

18. Supports: Skirt NO (yes or no) Lugs -- (quantity) Legs -- (quantity) Other -- (describe) Attached -- (where & how)

19. Remarks: AEROFIN SO# 947963-CR-007
MARKS: LEFT HAND

** TUBE SHEETS MACHINED INTEGRAL WITH HEADS

CERTIFICATION OF DESIGN

Design specification certified by DONALD L. LEONE P.E. State MI Reg. no. 29203

Design report certified by N/R P.E. State N/R Reg. no. N/R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1996

Date 11-15-94 Name AEROFIN CORPORATION (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF SHOP 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 VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 10/28/94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 11/15/94 Signed (Authorized Inspector) Commissions NB 9038(A)(N) VA682

*FACTORY MUTUAL ENGRG. ASSOC. [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ (Authorized Inspector) Commissions _____ [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Aerofin Corporation, 4621 Murray Place, Lynchburg, VA 24501 (name and address of N Certificate Holder)

2. Manufactured for Consumers Power Company, Palisades Generating Plant, Covert, MI 49043 (name and address of Purchaser)

3. Location of installation Consumers Power Company, Palisades Generating Plant, Covert, MI 49043 (name and address)

4. Type: Horizontal Heat Exchanger (horiz. or vert.) | 941016 (tank, jacketed, heat ex.) | (Cert. Holder's serial no.) | --- (CRN) | N-R-1004 (drawing no.) | 584 (Nat'l. Bd. no.) | 1994 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 3 (class) | -- (Code Case no.)

Items 6-10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-516,GR.70 (mat'l. spec. no.) | 70,000 (tensile strength) | 1.63" (nom. thickness (in.)) | 1.625" (min. design thickness (in.)) | 1' - 6" (dia. ID (ft & in.)) | 4' - 5.88" (length (overall) (ft & in.))

7. Seams: NONE (long.) | -- (HT[1]) | -- (RT) | -- (eff. %) | -- (girth) | -- (HT[1]) | -- (RT) | -- (no. of courses)

8. Heads: SA-516,GR.70 ((a) mat'l. spec. no.) | 70,000 (tensile strength) | SA-516,GR.70 ((b) mat'l. spec. no.) | 70,000 (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	SIDES	.984"	FLAT	--	--	--	--	2.25"	FLAT
(b)	ENDS	.794"	FLAT	--	--	--	--	2.25"	FLAT

If removable, bolts used (112) 5/8"-11x3",SA-193,GR.B7 ZINC PLATED STL. (mat'l. spec. no., size, quantity) Other fastening -- (describe or attach sketch)

9. Jacket closure: _____ (Describe as ogee & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure[2] 150 (psi) at max. temp. 300 (°F). Min. pressure-test temp. 60 (°F). ~~Pneu.~~, hydro., or ~~comb.~~ test pressure 225 (psi)

Items 11 and 12 to be completed for tube sections.

** 11. Tubesheets: SA-516,GR.70 (stationary, mat'l. spec. no.) | 17.5" (dia. in. (subject to press.)) | 1.63" (thickness (in.)) | BOLTED (attachment (welded, bolted))

-- (floating, mat'l. spec. no.) | -- (dia. (in.)) | -- (thickness (in.)) | -- (attachment)

12. Tubes: SB-75, C-12200 (mat'l. spec. no.) | .625" (OD (in.)) | .049" (thickness (inches or gage)) | 432 (no.) | STRAIGHT (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: _____ (mat'l. spec. no.) | (tensile strength) | (nom. thickness (in.)) | (min. design thickness (in.)) | (dia. ID (ft. & in.)) | (length (overall) (ft & in.))

14. Seams: _____ (long. (welded, dbl., single)) | (HT[1] (yes or no)) | (RT) | (eff. %) | (girth) | (HT[1]) | (RT) | (no. of courses)

15. Heads: _____ ((a) mat'l. spec. no.) | (tensile strength) | ((b) mat'l. spec. no.) | (tensile strength) | ((c) mat'l. spec. no.) | (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used _____ (mat'l. spec. no., size, quantity) Other fastening _____ (describe or attach sketch)

16. Design pressure[2] _____ (psi) at _____ (°F). Min. pressure-test temp. _____ (°F). Pneu., hydro., or comb. test pressure _____ (psi)

