



Nebraska Public Power District

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NLS2003080

July 21, 2003

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

Subject: Inservice Inspection Summary Report
Cooper Nuclear Station
NRC Docket No. 50-298, DPR-46

The purpose of this letter is to provide to the Nuclear Regulatory Commission the Inservice Inspection (ISI) Summary Report for the Spring 2003 Refueling Outage at Cooper Nuclear Station. This report is submitted in accordance with the requirements of the ASME Boiler and Pressure Vessel (B&PV) Code, Section XI. Enclosure 1 provides the Owner's Reports for Inservice Inspections, and Repairs or Replacements. Certain non-ASME Section XI augmented ISI results are also included.

Should you have any questions regarding this matter, please contact Paul V. Fleming at (402) 825-2774.

Sincerely,

T. J. Palmisano
Site Vice President

/wrv
Enclosure

cc: Regional Administrator w/enclosure
USNRC Region IV

Senior Resident Inspector w/enclosure
USNRC

Senior Project Manager w/enclosure
USNRC - NRR Project Directorate IV-1

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COOPER NUCLEAR STATION

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ATTACHMENT 3 LIST OF REGULATORY COMMITMENTS©Correspondence Number: NLS2003080

The following table identifies those actions committed to by Nebraska Public Power District (NPPD) in this document. Any other actions discussed in the submittal represent intended or planned actions by NPPD. They are described for information only and are not regulatory commitments. Please notify the Licensing & Regulatory Affairs Manager at Cooper Nuclear Station of any questions regarding this document or any associated regulatory commitments.

COMMITMENT	COMMITTED DATE OR OUTAGE
None	

NLS2003080

Enclosure 1

Enclosure 1

ASME B&PV Code, Section XI, Summary Report

**ASME B&PV Code, Section XI, Summary Report
Cooper Nuclear Station
Spring 2003 Refueling Outage**

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Abstract of Examinations, Tests, Results, and Corrective Action

Introduction

This report documents the American Society of Mechanical Engineer (ASME) Boiler and Pressure Vessel (B&PV) Code, Section XI, Inservice Inspection (ISI) Examinations and Repair and Replacements performed from March 12, 2002 to April 20, 2003. April 20, 2003 corresponds with the end of Refueling Outage 21 (RFO21) at Cooper Nuclear Station. RFO21 is the first outage of the third period in the third ISI interval. It is the second outage of the second period in the first interval for Containment Inspection. Examinations, repairs, and replacements were performed to the requirements of the ASME B&PV Code, Section XI, 1989 Edition, no Addenda; 1989 Edition, 1989 Addenda; 1992 Edition, 1992 Addenda; and the 1995 Edition, 1996 Addenda, as appropriate, and the Code of Federal Regulations Title 10 Part 50.55a.

Examinations

Components

The examinations of ASME Code Class 1, 2, and 3 components are provided in the summary table. There was one (1) relevant indication associated with an integral attachment that required additional examinations in accordance with IWC-2430. An additional indication on an integral attachment was determined to be within the allowable flaw size of IWB- 3514. No repairs were required. There were a total of two-hundred and twenty-two (222) ISI examinations performed during and prior to RFO21.

Containment

The containment inservice inspection program implements the examinations schedule of the primary containment pressure boundary in accordance with ASME B&PV Code, Section XI, 1992 Edition, 1992 Addenda. General Visual examinations and VT-3 examinations were performed for Code Category E-A. VT-1 examination for bolting was performed for Code Category E-G. Three (3) Drywell Head Flange bolts were replaced as a result of these examinations. Since, 100% of the Drywell Head Flange bolts were examined and there were no other similar bolts, no additional examinations were performed.

Snubber Inspection Program

Cooper Nuclear Station (CNS) Snubber Inspection Program implements examination and testing based on Relief Request RI-13, approved March 11, 1999. CNS snubber population consists of two-hundred and five (205) safety related snubbers that require periodic visual examination, functional testing and service life monitoring and seal replacement. The 10% testing sample for RFO21 consisted of twenty-two (22) snubbers. A total of fifty (50) snubbers were removed and replaced for refurbishment as part of the service life-monitoring program. All snubbers replaced are listed on the summary attachment table of the NIS-2 form. The initial 10% sample detected no failures and therefore no additional testing was performed. Those snubbers representing the 10% testing population are given in the table below.

10% Sample						
Component	S/N	Type	Size	Work Order	Test Results	Visual Results
MS-SNUB-(MS-S149B)	462	PSA-3	3	4235920	Sat	Sat
MS-SNUB-(VR-S31)	25256	PSA-3	3	4258333	Sat	Sat
MS-SNUB-(VR-S3)	8141M	PSA-10	10	4258334	Sat	Sat
RHR-SNUB-(RH-S11)	8142M	PSA-10	10	4258335	Sat	Sat
RHR-SNUB-(RH-S14)	460M	PSA-10	10	4258336	Sat	Sat
MS-SNUB-(VR-58-12-Y)	493	PSA-10	10	4258337	Sat	Sat
MS-SNUB-(VR-S4)	494	PSA-10	10	4258338	Sat	Sat
RF-SNUB-(RF-S17)	5890	PSA-10	10	4258339	Sat	Sat
RF-SNUB-(RF-S14)	8138M	PSA-10	10	4258400	Sat	Sat
MS-SNUB-(VR-H64D)	5230	PSA-10	10	4258401	Sat	Sat
MS-SNUB-(SS-B3)	480	PSA-10	10	4258402	Sat	Sat
RR-SNUB-(SS-5B)	5298	PSA-35	35	4258403	Sat	Sat
RR-SNUB-(SS-1A)	5309	PSA-35	35	4258404	Sat	Sat
RR-SNUB-(SS-2A)	5313	PSA-35	35	4258405	Sat	Sat
MS-SNUB-(VR-S7B)	5322	PSA-35	35	4258406	Sat	Sat
MS-SNUB-(B5-S1B&R)	353	PSA-35	35	4258407	Sat	Sat
MS-SNUB-(MS-S16B)	8101	Hydraulic	2-1/2X5	4258408	Sat	Sat
RHR-SNUB-(RH-S77)	8579	Hydraulic	2-1/2X5	4258409	Sat	Sat
RHR-SNUB-(S48B)	8159	Hydraulic	2-1/2X5	4258410	Sat	Sat
RHR-SNUB-(RH-S42)	8023	Hydraulic	2-1/2X5	4258411	Sat	Sat
CS-SNUB-(CS-S11)	7767	Hydraulic	2-1/2X5	4258412	Sat	Sat
MS-SNUB-(MS-S3)	10048	Hydraulic	2-1/2X5	4258413	Sat	Sat

Pressure Testing

The Class 1 system leakage test was performed to test the primary coolant system boundary, Code Category BP, and the Class 2 portion of the Control Rod Drive (CRD) system boundary, Code Category C-H. In conjunction with the Class 1 system leakage test visual examinations were performed as required by Code Category BE (Items B4.11, B4.12, and B4.13). The vessel flange seal leak detection system was pressure tested with the refueling cavity flooded as permitted by Relief Request PR-04, approved February 24, 2000.

Two pressure tests were performed after RFO20 (Fall 2001) summary report during the second period (ending October 30, 2002). The details of the pressure tests are provided below.

System	Test	Code Cat.	Code Item	Exam	Procedure	Date	Results
HPCI (Suction)	Class 3 High Pressure Coolant Injection	C-H	C7.30 C7.50 C7.70	VT-2 40 month	6.HPCI.501	04/2002	Sat
RHR-A	Class 2 Residual Heat Removal	C-H	C7.10 C7.30 C7.50 C7.70	VT-2 40 month	6.2RHR.501	04/2002	Sat

Owner Elected and Augmented Examinations

The Owner elected examinations included ultrasonic and visual examinations recommended by the Boiler Water Reactor Vessel and Internals Project (BWRVIP) and industry operating experiences including General Electric (GE) Service Information Letters (SIL's). There was one additional through wall flaw found on the steam dryer skirt, but the previously reported circumferential indications on the skirt were determined to be manufacturing roller marks. One of the previously reported core spray internal piping weld flaws (P8b) was determined to be geometry. Other than the one new dryer skirt flaw no additional flaws were found.

The augmented examinations included ultrasonic examination of sixty-five (65) Reactor Equipment Cooling (REC) system welds. One (1) three (3) inch weld was found to have a flaw indication. The indication was within the allowable flaw size and was repaired during RFO21.

Repairs or Replacements

The ASME Section XI repairs or replacements are as summarized in the Form NIS-2 Owner's Report and summary table.

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

1. Owner : Nebraska Public Power District, 1414 15th St., Columbus, NE 68601
(Name and Address of Owner)
2. Plant : Cooper Nuclear Station, P.O. Box 98, Brownville, NE 68321
(Name and Address of Plant)
3. Plant Unit : 1 4. Owner Certificate of Authorization (if required) : N/A
5. Commerical Service Date 07/01/1974 6. National Board Number : 20762

7. Components Inspected :

Component or Appurtenance	Manufacturer or Installer	Manufacture or Installer Serial No.	State or Province No.	National Board No
Reactor Vessel / Vessel Head	Combustion Engineering	C.E.66106 / C.E.66206	N/A	20762
Piping, Pumps, Valves, and Supports	N/A	N/A	N/A	N/A
Containment	Chicago Bridge and Iron	C-4448	N/A	None

8. Examination Date 3/12/02 (62 Days Following the End of Last Outage) to 04/20/2003
9. Inspection Period Identification (ISI) Third Period 11/01/2002 to 02/28/2006, (IWE) Second Period 06/09/2001 to 01/08/2005
10. Inspection Interval Identification : (ISI) Third 03/01/1996 to 02/28/2006, (IWE) First 06/02/1996 to 05/08/2007
11. Applicable Edition of Section XI : (ISI) 1989, (IWE) 1992 Addenda : (ISI) None, (IWE) 1992
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.
See Attachment 1
14. Abstract of Results of Examinations and Tests : See Attachment 1
15. Abstract of Corrective Measures : See Attachment 1

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

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

Date 6/18/03 Signed : Nebraska Public Power District By : Allen R. [Signature]
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 NEBRASKA and employed by HSBCT of HARTFORD, CT have inspected the components describe in this Owners Report during the period of 03/12/02 to 04/20/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and test and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

K. Saltzman Commissions NB11047 A, N, I, C, N, S
Inspector's Signature National Board, State, Province, and Endorsements

Date : 06/18/03

Attachment 1, RFO21: Inservice Inspection Report

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commercial Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

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Tuesday, June 17, 2003

Exam Credit: ISI	Equal: 223
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Category: B-E	Equal: 19
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Item No.: B4.11	Equal: 1
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Summary No.: B4.11.N10 Component ID: NVE-BE-N10
Class: 1 System: NB Description: SLC Nozzle to RPV Partial Penetration Weld
Work Order: 4230314

Exam Method: VT-2
Results: Accept
Report No.: VE-03-551

Comments / Corrective Measures:
Performed in conjunction with Class 1 System Leakage Test.

Item No.: B4.12	Equal: 12
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Summary No.: B4.12.34-03 Component ID: CRD 34-03
Class: 1 System: NB Description: CRD Nozzle to RPV Partial Penetration Weld
Work Order: 4230314

Exam Method: VT-2
Results: Accept
Report No.: VE-03-535

Comments / Corrective Measures:
Performed in conjunction with Class 1 System Leakage Test.

Summary No.: B4.12.34-19 Component ID: CRD 34-19
Class: 1 System: NB Description: CRD Nozzle to RPV Partial Penetration Weld
Work Order: 4230314

Exam Method: VT-2
Results: Accept
Report No.: VE-03-536

Comments / Corrective Measures:
Performed in conjunction with Class 1 System Leakage Test.

Summary No.: B4.12.34-35 Component ID: CRD 34-35
Class: 1 System: NB Description: CRD Nozzle to RPV Partial Penetration Weld
Work Order: 4230314

Exam Method: VT-2
Results: Accept
Report No.: VE-03-537

Comments / Corrective Measures:
Performed in conjunction with Class 1 System Leakage Test.

Summary No.: B4.12.38-07 Component ID: CRD 38-07
Class: 1 System: NB Description: CRD Nozzle to RPV Partial Penetration Weld
Work Order: 4230314

Exam Method: VT-2
Results: Accept
Report No.: VE-03-538

Comments / Corrective Measures:
Performed in conjunction with Class 1 System Leakage Test.

Summary No.: B4.12.38-27 Component ID: CRD 38-27
Class: 1 System: NB Description: CRD Nozzle to RPV Partial Penetration Weld
Work Order: 4230314

Exam Method: VT-2
Results: Accept
Report No.: VE-03-539

Comments / Corrective Measures:
Performed in conjunction with Class 1 System Leakage Test.

Summary No.: B4.12.38-47 Component ID: CRD 38-47
Class: 1 System: NB Description: CRD Nozzle to RPV Partial Penetration Weld
Work Order: 4230314

Exam Method: VT-2
Results: Accept
Report No.: VE-03-540

Comments / Corrective Measures:
Performed in conjunction with Class 1 System Leakage Test.

Summary No.: B4.12.42-11 Component ID: CRD 42-11
Class: 1 System: NB Description: CRD Nozzle to RPV Partial Penetration Weld
Work Order: 4230314

Exam Method: VT-2
Results: Accept
Report No.: VE-03-541

Comments / Corrective Measures:
Performed in conjunction with Class 1 System Leakage Test.

Summary No.: B4.12.42-15 Component ID: CRD 42-15
Class: 1 System: NB Description: CRD Nozzle to RPV Partial Penetration Weld
Work Order: 4230314

Exam Method: VT-2
Results: Accept
Report No.: VE-03-542

Comments / Corrective Measures:
Performed in conjunction with Class 1 System Leakage Test.

Summary No.: B4.12.42-39 Component ID: CRD 42-39
Class: 1 System: NB Description: CRD Nozzle to RPV Partial Penetration Weld
Work Order: 4230314

Exam Method: VT-2
Results: Accept
Report No.: VE-03-543

Comments / Corrective Measures:
Performed in conjunction with Class 1 System Leakage Test.

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
 2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
 3. Plant Unit: 1

4. Commerical Service Date: July, 1974
 5. Owner Certification of Authorization: N/A
 6. National Board Number: 20762

Tuesday, June 17, 2003

Summary No.: B4.12.46-23	Component ID: CRD 46-23	Exam Method: VT-2	Comments / Corrective Measures:			
Class: 1 System: NB	Description: CRD Nozzle to RPV Partial Penetration Weld	Results: Accept	Performed in conjunction with Class 1 System Leakage Test.			
Work Order: 4230314		Report No.: VE-03-544				
Summary No.: B4.12.46-31	Component ID: CRD 46-31	Exam Method: VT-2	Comments / Corrective Measures:			
Class: 1 System: NB	Description: CRD Nozzle to RPV Partial Penetration Weld	Results: Accept	Performed in conjunction with Class 1 System Leakage Test.			
Work Order: 4230314		Report No.: VE-03-545				
Summary No.: B4.12.46-43	Component ID: CRD 46-43	Exam Method: VT-2	Comments / Corrective Measures:			
Class: 1 System: NB	Description: CRD Nozzle to RPV Partial Penetration Weld	Results: Accept	Performed in conjunction with Class 1 System Leakage Test.			
Work Order: 4230314		Report No.: VE-03-546				
<table><tr><td>Item No.:</td><td>B4.13</td><td>Equal: 6</td></tr></table>				Item No.:	B4.13	Equal: 6
Item No.:	B4.13	Equal: 6				
Summary No.: B4.13.20-45	Component ID: INCORE 20-45	Exam Method: VT-2	Comments / Corrective Measures:			
Class: 1 System: NB	Description: Incore Monitoring LPRM Nozzle Reactor Vessel Partial Penetration Weld	Results: Accept	Performed in conjunction with Class 1 System Leakage Test.			
Work Order: 4230314		Report No.: VE-03-547				
Summary No.: B4.13.28-05	Component ID: INCORE 28-05	Exam Method: VT-2	Comments / Corrective Measures:			
Class: 1 System: NB	Description: Incore Monitoring LPRM Nozzle Reactor Vessel Partial Penetration Weld	Results: Accept	Performed in conjunction with Class 1 System Leakage Test.			
Work Order: 4230314		Report No.: VE-03-548				
Summary No.: B4.13.28-45	Component ID: INCORE 28-45	Exam Method: VT-2	Comments / Corrective Measures:			
Class: 1 System: NB	Description: Incore Monitoring LPRM Nozzle Reactor Vessel Partial Penetration Weld	Results: Accept	Performed in conjunction with Class 1 System Leakage Test.			
Work Order: 4230314		Report No.: VE-03-549				
Summary No.: B4.13.36-05	Component ID: INCORE 36-05	Exam Method: VT-2	Comments / Corrective Measures:			
Class: 1 System: NB	Description: Incore Monitoring LPRM Nozzle Reactor Vessel Partial Penetration Weld	Results: Accept	Performed in conjunction with Class 1 System Leakage Test.			
Work Order: 4230314		Report No.: VE-03-550				
Summary No.: B4.13.N12A	Component ID: NVE-BE-N12A	Exam Method: VT-2	Comments / Corrective Measures:			
Class: 1 System: NB	Description: Instrumentation Nozzle Reactor Vessel Partial Penetration Weld	Results: Accept	Performed in conjunction with Class 1 System Leakage Test.			
Work Order: 4230314		Report No.: VE-03-552				
Summary No.: B4.13.N12B	Component ID: NVE-BE-N12B	Exam Method: VT-2	Comments / Corrective Measures:			
Class: 1 System: NB	Description: Instrumentation Nozzle Reactor Vessel Partial Penetration Weld	Results: Accept	Performed in conjunction with Class 1 System Leakage Test.			
Work Order: 4230314		Report No.: VE-03-553				

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Category:	B-G-1	Equal:	32
Item No.:	B6.10	Equal:	16

Summary No.:	B6.10.0037	Component ID:	PRB-BG1-37	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Head Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-195	
Summary No.:	B6.10.0038	Component ID:	PRB-BG1-38	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-196	
Summary No.:	B6.10.0039	Component ID:	PRB-BG1-39	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-197	
Summary No.:	B6.10.0040	Component ID:	PRB-BG1-40	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-198	
Summary No.:	B6.10.0041	Component ID:	PRB-BG1-41	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-199	
Summary No.:	B6.10.0042	Component ID:	PRB-BG1-42	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-200	
Summary No.:	B6.10.0043	Component ID:	PRB-BG1-43	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-201	
Summary No.:	B6.10.0044	Component ID:	PRB-BG1-44	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-202	
Summary No.:	B6.10.0045	Component ID:	PRB-BG1-45	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-203	
Summary No.:	B6.10.0046	Component ID:	PRB-BG1-46	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-204	
Summary No.:	B6.10.0047	Component ID:	PRB-BG1-47	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-205	