[1] If postweld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

Certificate Holder's Serial No. 941016

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	4" NPS	L.W.N. FLG.	WELDED	SA-105	150 LB S. 80 BORE	N/R	END
OUTLET	1	4" NPS	L.W.N. FLG.	WELDED	SA-105	150 LB S.80 BORE	N/R	END
VENTS/DRAINS	6	3/4" NPS	P.PLUG	THREADED	SA-193 GR. B7	.375"	N/R	END
TEST VENTS	2	1" NPS	P.PLUG	THREADED	SA-234 GR. WPB	.75"	N/R	END

18. Supports: Skirt NO (yes or no) Lugs -- (quantity) Legs -- (quantity) Other -- (describe) Attached -- (where & how)

19. Remarks: AEROFIN SO# 947963-CR-008
MARKS: LEFT HAND

** TUBE SHEETS MACHINED INTEGRAL WITH HEADS

CERTIFICATION OF DESIGN

Design specification certified by DONALD L. LEONE P.E. State MI Reg. no. 29203

Design report certified by N/R P.E. State N/R Reg. no. N/R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1996

Date 11-15-94 Name AEROFIN CORPORATION (N Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF SHOP 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 VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 10/31/94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 11/15/94 Signed [signature] (Authorized Inspector) Commissions NB 9038 (A N) VA 682 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

*FACTORY MUTUAL ENGRG. ASSOC.

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ (Authorized Inspector) Commissions _____ (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Aerofin Corporation, 4621 Murray Place, Lynchburg, VA 24501
(name and address of N Certificate Holder)

2. Manufactured for Consumers Power Company, Palisades Generating Plant, Covert, MI 49043
(name and address of Purchaser)

3. Location of installation Consumers Power Company, Palisades Generating Plant, Covert, MI 49043
(name and address)

4. Type: Horizontal (horiz. or vert.) | Heat Exchanger (tank, jacketed, heat ex.) | 941018 (Cert. Holder's serial no.) | --- (CRN) | N-R-1004 (drawing no.) | 586 (Nat'l. Bd. no.) | 1994 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 3 (class) | -- (Code Case no.)

Items 6-10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-516,GR.70 (mat'l. spec. no.) | 70,000 (tensile strength) | 1.63" (nom. thickness (in.)) | 1.625" (min. design thickness (in.)) | 1' - 6" (dia. ID (ft & in.)) | 4' - 5.88" (length (overall) (ft & in.))

7. Seams: NONE (long.) | -- (HT[1]) | -- (RT) | -- (eff. %) | -- (girth) | -- (HT[1]) | -- (RT) | -- (no. of courses)

8. Heads: SA-516,GR.70 ((a) mat'l. spec. no.) | 70,000 (tensile strength) | SA-516,GR.70 ((b) mat'l. spec. no.) | 70,000 (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	SIDES	.984"	FLAT	--	--	--	--	2.25"	FLAT
(b)	ENDS	.794"	FLAT	--	--	--	--	2.25"	FLAT

If removable, bolts used (112) 5/8"-11x3",SA-193,GR.B7 ZINC PLATED STL. (mat'l. spec. no., size, quantity) Other fastening -- (describe or attach sketch)

9. Jacket closure: _____
(Describe as ogee & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure[2] 150 (psi) at max. temp. 300 (°F). Min. pressure-test temp. 60 (°F). ~~Pneu.~~, hydro., or ~~comb.~~ test pressure 225 (psi)

Items 11 and 12 to be completed for tube sections.

** 11. Tubesheets: SA-516,GR.70 (stationary, mat'l. spec. no.) | 17.5" (dia. in. (subject to press.)) | 1.63" (thickness (in.)) | BOLTED (attachment (welded, bolted))

-- (floating, mat'l. spec. no.) | -- (dia. (in.)) | -- (thickness (in.)) | -- (attachment)

12. Tubes: SB-75, C-12200 (mat'l. spec. no.) | .625" (OD (in.)) | .049" (thickness (inches or gage)) | 432 (no.) | STRAIGHT (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: _____ (mat'l. spec. no.) | _____ (tensile strength) | _____ (nom. thickness (in.)) | _____ (min. design thickness (in.)) | _____ (dia. ID (ft. & in.)) | _____ (length (overall) (ft & in.))