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.:	B6.10.0048	Component ID:	PRB-BG1-48	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-206	
Summary No.:	B6.10.0049	Component ID:	PRB-BG1-49	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-207	
Summary No.:	B6.10.0050	Component ID:	PRB-BG1-50	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-208	
Summary No.:	B6.10.0051	Component ID:	PRB-BG1-51	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-209	
Summary No.:	B6.10.0052	Component ID:	PRB-BG1-52	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Nut, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-210	
Item No.:	B6.50	Equal:	16			
Summary No.:	B6.50.0037	Component ID:	PRC-BG1-37	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Washer, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-150	
Summary No.:	B6.50.0038	Component ID:	PRC-BG1-38	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Washer, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-151	
Summary No.:	B6.50.0039	Component ID:	PRC-BG1-39	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Washer, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-152	
Summary No.:	B6.50.0040	Component ID:	PRC-BG1-40	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Washer, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-153	
Summary No.:	B6.50.0041	Component ID:	PRC-BG1-41	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Washer, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-154	
Summary No.:	B6.50.0042	Component ID:	PRC-BG1-42	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1 System:	NB	Description:	Reactor Pressure Vessel Closure Washer, one (1) of fifty two (52)	Results:	Accept	
Work Order:	4235637			Report No.:	VE-03-155	

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: B6.50.0043	Component ID: PRC-BG1-43	Exam Method: VT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Reactor Pressure Vessel Closure Washer, one	Results: Accept	
Work Order: 4235637	(1) of fifty two (52)	Report No.: VE-03-158	
Summary No.: B6.50.0044	Component ID: PRC-BG1-44	Exam Method: VT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Reactor Pressure Vessel Closure Washer, one	Results: Accept	
Work Order: 4235637	(1) of fifty two (52)	Report No.: VE-03-157	
Summary No.: B6.50.0045	Component ID: PRC-BG1-45	Exam Method: VT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Reactor Pressure Vessel Closure Washer, one	Results: Accept	
Work Order: 4235637	(1) of fifty two (52)	Report No.: VE-03-158	
Summary No.: B6.50.0046	Component ID: PRC-BG1-46	Exam Method: VT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Reactor Pressure Vessel Closure Washer, one	Results: Accept	
Work Order: 4235637	(1) of fifty two (52)	Report No.: VE-03-159	
Summary No.: B6.50.0047	Component ID: PRC-BG1-47	Exam Method: VT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Reactor Pressure Vessel Closure Washer, one	Results: Accept	
Work Order: 4235637	(1) of fifty two (52)	Report No.: VE-03-160	
Summary No.: B6.50.0048	Component ID: PRC-BG1-48	Exam Method: VT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Reactor Pressure Vessel Closure Washer, one	Results: Accept	
Work Order: 4235637	(1) of fifty two (52)	Report No.: VE-03-161	
Summary No.: B6.50.0049	Component ID: PRC-BG1-49	Exam Method: VT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Reactor Pressure Vessel Closure Washer, one	Results: Accept	
Work Order: 4235637	(1) of fifty two (52)	Report No.: VE-03-162	
Summary No.: B6.50.0050	Component ID: PRC-BG1-50	Exam Method: VT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Reactor Pressure Vessel Closure Washer, one	Results: Accept	
Work Order: 4235637	(1) of fifty two (52)	Report No.: VE-03-163	
Summary No.: B6.50.0051	Component ID: PRC-BG1-51	Exam Method: VT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Reactor Pressure Vessel Closure Washer, one	Results: Accept	
Work Order: 4235637	(1) of fifty two (52)	Report No.: VE-03-164	
Summary No.: B6.50.0052	Component ID: PRC-BG1-52	Exam Method: VT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Reactor Pressure Vessel Closure Washer, one	Results: Accept	
Work Order: 4235637	(1) of fifty two (52)	Report No.: VE-03-165	

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Category:	B-G-2	Equal:	8
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Item No.:	B7.50	Equal:	7
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Summary No.:	B7.50.0001	Component ID:	MSA-BG2-17	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1	System: MS	Description:	Main Run Pipe Flange to Valve Flange Bolting	Results:	Accept	The examination data sheet is Attachment 1 of CNS procedure 3.28.1.
Work Order:	4223304			Report No.:	VE-03-598	
Summary No.:	B7.50.0002	Component ID:	MSA-BG2-22	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1	System: MS	Description:	Main Run Pipe Flange to Valve Flange Bolting	Results:	Accept	
Work Order:	4235683			Report No.:	VE-03-143	
Summary No.:	B7.50.0003	Component ID:	MSA-BG2-27	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1	System: MS	Description:	Main Run Pipe Flange to Valve Flange Bolting	Results:	Accept	
Work Order:	4235683			Report No.:	VE-03-104	
Summary No.:	B7.50.0008	Component ID:	MSD-BG2-17	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1	System: MS	Description:	Main Run Pipe Flange to Valve Flange Bolting	Results:	Accept	
Work Order:	4235683			Report No.:	VE-03-171	
Summary No.:	B7.50.0009	Component ID:	MSD-BG2-22	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1	System: MS	Description:	Main Run Pipe Flange to Valve Flange Bolting	Results:	Accept	
Work Order:	4235683			Report No.:	VE-03-118	
Summary No.:	B7.50.0010	Component ID:	MSD-BG2-27	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1	System: MS	Description:	Main Run Pipe Flange to Valve Flange Bolting	Results:	Accept	
Work Order:	4235683			Report No.:	VE-03-172	
Summary No.:	B7.50.0011	Component ID:	MSD-BG2-31	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1	System: MS	Description:	Main Run Pipe Flange to Valve Flange Bolting	Results:	Accept	
Work Order:	4235683			Report No.:	VE-03-173	
Item No.:	B7.70	Equal:	1			
Summary No.:	B7.70.0025	Component ID:	RF-15-CV	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 1	System: RF	Description:	Valve Body Bolting	Results:	Accept	Examined hinge pin cover studs and nuts. The examination data sheet is Attachment 1 of CNS procedure 3.28.1.1.
Work Order:	4223238			Report No.:	VE-03-624	

Attachment 1, RFO21: Inservice Inspection Report

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

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Category: B-K Equal: 6

Item No.: B10.20 Equal: 3

Summary No.:	B10.20.0049	Component ID:	FWD-BK1-4	Exam Method:	MT	Comments / Corrective Measures:
Class: 1	System: RF	Description:	Hanger Shear Lugs (4 total) 11/2x2x2 inches	Results:	Accept	
Work Order:	4235686		ASTM 515, GR85	Report No.:	VE-03-175	

Summary No.:	B10.20.0025	Component ID:	MSD-BK1-32	Exam Method:	MT	Comments / Corrective Measures:
Class: 1	System: MS	Description:	Lugs (2 total) 1/4x1x9 inches	Results:	Accept	
Work Order:	4235684			Report No.:	VE-03-177	

Summary No.:	B10.20.0055	Component ID:	RHB-BK1-16	Exam Method:	MT	Comments / Corrective Measures:
Class: 1	System: RHR	Description:	Snubber Shear Lugs (4 total)	Results:	Accept	
Work Order:	4235685			Report No.:	VE-03-178	

Item No.: B10.30 Equal: 3

Summary No.:	B10.30.0002	Component ID:	RR-BK1-1B	Exam Method:	PT	Comments / Corrective Measures:
Class: 1	System: RR	Description:	Reactor Recirculation Pump Lug one (1) of 3 (three)	Results:	Accept	
Work Order:	4235633			Report No.:	VE-03-105	

Summary No.:	B10.30.0004	Component ID:	RR-BK1-2B	Exam Method:	PT	Comments / Corrective Measures:
Class: 1	System: RR	Description:	Reactor Recirculation Pump Lug one (1) of 3 (three)	Results:	Accept	
Work Order:	4235633			Report No.:	VE-03-106	

Summary No.:	B10.30.0006	Component ID:	RR-BK1-3B	Exam Method:	PT	Comments / Corrective Measures:
Class: 1	System: RR	Description:	Reactor Recirculation Pump Lug one (1) of 3 (three)	Results:	Accept	
Work Order:	4235633			Report No.:	VE-03-107	

Category: B-M-2 Equal: 3

Item No.: B12.50 Equal: 3

Summary No.:	B12.50.0012	Component ID:	MS-RV-70A-BM2	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 1	System: MSRV	Description:	Valve Body Internal Surfaces	Results:	Accept	Valve Body Group: F The examination data sheet is Attachment 1 of
Work Order:	4223304			Report No.:	VE-03-597	CNS procedure 3.28.1.3.

Summary No.:	B12.50.0017	Component ID:	MS-RV-71C-BM2	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 1	System: MSRV	Description:	Valve Body Internal Surfaces	Results:	Accept	Valve Body Group: G The examination data sheet is Attachment 1 of
Work Order:	4223311			Report No.:	VE-03-623	CNS procedure 3.28.1.3.

Summary No.:	B12.50.0033	Component ID:	RF-13-CV-BM2	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 1	System: RF	Description:	Valve Body Internal Surfaces	Results:	Accept	Valve Body Group: D The examination data sheet is Attachment 1 of
Work Order:	4223237			Report No.:	VE-03-596	CNS procedure 3.28.1.3.

Attachment 1, RFO21: Inservice Inspection Report

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

3. Plant Unit: 1

4. Commerical Service Date: July, 1974

5. Owner Certification of Authorization: N/A

6. National Board Number: 20762

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Category:	B-N-1	Equal: 1
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Item No.:	B13.10	Equal: 1
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Summary No.: B13.10.0004

Component ID: VES-INTER@180>360

Exam Method: VT-3

Comments / Corrective Measures:

Class: 1 System: NB

Description: RPV Interior Surfaces (One Half RPV Wall
Accessible Areas)

Results: Accept

Examined accessible areas of RPV interior.

Work Order: 4235471

Report No.: VE-03-217

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Category: B-N-2	Equal: 32
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Item No.: B13.40	Equal: 32
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Summary No.: B13.40.GT10-11	Component ID: CRGT-(10-11)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Control Rod Guide Tube	Results: Accept	Examinated accessible surfaces of RPV Core Support Structure. The top edge of the Guide Tube was deformed. The adjacent core plate plug was also damaged. Determine to be the result of a dropped fuel support piece in 1985. Evaluated and found acceptable per Engineering Evaluation EE-03-039. Reference Notifications 10235675 and 10235144.
Work Order: 4235471		Report No.: VE-03-235	
Summary No.: B13.40.GT10-27	Component ID: CRGT-(10-27)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Control Rod Guide Tube	Results: Accept	Examinated accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-236	
Summary No.: B13.40.GT10-43	Component ID: CRGT-(10-43)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Control Rod Guide Tube	Results: Accept	Examinated accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-237	
Summary No.: B13.40.GT18-19	Component ID: CRGT-(18-19)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Control Rod Guide Tube	Results: Accept	Examinated accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-238	
Summary No.: B13.40.GT18-35	Component ID: CRGT-(18-35)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Control Rod Guide Tube	Results: Accept	Examinated accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-239	
Summary No.: B13.40.GT18-39	Component ID: CRGT-(18-39)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Control Rod Guide Tube	Results: Accept	Examinated accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-240	
Summary No.: B13.40.GT28-11	Component ID: CRGT-(28-11)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Control Rod Guide Tube	Results: Accept	Examinated accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-241	
Summary No.: B13.40.GT28-27	Component ID: CRGT-(28-27)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Control Rod Guide Tube	Results: Accept	Examinated accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-242	
Summary No.: B13.40.GT28-43	Component ID: CRGT-(28-43)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Control Rod Guide Tube	Results: Accept	Examinated accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-243	
Summary No.: B13.40.GT34-11	Component ID: CRGT-(34-11)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Control Rod Guide Tube	Results: Accept	Examinated accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-244	

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: B13.40.GT34-19 Class: 1 System: NB Work Order: 4235471	Component ID: CRGT-(34-19) Description: Control Rod Guide Tube	Exam Method: VT-3 Results: Accept Report No.: VE-03-245	Comments / Corrective Measures: Examined accessible surfaces of RPV Core Support Structure.
Summary No.: B13.40.GT34-27 Class: 1 System: NB Work Order: 4235471	Component ID: CRGT-(34-27) Description: Control Rod Guide Tube	Exam Method: VT-3 Results: Accept Report No.: VE-03-246	Comments / Corrective Measures: Examined accessible surfaces of RPV Core Support Structure.
Summary No.: B13.40.GT34-35 Class: 1 System: NB Work Order: 4235471	Component ID: CRGT-(34-35) Description: Control Rod Guide Tube	Exam Method: VT-3 Results: Accept Report No.: VE-03-247	Comments / Corrective Measures: Examined accessible surfaces of RPV Core Support Structure.
Summary No.: B13.40.GT38-31 Class: 1 System: NB Work Order: 4235471	Component ID: CRGT-(38-31) Description: Control Rod Guide Tube	Exam Method: VT-3 Results: Accept Report No.: VE-03-248	Comments / Corrective Measures: Examined accessible surfaces of RPV Core Support Structure.
Summary No.: B13.40.GT42-11 Class: 1 System: NB Work Order: 4235471	Component ID: CRGT-(42-11) Description: Control Rod Guide Tube	Exam Method: VT-3 Results: Accept Report No.: VE-03-250	Comments / Corrective Measures: Examined accessible surfaces of RPV Core Support Structure.
Summary No.: B13.40.GT42-43 Class: 1 System: NB Work Order: 4235471	Component ID: CRGT-(42-43) Description: Control Rod Guide Tube	Exam Method: VT-3 Results: Accept Report No.: VE-03-251	Comments / Corrective Measures: Examined accessible surfaces of RPV Core Support Structure.
Summary No.: B13.40.OF10-11 Class: 1 System: NB Work Order: 4235471	Component ID: OFSC-(10-11) Description: Four Lobed Orificed Fuel Support Casting Assembly	Exam Method: VT-3 Results: Accept Report No.: VE-03-252	Comments / Corrective Measures: Examined accessible surfaces of RPV Core Support Structure.
Summary No.: B13.40.GT42-11 Class: 1 System: NB Work Order: 4235471	Component ID: OFSC-(10-27) Description: Four Lobed Orificed Fuel Support Casting Assembly	Exam Method: VT-3 Results: Accept Report No.: VE-03-249	Comments / Corrective Measures: Examined accessible surfaces of RPV Core Support Structure.
Summary No.: B13.40.OF10-43 Class: 1 System: NB Work Order: 4235471	Component ID: OFSC-(10-43) Description: Four Lobed Orificed Fuel Support Casting Assembly	Exam Method: VT-3 Results: Accept Report No.: VE-03-253	Comments / Corrective Measures: Examined accessible surfaces of RPV Core Support Structure.
Summary No.: B13.40.OF18-19 Class: 1 System: NB Work Order: 4235471	Component ID: OFSC-(18-19) Description: Four Lobed Orificed Fuel Support Casting Assembly	Exam Method: VT-3 Results: Accept Report No.: VE-03-254	Comments / Corrective Measures: Examined accessible surfaces of RPV Core Support Structure.
Summary No.: B13.40.OF18-35 Class: 1 System: NB Work Order: 4235471	Component ID: OFSC-(18-35) Description: Four Lobed Orificed Fuel Support Casting Assembly	Exam Method: VT-3 Results: Accept Report No.: VE-03-255	Comments / Corrective Measures: Examined accessible surfaces of RPV Core Support Structure.
Summary No.: B13.40.OF18-39 Class: 1 System: NB Work Order: 4235471	Component ID: OFSC-(18-39) Description: Four Lobed Orificed Fuel Support Casting Assembly	Exam Method: VT-3 Results: Accept Report No.: VE-03-256	Comments / Corrective Measures: Examined accessible surfaces of RPV Core Support Structure.

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: B13.40.OF26-11	Component ID: OFSC-(26-11)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Four Lobed Orificed Fuel Support Casting Assembly	Results: Accept	Examined accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-257	
Summary No.: B13.40.OF26-27	Component ID: OFSC-(26-27)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Four Lobed Orificed Fuel Support Casting Assembly	Results: Accept	Examined accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-258	
Summary No.: B13.40.OF26-43	Component ID: OFSC-(26-43)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Four Lobed Orificed Fuel Support Casting Assembly	Results: Accept	Examined accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-259	
Summary No.: B13.40.OF34-11	Component ID: OFSC-(34-11)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Four Lobed Orificed Fuel Support Casting Assembly	Results: Accept	Examined accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-260	
Summary No.: B13.40.OF34-19	Component ID: OFSC-(34-19)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Four Lobed Orificed Fuel Support Casting Assembly	Results: Accept	Examined accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-261	
Summary No.: B13.40.OF34-27	Component ID: OFSC-(34-27)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Four Lobed Orificed Fuel Support Casting Assembly	Results: Accept	Examined accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-262	
Summary No.: B13.40.OF34-35	Component ID: OFSC-(34-35)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Four Lobed Orificed Fuel Support Casting Assembly	Results: Accept	Examined accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-263	
Summary No.: B13.40.OF38-31	Component ID: OFSC-(38-31)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Four Lobed Orificed Fuel Support Casting Assembly	Results: Accept	Examined accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-264	
Summary No.: B13.40.OF42-11	Component ID: OFSC-(42-11)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Four Lobed Orificed Fuel Support Casting Assembly	Results: Accept	Examined accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-265	
Summary No.: B13.40.OF42-43	Component ID: OFSC-(42-43)	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NB	Description: Four Lobed Orificed Fuel Support Casting Assembly	Results: Accept	Examined accessible surfaces of RPV Core Support Structure.
Work Order: 4235471		Report No.: VE-03-266	

Attachment 1, RFO21: Inservice Inspection Report

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commercial Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

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Tuesday, June 17, 2003

Category:	B-O	Equal:	4
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Item No.:	B14.10	Equal:	4
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Summary No.:	B14.10.22-51-1	Component ID:	CRD-22-51-1	Exam Method:	PT	Comments / Corrective Measures:
Class: 1	System: CRD	Description:	Control Rod Drive Housing to Flange	Results:	Accept	
Work Order:	4235636			Report No.:	VE-03-108	
Summary No.:	B14.10.26-03-1	Component ID:	CRD-26-03-1	Exam Method:	PT	Comments / Corrective Measures:
Class: 1	System: CRD	Description:	Control Rod Drive Housing to Flange	Results:	Accept	
Work Order:	4235636			Report No.:	VE-03-110	
Summary No.:	B14.10.26-51-1	Component ID:	CRD-26-51-1	Exam Method:	PT	Comments / Corrective Measures:
Class: 1	System: CRD	Description:	Control Rod Drive Housing to Flange	Results:	Accept	
Work Order:	4235636			Report No.:	VE-03-111	
Summary No.:	B14.10.30-03-1	Component ID:	CRD-30-03-1	Exam Method:	PT	Comments / Corrective Measures:
Class: 1	System: CRD	Description:	Control Rod Drive Housing to Flange	Results:	Accept	
Work Order:	4235636			Report No.:	VE-03-109	

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 197
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Category: B-P Equal: 7

Item No.: B15.10 Equal: 2

Summary No.: B15.10.RPV.SLT01	Component ID: RPV.PRB.SLT	Exam Method: VT-2	Comments / Corrective Measures:
Class: 1 System: NB	Description: Reactor Pressure Vessel Pressure Retaining Boundary System Leakage Test	Results: Accept	System Leakage Test. Formerly 6.MISC.502.RPV.
Work Order: 4230314		Report No.: VE-03-531	

Summary No.: B15.10.RPV.SLT02	Component ID: VS.HD.FLGSEL.LEK.DETEC	Exam Method: VT-2	Comments / Corrective Measures:
Class: 1 System: NB	Description: RPV Flange Seal Leak Detection System RPV Pressure Retaining Boundary System Leakage Test	Results: Accept	System Leakage Test. Examination performed with reactor refuel cavity flooded. Reference Relief Request PR-04.
Work Order: 4223135		Report No.: VE-03-555	