14. Seams: _____ (long. (welded, dbl., single)) | _____ (HT[1] (yes or no)) | _____ (RT) | _____ (eff. %) | _____ (girth) | _____ (HT[1]) | _____ (RT) | _____ (no. of courses)

15. Heads: _____ ((a) mat'l. spec. no.) | _____ (tensile strength) | _____ ((b) mat'l. spec. no.) | _____ (tensile strength) | _____ ((c) mat'l. spec. no.) | _____ (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used _____ (mat'l. spec. no., size, quantity) Other fastening _____ (describe or attach sketch)

16. Design pressure[2] _____ (psi) at _____ (°F). Min. pressure-test temp. _____ (°F). Pneu., hydro., or comb. test pressure _____ psi

[1] If postweld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

Certificate Holder's Serial No. 941018

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S. 80 BORE		
OUTLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S.80 BORE		
VENTS/DRAINS	6	3/4" NPS	P.PLUG	THREADED	SA-193	.375"	N/R	END
					GR. B7			
TEST VENTS	2	1" NPS	P.PLUG	THREADED	SA-234	.75"	N/R	END

18. Supports: Skirt NO (yes or no) Lugs -- (quantity) Legs -- (quantity) Other -- (describe) GR. WPB Attached -- (where & how)

19. Remarks: AEROFIN SO# 947963-CR-010
MARKS: LEFT HAND

** TUBE SHEETS MACHINED INTEGRAL WITH HEADS

CERTIFICATION OF DESIGN

Design specification certified by DONALD L. LEONE P.E. State MI Reg. no. 29203

Design report certified by N/R P.E. State N/R Reg. no. N/R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1996

Date 11-15-94 Name AEROFIN CORPORATION (N Certificate Holder) Signed Barry Hart (authorized representative)

CERTIFICATE OF SHOP 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 VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 10/30/94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 11/15/94 Signed [signature] (Authorized Inspector) Commissions NB9038(A & N) VA682 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

*FACTORY MUTUAL ENGRG. ASSOC.

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ (Authorized Inspector) Commissions _____ (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Aerofin Corporation, 4621 Murray Place, Lynchburg, VA 24501
(name and address of N Certificate Holder)

2. Manufactured for Consumers Power Company, Palisades Generating Plant, Covert, MI 49043
(name and address of Purchaser)

3. Location of installation Consumers Power Company, Palisades Generating Plant, Covert, MI 49043
(name and address)

4. Type: Horizontal (horiz. or vert.) | Heat Exchanger (tank, jacketed, heat ex.) | 941019 (Cert. Holder's serial no.) | --- (CRN) | N-R-1004 (drawing no.) | 587 (Nat'l. Bd. no.) | 1994 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 3 (class) | -- (Code Case no.)

Items 6-10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-516,GR.70 (mat'l. spec. no.) | 70,000 (tensile strength) | 1.63" (nom. thickness (in.)) | 1.625" (min. design thickness (in.)) | 1' - 6" (dia. ID (ft & in.)) | 4' - 5.88" (length (overall) (ft & in.))

7. Seams: NONE (long.) | -- (HT[1]) | -- (RT) | -- (eff. %) | -- (girth) | -- (HT[1]) | -- (RT) | -- (no. of courses)

8. Heads: SA-516,GR.70 ((a) mat'l. spec. no.) | 70,000 (tensile strength) | SA-516,GR.70 ((b) mat'l. spec. no.) | 70,000 (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	SIDES	.984"	FLAT	--	--	--	--	2.25"	FLAT
(b)	ENDS	.794"	FLAT	--	--	--	--	2.25"	FLAT

If removable, bolts used (112) 5/8"-11x3",SA-193,GR.B7 ZINC PLATED STL. (mat'l. spec. no., size, quantity) Other fastening -- (describe or attach sketch)

9. Jacket closure: _____
(Describe as ogee & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure[2] 150 (psi) at max. temp. 300 (°F). Min. pressure-test temp. 60 (°F). ~~Pneu.~~, hydro., or ~~comb.~~ test pressure 225 (psi)

Items 11 and 12 to be completed for tube sections.

** 11. Tubesheets: SA-516,GR.70 (stationary, mat'l. spec. no.) | 17.5" (dia. in. (subject to press.)) | 1.63" (thickness (in.)) | BOLTED (attachment (welded, bolted))

-- (floating, mat'l. spec. no.) | -- (dia. (in.)) | -- (thickness (in.)) | -- (attachment)

12. Tubes: SB-75, C-12200 (mat'l. spec. no.) | .625" (OD (in.)) | .049" (thickness (inches or gage)) | 432 (no.) | STRAIGHT (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: _____ (mat'l. spec. no.) | _____ (tensile strength) | _____ (nom. thickness (in.)) | _____ (min. design thickness (in.)) | _____ (dia. ID (ft. & in.)) | _____ (length (overall) (ft & in.))

14. Seams: _____ (long. (welded, dbl., single)) | _____ (HT[1] (yes or no)) | _____ (RT) | _____ (eff. %) | _____ (girth) | _____ (HT[1]) | _____ (RT) | _____ (no. of courses)

15. Heads: _____ ((a) mat'l. spec. no.) | _____ (tensile strength) | _____ ((b) mat'l. spec. no.) | _____ (tensile strength) | _____ ((c) mat'l. spec. no.) | _____ (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used _____ (mat'l. spec. no., size, quantity) Other fastening _____ (describe or attach sketch)

16. Design pressure[2] _____ (psi) at _____ (°F). Min. pressure-test temp. _____ (°F). Pneu., hydro., or comb. test pressure _____ (psi)

[1] If postweld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

Certificate Holder's Serial No. 941019

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S. 80 BORE		
OUTLET	1	4" NPS	L.W.N.	WELDED	SA-105	150 LB	N/R	END
			FLG.			S.80 BORE		
VENTS/DRAINS	6	3/4" NPS	P.PLUG	THREADED	SA-193	.375"	N/R	END
					GR. B7			
TEST VENTS	2	1" NPS	P.PLUG	THREADED	SA-234	.75"	N/R	END
					GR. WPB			

18. Supports: Skirt NO (yes or no) Lugs -- (quantity) Legs -- (quantity) Other -- (describe) Attached -- (where & how)

19. Remarks: AEROFIN SO# 947963-CR-011
MARKS: LEFT HAND

** TUBE SHEETS MACHINED INTEGRAL WITH HEADS

CERTIFICATION OF DESIGN

Design specification certified by DONALD L. LEONE P.E. State MI Reg. no. 29203

Design report certified by N/R P.E. State N/R Reg. no. N/R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1996

Date 11-15-94 Name AEROFIN CORPORATION (N Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF SHOP 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 VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 10/30/94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 11/15/94 Signed [signature] (Authorized Inspector) Commissions NB9038(A,N)VA682 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

*FACTORY MUTUAL ENGRG. ASSOC.

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ (Authorized Inspector) Commissions _____ (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Aerofin Corporation, 4621 Murray Place, Lynchburg, VA 24501 (name and address of N Certificate Holder)

2. Manufactured for Consumers Power Company, Palisades Generating Plant, Covert, MI 49043 (name and address of Purchaser)

3. Location of installation Consumers Power Company, Palisades Generating Plant, Covert, MI 49043 (name and address)

4. Type: Horizontal (horiz. or vert.) | Heat Exchanger (tank, jacketed, heat ex.) | 941020 (Cert. Holder's serial no.) | --- (CRN) | N-R-1004 (drawing no.) | 588 (Nat'l. Bd. no.) | 1994 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 3 (class) | -- (Code Case no.)

Items 6-10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-516,GR.70 (mat'l. spec. no.) | 70,000 (tensile strength) | 1.63" (nom. thickness (in.)) | 1.625" (min. design thickness (in.)) | 1' - 6" (dia. ID (ft & in.)) | 4' - 5.88" (length (overall) (ft & in.))

7. Seams: NONE (long.) | -- (HT[1]) | -- (RT) | -- (eff. %) | -- (girth) | -- (HT[1]) | -- (RT) | -- (no. of courses)

8. Heads: SA-516,GR.70 ((a) mat'l. spec. no.) | 70,000 (tensile strength) | SA-516,GR.70 ((b) mat'l. spec. no.) | 70,000 (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	SIDES	.984"	FLAT	--	--	--	--	2.25"	FLAT
(b)	ENDS	.794"	FLAT	--	--	--	--	2.25"	FLAT

If removable, bolts used (112) 5/8"-11x3",SA-193,GR.B7 ZINC PLATED STL. (mat'l. spec. no., size, quantity) Other fastening -- (describe or attach sketch)

9. Jacket closure: _____ (Describe as ogee & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure[2] 150 (psi) at max. temp. 300 (°F). Min. pressure-test temp. 60 (°F). ~~Pneu.~~, hydro., or ~~comb.~~ test pressure 225 (psi)

Items 11 and 12 to be completed for tube sections.