Item No.: B15.50 Equal: 2

Summary No.: B15.50.PIPE.SLT01	Component ID: PIPE.PRB.SLT	Exam Method: VT-2	Comments / Corrective Measures:
Class: 1 System: NB	Description: Piping Pressure Retaining Boundary System Leakage Test	Results: Accept	System Leakage Test. Formerly 6.MISC.502.PIPE
Work Order: 4230314		Report No.: VE-03-532	

Summary No.: B15.50.PIPE.SLT02	Component ID: VS.HD.FLGSEL.LEK.DETEC	Exam Method: VT-2	Comments / Corrective Measures:
Class: 1 System: NB	Description: RPV Flange Seal Leak Detection System Piping Pressure Retaining Boundary System Leakage Test	Results: Accept	System Leakage Test. Examination performed with Reactor refuel cavity flooded. Reference Relief Request PR-04.
Work Order: 4223135		Report No.: VE-03-556	

Item No.: B15.60 Equal: 1

Summary No.: B15.60.PUMP.SLT01	Component ID: PUMP.PRB.SLT	Exam Method: VT-2	Comments / Corrective Measures:
Class: 1 System: NB	Description: Pumps Pressure Retaining Boundary System Leakage Test	Results: Accept	System Leakage Test. Formerly 6.MISC.502.PMP.
Work Order: 4230314		Report No.: VE-03-533	

Item No.: B15.70 Equal: 2

Summary No.: B15.70.VALVE.SLT01	Component ID: VALVE.PRB.SLT	Exam Method: VT-2	Comments / Corrective Measures:
Class: 1 System: NB	Description: Valves Pressure Retaining Boundary System Leakage Test	Results: Accept	System Leakage Test. Formerly 6.MISC.502.VAL.
Work Order: 4230314		Report No.: VE-03-534	

Summary No.: B15.70.VALVE.SLT02	Component ID: VS.HD.FLGSEL.LEK.DETEC	Exam Method: VT-2	Comments / Corrective Measures:
Class: 1 System: NB	Description: RPV Flange Seal Leak Detection System Valves Pressure Retaining Boundary System Leakage Test	Results: Accept	System Leakage Test. Examination performed with Reactor refuel cavity flooded. Reference Relief Request PR-04.
Work Order: 4223135		Report No.: VE-03-557	

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Category:	C-A	Equal: 2
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Item No.:	C1.10	Equal: 2
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Summary No.:	C1.10.0002	Component ID:	RHR-CA-3A	Exam Method:	VT-1	Comments / Corrective Measures:
Class: 2	System: RHR	Description:	Distributor Ring End Bottom to Shell Flange	Results:	Accept	Per Relief Request RI-05 a VT-2 examination of this component will be conducted during performance of category C-H 40 month system pressure test and 120 month system hydrostatic test per surveillance procedure 6.1RHR.501. Reference Inspection Period 2 Surveillance Work Order 4185633. Surveillance procedure 6.1RHR.501 will also be conducted for Inspection Period 3, post RFO21.
Work Order:	4235397			Report No.:	VE-03-094	

Summary No.:	C1.10.0004	Component ID:	RHR-CA-5A	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: 2	System: RHR	Description:	Distributor Ring to Distributor Ring End Bottom	Results:	Accept	
Work Order:	4235397			Report No.:	VE-03-092	

Category:	C-B	Equal: 2
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Item No.:	C2.31	Equal: 2
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Summary No.:	C2.31.0001	Component ID:	RHR-CB-3A	Exam Method:	MT	Comments / Corrective Measures:
Class: 2	System: RHR	Description:	Reinforcement Plate to Nozzle	Results:	Accept	
Work Order:	4235397			Report No.:	VE-03-529	

Summary No.:	C2.31.0002	Component ID:	RHR-CB-4A	Exam Method:	MT	Comments / Corrective Measures:
Class: 2	System: RHR	Description:	Distributor Ring to Reinforcement Plate	Results:	Accept	
Work Order:	4235397			Report No.:	VE-03-530	

Attachment 1, RFO21: Inservice Inspection Report

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

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Category: C-C	Equal: 11
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Item No.: C3.20	Equal: 5
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Summary No.: C3.20.0001	Component ID: CSA-CC-10	Exam Method: MT	Comments / Corrective Measures:
Class: 2 System: CS	Description: Stanchions	Results: Accept	One (1) of four (4) Additional examinations per IWC-2430 (a). Reference
Work Order: 4296827		Report No.: VE-03-180	Summary Number C3.30.0002, Component CS-PB-A1, Notification 10225272, and Work Order 4296827.

Summary No.: C3.20.0012	Component ID: CSB-CC-32	Exam Method: MT	Comments / Corrective Measures:
Class: 2 System: CS	Description: Plate	Results: Accept	One (1) of four (4) Additional examinations per IWC-2430 (a). Reference
Work Order: 4296828		Report No.: VE-03-102	Summary Number C3.30.0002, Component CS-PB-A1, Notification 10225272, and Work Order 4296828. Recordable Indication that was acceptable per IWC-3512. No additional examinations required per IWC-2430 (b), reference Notification 10232632.

Summary No.: C3.20.0015	Component ID: CSB-CC-57	Exam Method: MT	Comments / Corrective Measures:
Class: 2 System: CS	Description: Elbow Lug	Results: Accept	One (1) of four (4) Additional examinations per IWC-2430 (a). Reference
Work Order: 4296828		Report No.: VE-03-119	Summary Number C3.30.0002, Component CS-PB-A1, Notification 10225272, and Work Order 4296828.

Summary No.: C3.20.0072	Component ID: RHB-CC-53	Exam Method: MT	Comments / Corrective Measures:
Class: 2 System: RHR	Description: Elbow to Lug	Results: Accept	
Work Order: 4235682		Report No.: VE-03-147	

Summary No.: C3.20.0090	Component ID: RPC-CC-10	Exam Method: MT	Comments / Corrective Measures:
Class: 2 System: RHR	Description: Stanchion Integrally Welded Attachment	Results: Accept	
Work Order: 4235681		Report No.: VE-03-179	

Item No.: C3.30	Equal: 6
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Summary No.: C3.30.0001	Component ID: CS-PA-A1	Exam Method: PT	Comments / Corrective Measures:
Class: 2 System: CS	Description: Pump Support Integrally Welded Attachment	Results: Accept	One (1) of four (4) Additional examinations per IWC-2430 (a). Reference
Work Order: 4296827		Report No.: VE-03-185	Summary Number C3.30.0002, Component CS-PB-A1, Notification 10225272, and Work Order 4296827. 100 Percent of required examination area coverage obtained by combined performance of two (2) NDE methods.

Summary No.: C3.30.0001	Component ID: CS-PA-A1	Exam Method: MT	Comments / Corrective Measures:
Class: 2 System: CS	Description: Pump Support Integrally Welded Attachment	Results: Accept	One (1) of four (4) Additional examinations per IWC-2430 (a). Reference
Work Order: 4296827		Report No.: VE-03-184	Summary Number C3.30.0002, Component CS-PB-A1, Notification 10225272, and Work Order 4296827. 100 Percent of required examination area coverage obtained by combined performance of two (2) NDE methods.

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

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Summary No.: Class: 2 System: CS Work Order: 4235408	Component ID: CS-PB-A1 Description: Pump Support Integrally Welded Attachment	Exam Method: PT Results: Reject Report No.: VE-03-100	Comments / Corrective Measures: 100 Percent of required examination area coverage obtained by combined performance of two (2) NDE methods. Recordable Indication by PT method on gusset number nine (9), reference Notification 10225272. Work scope expanded by four (4) additional examinations as required per IWC-2430 (a), reference Work Orders 4296827 and 4296828.						
Summary No.: C3.30.0002 Class: 2 System: CS Work Order: 4235408	Component ID: CS-PB-A1 Description: Pump Support Integrally Welded Attachment	Exam Method: MT Results: Accept Report No.: VE-03-099	Comments / Corrective Measures: 100 Percent of required examination area coverage obtained by combined performance of two (2) NDE methods. Recordable Indication by PT method on gusset number nine (9), reference Notification 10225272. Work scope expanded by four (4) additional examinations as required per IWC-2430 (a), reference Work Orders 4296827 and 4296828.						
Summary No.: C3.30.0003 Class: 2 System: RHR Work Order: 4235681	Component ID: RHR-PA-A1 Description: Pump Support Integrally Welded Attachment	Exam Method: MT Results: Accept Report No.: VE-03-181	Comments / Corrective Measures: Complete coverage of accessible examination areas obtained by combined performance of two (2) NDE methods. Reference Relief Rquest RI-18.						
Summary No.: C3.30.0003 Class: 2 System: RHR Work Order: 4235681	Component ID: RHR-PA-A1 Description: Pump Support Integrally Welded Attachment	Exam Method: PT Results: Accept Report No.: VE-03-182	Comments / Corrective Measures: Complete coverage of accessible examination areas obtained by combined performance of two (2) NDE methods. Reference Relief Rquest RI-18.						
<table><tr><td>Category:</td><td>C-G</td><td>Equal: 2</td></tr><tr><td>Item No.:</td><td>C6.20</td><td>Equal: 2</td></tr></table>				Category:	C-G	Equal: 2	Item No.:	C6.20	Equal: 2
Category:	C-G	Equal: 2							
Item No.:	C6.20	Equal: 2							
Summary No.: C6.20.0015 Class: 2 System: PNC Work Order: 4235680	Component ID: PNC-CG-36A Description: Valve Body Weld	Exam Method: PT Results: Accept Report No.: VE-03-174	Comments / Corrective Measures:						
Summary No.: C6.20.0016 Class: 2 System: PNC Work Order: 4235680	Component ID: PNC-CG-36B Description: Valve Body Weld	Exam Method: PT Results: Accept Report No.: VE-03-148	Comments / Corrective Measures:						

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
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4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Category: C-H Equal: 3