** 11. Tubesheets: SA-516,GR.70 (stationary, mat'l. spec. no.) | 17.5" (dia. in. (subject to press.)) | 1.63" (thickness (in.)) | BOLTED (attachment (welded, bolted))

-- (floating, mat'l. spec. no.) | -- (dia. (in.)) | -- (thickness (in.)) | -- (attachment)

12. Tubes: SB-75, C-12200 (mat'l. spec. no.) | .625" (OD (in.)) | .049" (thickness (inches or gage)) | 432 (no.) | STRAIGHT (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: _____ (mat'l. spec. no.) | (tensile strength) | (nom. thickness (in.)) | (min. design thickness (in.)) | (dia. ID (ft. & in.)) | (length (overall) (ft & in.))

14. Seams: _____ (long. (welded, dbl., single)) | (HT[1] (yes or no)) | (RT) | (eff. %) | (girth) | (HT[1]) | (RT) | (no. of courses)

15. Heads: _____ ((a) mat'l. spec. no.) | (tensile strength) | ((b) mat'l. spec. no.) | (tensile strength) | ((c) mat'l. spec. no.) | (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used _____ (mat'l. spec. no., size, quantity) Other fastening _____ (describe or attach sketch)

16. Design pressure[2] _____ (psi) at _____ (°F). Min. pressure-test temp. _____ (°F). Pneu., hydro., or comb. test pressure _____ (psi)

[1] If postweld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

Certificate Holder's Serial No. 941020

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	4" NPS	L.W.N. FLG.	WELDED	SA-105	150 LB S. 80 BORE	N/R	END
OUTLET	1	4" NPS	L.W.N. FLG.	WELDED	SA-105	150 LB S.80 BORE	N/R	END
VENTS/DRAINS	6	3/4" NPS	P.PLUG	THREADED	SA-193 GR. B7	.375"	N/R	END
TEST VENTS	2	1" NPS	P.PLUG	THREADED	SA-234 GR. WPB	.75"	N/R	END

18. Supports: Skirt NO (yes or no) Lugs -- (quantity) Legs -- (quantity) Other -- (describe) Attached -- (where & how)

19. Remarks: AEROFIN SO# 947963-CR-012
MARKS: LEFT HAND

** TUBE SHEETS MACHINED INTEGRAL WITH HEADS

CERTIFICATION OF DESIGN

Design specification certified by DONALD L. LEONE P.E. State MI Reg. no. 29203

Design report certified by N/R P.E. State N/R Reg. no. N/R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1996

Date 11-15-94 Name AEROFIN CORPORATION (N Certificate Holder) Signed (Authorized representative)

CERTIFICATE OF SHOP 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 VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 10-31-94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 11/15/94 Signed (Authorized Inspector) Commissions NB9038(A N) VA682 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

*FACTORY MUTUAL ENGRG. ASSOC.

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ (Authorized Inspector) Commissions _____ (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Aerofin Corporation, 4621 Murray Place, Lynchburg, VA 24501
(name and address of N Certificate Holder)

2. Manufactured for Consumers Power Company, Palisades Generating Plant, Covert, MI 49043
(name and address of Purchaser)

3. Location of installation Consumers Power Company, Palisades Generating Plant, Covert, MI 49043
(name and address)

4. Type: Horizontal (horiz. or vert.) | Heat Exchanger 941021 (tank, jacketed, heat ex.) | --- (Cert. Holder's serial no.) | (CRN) | N-R-1004 (drawing no.) | 589 (Nat'l. Bd. no.) | 1994 (year built)

5. ASME Code, Section III, Division 1: 1989 (edition) | No Addenda (addenda date) | 3 (class) | -- (Code Case no.)

Items 6-10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA-516,GR. 70 (mat'l. spec. no.) | 70,000 (tensile strength) | 1.63" (nom. thickness (in.)) | 1.625" (min. design thickness (in.)) | 1' - 6" (dia. ID (ft & in.)) | 4' - 5.88" (length (overall) (ft & in.))