Item No.: C7.10 Equal: 1

Summary No.: C7.10.CRD.PV.SPT01	Component ID: CRD.PV.PRB.SPT	Exam Method: VT-2	Comments / Corrective Measures:
Class: 2 System: CRD	Description: Pressure Vessels Pressure Retaining Boundary	Results: Accept	Performed in conjunction with Class 1 System Leakage Test.
Work Order: 4230314	System Pressure Test	Report No.: VE-03-599	

Item No.: C7.30 Equal: 1

Summary No.: C7.30.CRD.PIPE.SPT01	Component ID: CRD.PIPE.PRB.SPT	Exam Method: VT-2	Comments / Corrective Measures:
Class: 2 System: CRD	Description: Piping Pressure Retaining Boundary System	Results: Accept	Performed in conjunction with Class 1 System Leakage Test.
Work Order: 4230314	Pressure Test	Report No.: VE-03-600	

Item No.: C7.70 Equal: 1

Summary No.: C7.70.CRD.VALVE.SPT01	Component ID: CRD.VALVE.PRB.SPT	Exam Method: VT-2	Comments / Corrective Measures:
Class: 2 System: CRD	Description: Valves Pressure Retaining Boundary System	Results: Accept	Performed in conjunction with Class 1 System Leakage Test.
Work Order: 4230314	Pressure Test	Report No.: VE-03-601	

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
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4. Commerical Service Date: July, 1974
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6. National Board Number: 20762

Tuesday, June 17, 2003

Category: D-A	Equal: 10
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Item No.: D1.10	Equal: 6
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Summary No.: D1.10.0013	Component ID: REC-HXA-A1	Exam Method: VT-1	Comments / Corrective Measures:
Class: 3 System: REC	Description: Vessel Support (heat exchanger) Integrally Welded Attachment	Results: Accept	
Work Order: 4235405		Report No.: VE-03-101	

Summary No.: D1.10.0014	Component ID: REC-HXA-A2	Exam Method: VT-1	Comments / Corrective Measures:
Class: 3 System: REC	Description: Vessel Support (heat exchanger) Integrally Welded Attachment	Results: Accept	
Work Order: 4235405		Report No.: VE-03-010	

Summary No.: D1.10.0015	Component ID: REC-HXA-A3	Exam Method: VT-1	Comments / Corrective Measures:
Class: 3 System: REC	Description: Vessel Support (heat exchanger) Integrally Welded Attachment	Results: Accept	
Work Order: 4235405		Report No.: VE-03-011	

Summary No.: D1.10.0016	Component ID: REC-HXA-A4	Exam Method: VT-1	Comments / Corrective Measures:
Class: 3 System: REC	Description: Vessel Support (heat exchanger) Integrally Welded Attachment	Results: Accept	
Work Order: 4235405		Report No.: VE-03-012	

Summary No.: D1.10.0023	Component ID: SW-STRA-A1	Exam Method: VT-1	Comments / Corrective Measures:
Class: 3 System: SW	Description: Vessel Support (Strainer) Integrally Welded Attachment	Results: Accept	
Work Order: 4235399		Report No.: VE-03-095	

Summary No.: D1.10.0025	Component ID: VR-DA-1	Exam Method: VT-1	Comments / Corrective Measures:
Class: 3 System: MSRV	Description: Lugs (8 total) 3/4x2x3 1/2	Results: Accept	
Work Order: 4235684		Report No.: VE-03-149	

Item No.: D1.20	Equal: 3
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Summary No.: D1.20.0084	Component ID: SW-DB-178	Exam Method: VT-1	Comments / Corrective Measures:
Class: 3 System: SW	Description: Lugs (4 total) 2x2x1 1/2 Integrally Welded Attachment	Results: Accept	
Work Order: 4235406		Report No.: VE-03-007	

Summary No.: D1.20.0050	Component ID: SW-DB-45	Exam Method: VT-1	Comments / Corrective Measures:
Class: 3 System: SW	Description: Elbow Lug Integrally Welded Attachment	Results: Accept	
Work Order: 4235395		Report No.: VE-03-056	

Summary No.: D1.20.0051	Component ID: SW-DB-46	Exam Method: VT-1	Comments / Corrective Measures:
Class: 3 System: SW	Description: Stanchion Integrally Welded Attachment	Results: Accept	
Work Order: 4235395		Report No.: VE-03-055	

Item No.: D1.30	Equal: 1
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Summary No.: D1.30.0004	Component ID: SW-PD-A1	Exam Method: VT-1	Comments / Corrective Measures:
Class: 3 System: SW	Description: Pump Support Integrally Welded Attachment	Results: 0	The examination data sheet is Attachment 1 of CNS procedure 3.28.1.3
Work Order: 4235402		Report No.: VE-03-215	

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Category:	E-A	Equal: 26
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Item No.:	E1.11	Equal: 2
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Summary No.:	E1.11.0001	Component ID:	DW	Exam Method:	VT-G	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Drywell Containment Vessel Shell Accessible Surface Areas	Results:	Accept	General Visual Examination performed on the Drywell Containment Vessel Shell (Drywell) accessible surface areas.
Work Order:	4236136			Report No.:	VE-03-594	

Summary No.:	E1.11.0002	Component ID:	SP	Exam Method:	VT-G	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Suppression Chamber Containment Shell Accessible Surface Areas	Results:	Accept	General Visual Examination performed on the Suppression Chamber Containment Shell (Torus) accessible exterior surface areas and interior surface areas about the waterline.
Work Order:	4236136			Report No.:	VE-03-595	

Item No.:	E1.12	Equal: 22
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Summary No.:	E1.12.0049	Component ID:	B10-SDL-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 10 Saddle Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-186	

Summary No.:	E1.12.0050	Component ID:	B10-SPT-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 10 Support Column Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-124	

Summary No.:	E1.12.0054	Component ID:	B11-SDL-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 11 Saddle Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-121	

Summary No.:	E1.12.0055	Component ID:	B11-SPT-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 11 Support Column Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-142	

Summary No.:	E1.12.0059	Component ID:	B12-SDL-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 12 Saddle Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-123	

Summary No.:	E1.12.0060	Component ID:	B12-SPT-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 12 Support Column Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-122	

Summary No.:	E1.12.0064	Component ID:	B13-SDL-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 13 Saddle Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-125	

Summary No.:	E1.12.0065	Component ID:	B13-SPT-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 13 Support Column Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-126	

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.:	E1.12.0069	Component ID:	B14-SDL-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 14 Saddle Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-130	
Summary No.:	E1.12.0070	Component ID:	B14-SPT-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 14 Support Column Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-129	
Summary No.:	E1.12.0074	Component ID:	B15-SDL-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 15 Saddle Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-132	
Summary No.:	E1.12.0075	Component ID:	B15-SPT-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 15 Support Column Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-131	
Summary No.:	E1.12.0079	Component ID:	B16-SDL-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 16 Saddle Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-134	
Summary No.:	E1.12.0080	Component ID:	B16-SPT-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 16 Support Column Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-133	
Summary No.:	E1.12.0029	Component ID:	B6-SDL-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 6 Saddle Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-120	
Summary No.:	E1.12.0030	Component ID:	B6-SPT-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 6 Support Column Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-128	
Summary No.:	E1.12.0034	Component ID:	B7-SDL-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 7 Saddle Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-135	
Summary No.:	E1.12.0035	Component ID:	B7-SPT-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 7 Support Column Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-127	
Summary No.:	E1.12.0039	Component ID:	B8-SDL-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 8 Saddle Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-139	
Summary No.:	E1.12.0040	Component ID:	B8-SPT-ATT	Exam Method:	VT-3	Comments / Corrective Measures:
Class: MC System:	PC	Description:	Bay 8 Support Column Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.
Work Order:	4236137			Report No.:	VE-03-138	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commercial Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.:	E1.12.0044	Component ID:	B9-SDL-ATT	Exam Method:	VT-3	Comments / Corrective Measures:								
Class: MC System:	PC	Description:	Bay 9 Saddle Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.								
Work Order:	4236137			Report No.:	VE-03-137									
Summary No.:	E1.12.0045	Component ID:	B9-SPT-ATT	Exam Method:	VT-3	Comments / Corrective Measures:								
Class: MC System:	PC	Description:	Bay 9 Support Column Attachment Welds Including Adjacent Exterior Surface Areas	Results:	Accept	Examined integral attachment welds and accessible adjacent exterior surface areas.								
Work Order:	4236137			Report No.:	VE-03-138									
<table><tr><td>Item No.:</td><td>E1.20</td><td>Equal:</td><td>2</td></tr></table>							Item No.:	E1.20	Equal:	2				
Item No.:	E1.20	Equal:	2											
Summary No.:	E1.20.0083	Component ID:	X201C-EB	Exam Method:	VT-3	Comments / Corrective Measures:								
Class: MC System:	PC	Description:	Vent Line Expansion Bellows Bay 6	Results:	Accept	Examined accessible surface areas.								
Work Order:	4236137			Report No.:	VE-03-140									
Summary No.:	E1.20.0084	Component ID:	X201D-EB	Exam Method:	VT-3	Comments / Corrective Measures:								
Class: MC System:	PC	Description:	Vent Line Expansion Bellows Bay 8	Results:	Accept	Examined accessible surface areas.								
Work Order:	4236137			Report No.:	VE-03-141									
<table><tr><td>Category:</td><td>E-G</td><td>Equal:</td><td>5</td></tr></table> <table><tr><td>Item No.:</td><td>E8.10</td><td>Equal:</td><td>5</td></tr></table>							Category:	E-G	Equal:	5	Item No.:	E8.10	Equal:	5
Category:	E-G	Equal:	5											
Item No.:	E8.10	Equal:	5											
Summary No.:	E8.10.0001	Component ID:	DW-FLG-BLT	Exam Method:	VT-1	Comments / Corrective Measures:								
Class: MC System:	PC	Description:	Drywell Head Flange Bolting	Results:	Accept	Examined all visible surfaces. Relevant Indications on four (4) bolts and one (1) washer. The indications consisted of one washer with gouge, one bolt with arc strike, one bolt with significant necking, one with galling on shaft, and one bolt with machining chatter on threads. Three of the bolts were replaced (Work Order 4223196). Civil Design Engineering evaluated and found the washer with gouge and bolt with arc strike to be acceptable (Reference Notification 10235927). Since, 100% of the drywell head flange bolting were examined no additional examinations were performed.								
Work Order:	4236137			Report No.:	VE-03-216									
Summary No.:	E8.10.0020	Component ID:	X200B-BLT	Exam Method:	VT-1	Comments / Corrective Measures:								
Class: MC System:	PC	Description:	Suppression Pool Manway Flange Bolting	Results:	Accept	Examined all visible surfaces.								
Work Order:	4236137			Report No.:	VE-03-192									
Summary No.:	E8.10.0021	Component ID:	X213A-BLT	Exam Method:	VT-1	Comments / Corrective Measures:								
Class: MC System:	PC	Description:	Torus Drain A Flange Bolting Bay 4	Results:	Accept	Examined all visible surfaces.								
Work Order:	4236137			Report No.:	VE-03-187									
Summary No.:	E8.10.0022	Component ID:	X213B-BLT	Exam Method:	VT-1	Comments / Corrective Measures:								
Class: MC System:	PC	Description:	Torus Drain B Flange Bolting Bay 12	Results:	Accept	Examined all visible surfaces.								
Work Order:	4236137			Report No.:	VE-03-190									
Summary No.:	E8.10.0017	Component ID:	X4-BLT	Exam Method:	VT-1	Comments / Corrective Measures:								
Class: MC System:	PC	Description:	Drywell Head Manway Bolting	Results:	Accept	Examined all visible surfaces.								
Work Order:	4236137			Report No.:	VE-03-191									