7. Seams: NONE (long.) | -- (HT[1]) | -- (RT) | -- (eff. %) | -- (girth) | -- (HT[1]) | -- (RT) | -- (no. of courses)

8. Heads: SA-516, GR. 70 ((a) mat'l. spec. no.) | 70,000 (tensile strength) | SA-516, GR. 70 ((b) mat'l. spec. no.) | 70,000 (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	SIDES	.984"	FLAT	--	--	--	--	2.25"	FLAT
(b)	ENDS	.794"	FLAT	--	--	--	--	2.25"	FLAT

If removable, bolts used (112)5/8"-11x3",SA-193,GR.B7 ZINC PLATED STL (mat'l. spec. no., size, quantity) Other fastening -- (describe or attach sketch)

9. Jacket closure: _____
(Describe as ogee & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure[2] 150 (psi) at max. temp. 300 (°F). Min. pressure-test temp. 60 (°F). Pneu., hydro., or comb. test pressure 225 (psi)

Items 11 and 12 to be completed for tube sections.

**11. Tubesheets: SA-516, GR. 70 (stationary, mat'l. spec. no.) | 17.5" (dia. in. (subject to press.)) | 1.63" (thickness (in.)) | BOLTED (attachment (welded, bolted))

-- (floating, mat'l. spec. no.) | -- (dia. (in.)) | -- (thickness (in.)) | -- (attachment)

12. Tubes: SB-75, C-12200 (mat'l. spec. no.) | .625" (OD (in.)) | .049" (thickness (inches or gage)) | .432 (no.) | STRAIGHT (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: _____ (mat'l. spec. no.) | _____ (tensile strength) | _____ (nom. thickness (in.)) | _____ (min. design thickness (in.)) | _____ (dia. ID (ft. & in.)) | _____ (length (overall) (ft & in.))

14. Seams: _____ (long. (welded, dbl., single)) | _____ (HT[1] (yes or no)) | _____ (RT) | _____ (eff. %) | _____ (girth) | _____ (HT[1]) | _____ (RT) | _____ (no. of courses)

15. Heads: _____ ((a) mat'l. spec. no.) | _____ (tensile strength) | _____ ((b) mat'l. spec. no.) | _____ (tensile strength) | _____ ((c) mat'l. spec. no.) | _____ (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used _____ (mat'l. spec. no., size, quantity) Other fastening _____ (describe or attach sketch)

16. Design pressure[2] _____ (psi) at _____ (°F). Min. pressure-test temp. _____ (°F). Pneu., hydro., or comb. test pressure _____ (psi)

[1] If postweld heat treated. [2] List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

Certificate Holder's Serial No. 941021

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	4" NPS	L.W.N. FLG.	WELDED	SA-105	150 LB S. 80 BORE	N/R	END
OUTLET	1	4" NPS	C/S PIPE	WELDED	SA-106 B	.337"	N/R	END
COUPLING	1	1" NPS	H. CPL	WELDED	SA-234WPC	3000#	N/R	END
VENTS/DRAINS	6	3/4" NPS	P. PLUG	THREADED	SA-193 GR. B7	.375"	N/R	END
TEST VENTS	2	1" NPS	P.PLUG	THREADED	SA-234 GR. WPB	ANSI-B16.11	N/R	END

18. Supports: Skirt NO (yes or no) Lugs -- (quantity) Legs -- (quantity) Other -- (describe) Attached -- (where & how)

19. Remarks: AEROFIN SO# 947963-CR-013
MARKS: LEFT HAND

** TUBE SHEETS MACHINED INTEGRAL WITH HEADS

CERTIFICATION OF DESIGN

Design specification certified by DONALD L. LEONE P.E. State MI Reg. no. 29203

Design report certified by N/R P.E. State N/R Reg. no. N/R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1996

Date 11-15-94 Name AEROFIN CORPORATION (N Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF SHOP 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 VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 10/30/94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 11/15/94 Signed [signature] (Authorized Inspector) Commissions NB9038(A)(N) VA 682 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

*FACTORY MUTUAL ENGRG. ASSOC.

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (N Certificate Holder) Signed _____ (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

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Date _____ Signed _____ (Authorized Inspector) Commissions _____ (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)