Attachment 1, RFO21: Inservice Inspection Report

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
 2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
 3. Plant Unit: 1

4. Commerical Service Date: July, 1974
 5. Owner Certification of Authorization: N/A
 6. National Board Number: 20762

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Category: F-A Equal: 50

Item No.: F1.10.A Equal: 5

Summary No.: F1.10.A.0012	Component ID: CUH-220	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: RWCU	Description: Rod Hanger	Results: Accept	
Work Order: 4235687		Report No.: VE-03-113	

Summary No.: F1.10.A.0014	Component ID: CUH-222	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: RWCU	Description: Rod Hanger	Results: Accept	
Work Order: 4235687		Report No.: VE-03-212	

Summary No.: F1.10.A.0010	Component ID: RHS-7	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: RHR	Description: Sway Strut	Results: Accept	
Work Order: 4235685		Report No.: VE-03-145	

Summary No.: F1.10.A.0004	Component ID: RRH-20	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NBDR	Description: Restraint Box Frame	Results: Accept	
Work Order: 4235687		Report No.: VE-03-114	

Summary No.: F1.10.A.0005	Component ID: RRH-20A	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: NBDR	Description: Restraint Box Frame	Results: Accept	
Work Order: 4235687		Report No.: VE-03-115	

Item No.: F1.10.B Equal: 2

Summary No.: F1.10.B.0001	Component ID: MS-GA1	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: MS	Description: Restraint Structural Frame	Results: Accept	
Work Order: 4235684		Report No.: VE-03-167	

Summary No.: F1.10.B.0003	Component ID: MS-GC1	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: MS	Description: Restraint Structural Frame	Results: Accept	
Work Order: 4235684		Report No.: VE-03-168	

Item No.: F1.10.C Equal: 2

Summary No.: F1.10.C.0037	Component ID: RFH-64	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: RF	Description: Constant Support	Results: Accept	
Work Order: 4235686		Report No.: VE-03-189	

Summary No.: F1.10.C.0063	Component ID: RHH-122	Exam Method: VT-3	Comments / Corrective Measures:
Class: 1 System: RHR	Description: Variable Spring Can	Results: Accept	
Work Order: 4235685		Report No.: VE-03-214	

Item No.: F1.20.A Equal: 11

Summary No.: F1.20.A.0137	Component ID: CRD-2S	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: SDV	Description: Rod Hanger Pipe Roll	Results: Accept	Remote examination using a "Everest VIT" camera system.
Work Order: 4235691		Report No.: VE-03-103	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
 2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
 3. Plant Unit: 1

4. Commerical Service Date: July, 1974
 5. Owner Certification of Authorization: N/A
 6. National Board Number: 20762

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Summary No.: F1.20.A.0148	Component ID: CRD-8N	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: SDV	Description: Rod Hanger Pipe Roll	Results: Accept	Remote examination using a "Everest VIT" camera system.
Work Order: 4235690		Report No.: VE-03-211	
Summary No.: F1.20.A.0012	Component ID: CSS-10	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: CS	Description: Rigid Strut	Results: Accept	Remote examination using a "Everest VIT" camera system.
Work Order: 4235411		Report No.: VE-03-004	
Summary No.: F1.20.A.0061	Component ID: MSS-17	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: MS	Description: Rigid Strut	Results: Accept	
Work Order: 4235688		Report No.: VE-03-528	
Summary No.: F1.20.A.0049	Component ID: MSS-6	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: MS	Description: Stanchion	Results: Accept	
Work Order: 4235688		Report No.: VE-03-170	
Summary No.: F1.20.A.0050	Component ID: MSS-8	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: MS	Description: Rigid Strut	Results: Accept	Remote examination using a "Everest VIT" camera system.
Work Order: 4235688		Report No.: VE-03-169	
Summary No.: F1.20.A.0084	Component ID: RCH-34	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: RCIC	Description: Sway Strut	Results: Accept	
Work Order: 4235442		Report No.: VE-03-003	
Summary No.: F1.20.A.0030	Component ID: RFH-56	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: HPCI	Description: Sway Strut	Results: Accept	
Work Order: 4235689		Report No.: VE-03-166	
Summary No.: F1.20.A.0091	Component ID: RHH-5	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: RHR	Description: Stanchion	Results: Accept	
Work Order: 4235681		Report No.: VE-03-146	
Summary No.: F1.20.A.0092	Component ID: RHH-5A	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: RHR	Description: Restraint Structural Frame	Results: Accept	
Work Order: 4235681		Report No.: VE-03-213	
Summary No.: F1.20.A.0093	Component ID: RHH-6	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: RHR	Description: Stanchion	Results: Accept	
Work Order: 4235681		Report No.: VE-03-144	
Item No.: F1.20.B	Equal: 5		
Summary No.: F1.20.B.0011	Component ID: CSB-WR-2	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: CS	Description: Rigid Brace	Results: Accept	
Work Order: 4235408		Report No.: VE-03-096	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
 2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
 3. Plant Unit: 1

4. Commerical Service Date: July, 1974
 5. Owner Certification of Authorization: N/A
 6. National Board Number: 20762

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Summary No.: F1.20.B.0024	Component ID: MSH-107A	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: MS	Description: Sway Strut	Results: Accept	
Work Order: 4235688		Report No.: VE-03-112	
Summary No.: F1.20.B.0047	Component ID: RHH-93	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: RHR	Description: Restraint Box Frame	Results: Accept	
Work Order: 4235682		Report No.: VE-03-176	
Summary No.: F1.20.B.0054	Component ID: RHR-X-225C	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: RHR	Description: Rigid Brace	Results: Accept	
Work Order: 4235443		Report No.: VE-03-060	
Summary No.: F1.20.B.0031	Component ID: RWA-X-224	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: RCIC	Description: Rigid Brace	Results: Accept	
Work Order: 4235442		Report No.: VE-03-009	
Item No.: F1.20.C Equal: 5			
Summary No.: F1.20.C.0007	Component ID: CSH-12	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: CS	Description: Constant Support	Results: Accept	Remote examination using a "Everest VIT" camera system.
Work Order: 4235408		Report No.: VE-03-097	
Summary No.: F1.20.C.0023	Component ID: MSH-98	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: MS	Description: Variable Spring	Results: Accept	Remote examination using a "Everest VIT" camera system.
Work Order: 4235688		Report No.: VE-03-188	
Summary No.: F1.20.C.0079	Component ID: RHH-45	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: RHR	Description: Variable Spring	Results: Reject	
Work Order: 4235443		Report No.: VE-03-059	
Summary No.: F1.20.C.0087	Component ID: RHH-55	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: RHR	Description: Variable Spring	Results: Accept	
Work Order: 4235443		Report No.: VE-03-057	
Summary No.: F1.20.C.0100	Component ID: RHH-90	Exam Method: VT-3	Comments / Corrective Measures:
Class: 2 System: RHR	Description: Variable Spring Can	Results: Accept	
Work Order: 4235682		Report No.: VE-03-193	
Item No.: F1.30.A Equal: 8			
Summary No.: F1.30.A.0037	Component ID: RCC-H-24A	Exam Method: VT-3	Comments / Corrective Measures:
Class: 3 System: REC	Description: Pipe Support Stanchion	Results: Accept	
Work Order: 4235405		Report No.: VE-03-002	
Summary No.: F1.30.A.0143	Component ID: SW-H-178	Exam Method: VT-3	Comments / Corrective Measures:
Class: 3 System: SW	Description: Rod Hanger Trapeze	Results: Accept	
Work Order: 4235406		Report No.: VE-03-008	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 197

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.:	F1.30.A.0155	Component ID:	SW-H-223	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3 System:	SW	Description:	Rod Hanger	Results:	Accept	
Work Order:	4235409			Report No.:	VE-03-098	
Summary No.:	F1.30.A.0079	Component ID:	SW-H-45	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3 System:	SW	Description:	Rod Hanger	Results:	Accept	
Work Order:	4235395			Report No.:	VE-03-053	
Summary No.:	F1.30.A.0164	Component ID:	SW-S-14	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3 System:	SW	Description:	Restraint Structural Frame	Results:	Accept	
Work Order:	4235395			Report No.:	VE-03-054	
Summary No.:	F1.30.A.0223	Component ID:	SW-S-178A	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3 System:	SW	Description:	Sway Strut	Results:	Accept	
Work Order:	4235408			Report No.:	VE-03-005	
Summary No.:	F1.30.A.0185	Component ID:	SW-S-50	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3 System:	SW	Description:	Sway Strut	Results:	Accept	Successive examination.
Work Order:	4235448			Report No.:	VE-03-017	
Summary No.:	F1.30.A.0201	Component ID:	SW-S-69	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3 System:	SW	Description:	Restraint Structural Frame	Results:	Accept	
Work Order:	4235395			Report No.:	VE-03-052	
Item No.:	F1.30.B	Equal:	2			
Summary No.:	F1.30.B.0048	Component ID:	SW-H-181A	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3 System:	SW	Description:	Sway Strut	Results:	Accept	
Work Order:	4235408			Report No.:	VE-03-008	
Summary No.:	F1.30.B.0038	Component ID:	SW-H-48	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3 System:	SW	Description:	Stanchion	Results:	Accept	
Work Order:	4235395			Report No.:	VE-03-051	
Item No.:	F1.40.A	Equal:	4			
Summary No.:	F1.40.A.0003	Component ID:	REC-HXA-S1	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3 System:	REC	Description:	Vessel Support (heat exchanger)	Results:	Accept	
Work Order:	4235405			Report No.:	VE-03-013	
Summary No.:	F1.40.A.0004	Component ID:	REC-HXA-S2	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3 System:	REC	Description:	Vessel Support (heat exchanger)	Results:	Accept	
Work Order:	4235405			Report No.:	VE-03-014	
Summary No.:	F1.40.A.0005	Component ID:	REC-HXA-S3	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3 System:	REC	Description:	Vessel Support (heat exchanger)	Results:	Accept	
Work Order:	4235405			Report No.:	VE-03-015	

Attachment 1, RFO21: Inservice Inspection Report

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

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Summary No.:	F1.40.A.0006	Component ID:	REC-HXA-S4	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3	System: REC	Description:	Vessel Support (heat exchanger)	Results:	Accept	
Work Order:	4235405			Report No.:	VE-03-016	

Item No.:	F1.40.B	Equal: 3
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Summary No.:	F1.40.B.0002	Component ID:	CS-PB-S1	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 2	System: CS	Description:	Pump Support	Results:	Accept	
Work Order:	4235408			Report No.:	VE-03-058	

Summary No.:	F1.40.B.0010	Component ID:	RHR-PA-S1	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 2	System: RHR	Description:	Pump Support	Results:	Accept	
Work Order:	4235681			Report No.:	VE-03-183	

Summary No.:	F1.40.B.0022	Component ID:	SW-STRA-S1	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 3	System: SW	Description:	Vessel Support (strainer)	Results:	Accept	
Work Order:	4235399			Report No.:	VE-03-093	

Item No.:	F1.40.C	Equal: 3
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Summary No.:	F1.40.C.0001	Component ID:	RR-H5-B	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 1	System: RR	Description:	Constant Support Pump Trapeze	Results:	Accept	
Work Order:	4235633			Report No.:	VE-03-116	

Summary No.:	F1.40.C.0003	Component ID:	RR-H6-B	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 1	System: RR	Description:	Constant Support Pump	Results:	Accept	
Work Order:	4235633			Report No.:	VE-03-117	

Summary No.:	F1.40.C.0002	Component ID:	RR-H7-B	Exam Method:	VT-3	Comments / Corrective Measures:
Class: 1	System: RR	Description:	Constant Support Pump	Results:	Accept	
Work Order:	4235633			Report No.:	VE-03-194	

Attachment 1, RFO21: Inservice Inspection Report

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2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
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4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

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Exam Credit: OWN Equal: 336

Category: B-F Equal: 1

Item No.: B5.20 Equal: 1

Summary No.:	B5.20.0005	Component ID:	SLC-BJ-1
Class: 1	System: SLC	Description:	Safe-End to RPV Partial Penetration Nozzle
Work Order:	4230314		

Exam Method:	EVT-2
Results:	Accept
Report No.:	VE-03-554

Comments / Corrective Measures:

System Leakage Test. Removed insulation and performed a Enhanced VT-2 leakage examination on the SLC nozzle vessel penetration safe-end extension to nozzle dissimilar metal weld per guidelines provided in BWRVIP-27A.

Attachment 1, RFO21: Inservice Inspection Report

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commercial Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

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Category: B-N-2	Equal: 17
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Item No.: B13.20	Equal: 5
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Summary No.:	B13.20.0006	Component ID:	JP-RBPAD-ATTWLDS@210	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: 1	System: NB	Description:	Jet Pump 19 and 20 Primary Riser Brace Attachment Pad Welds and Heat-Affected Zones to RPV at 210 degrees azimuth	Results:	Accept	BWRVIP Examination.
Work Order:	4235471			Report No.:	VE-03-234	

Summary No.:	B13.20.0007	Component ID:	JP-RBPAD-ATTWLDS@240	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: 1	System: NB	Description:	Jet Pump 17 and 18 Primary Riser Brace Attachments Pad Welds and Heat-Affected Zones to RPV at 240 degrees azimuth	Results:	Accept	BWRVIP Examination.
Work Order:	4235471			Report No.:	VE-03-233	

Summary No.:	B13.20.0008	Component ID:	JP-RBPAD-ATTWLDS@270	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: 1	System: NB	Description:	Jet Pump 15 and 16 Primary Riser Brace Attachments Pad Welds and Heat-Affected Zones to RPV at 270 degrees azimuth	Results:	Accept	BWRVIP Examination.
Work Order:	4235471			Report No.:	VE-03-232	

Summary No.:	B13.20.0009	Component ID:	JP-RBPAD-ATTWLDS@300	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: 1	System: NB	Description:	Jet Pump 13 and 14 Primary Riser Brace Attachments Pad Welds and Heat-Affected Zones to RPV at 300 degrees azimuth	Results:	Accept	BWRVIP Examination.
Work Order:	4235471			Report No.:	VE-03-231	

Summary No.:	B13.20.0010	Component ID:	JP-RBPAD-ATTWLDS@330	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: 1	System: NB	Description:	Jet Pump 11 and 12 Primary Riser Brace Attachment Pad Welds and Heat-Affected Zones to RPV at 330 degrees azimuth	Results:	Accept	BWRVIP Examination.
Work Order:	4235471			Report No.:	VE-03-230	

Item No.: B13.30	Equal: 12
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Summary No.:	B13.30.0005	Component ID:	FW-ASPRBKT-ATTWLDS@5	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: 1	System: NB	Description:	Feedwater Sparger Bracket Attachment Welds at 5 degrees azimuth	Results:	Accept	BWRVIP Examination
Work Order:	4235471			Report No.:	VE-03-222	

Summary No.:	B13.30.0006	Component ID:	FW-ASPRBKT-ATTWLDS@85	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: 1	System: NB	Description:	Feedwater Sparger Bracket Attachment at 85 degrees azimuth	Results:	Accept	BWRVIP Examination
Work Order:	4235471			Report No.:	VE-03-223	

Summary No.:	B13.30.0007	Component ID:	FW-BSPRBKT-ATTWLDS@175	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: 1	System: NB	Description:	Feedwater Sparger Bracket Attachment Welds at 175 degrees azimuth	Results:	Accept	BWRVIP Examination
Work Order:	4235471			Report No.:	VE-03-224	

Summary No.:	B13.30.0008	Component ID:	FW-BSPRBKT-ATTWLDS@95	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: 1	System: NB	Description:	Feedwater Sparger Bracket Attachment at 95 degrees azimuth	Results:	Accept	BWRVIP Examination
Work Order:	4235471			Report No.:	VE-03-225	

Summary No.:	B13.30.0009	Component ID:	FW-CSPRBKT-ATTWLDS@185	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: 1	System: NB	Description:	Feedwater Sparger Bracket Attachment Welds at 185 degrees azimuth	Results:	Accept	BWRVIP Examination
Work Order:	4235471			Report No.:	VE-03-226	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

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2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: B13.30.0010	Component ID: FW-CSPRBKT-ATTWLDS@265	Exam Method: EVT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Feedwater Sparger Bracket Attachment Welds at 265 degrees azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235471		Report No.: VE-03-227	
Summary No.: B13.30.0011	Component ID: FW-DSPRBKT-ATTWLDS@275	Exam Method: EVT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Feedwater Sparger Bracket Attachment Welds at 275 degrees azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235471		Report No.: VE-03-228	
Summary No.: B13.30.0012	Component ID: FW-DSPRBKT-ATTWLDS@355	Exam Method: EVT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Feedwater Sparger Bracket Attachment Welds at 355 degrees azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235471		Report No.: VE-03-229	
Summary No.: B13.30.0023	Component ID: STMDRY-SUPBKT-ATTWLDS@145	Exam Method: EVT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Steam Dryer Support Bracket Attachment to RPV Interior Wall at 145 degrees azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235471		Report No.: VE-03-219	
Summary No.: B13.30.0024	Component ID: STMDRY-SUPBKT-ATTWLDS@215	Exam Method: EVT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Steam Dryer Support Bracket Attachment to RPV Interior Wall at 215 degrees azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235471		Report No.: VE-03-220	
Summary No.: B13.30.0025	Component ID: STMDRY-SUPBKT-ATTWLDS@325	Exam Method: EVT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Steam Dryer Support Bracket Attachment to RPV Interior Wall at 325 degrees azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235471		Report No.: VE-03-221	
Summary No.: B13.30.0026	Component ID: STMDRY-SUPBKT-ATTWLDS@35	Exam Method: EVT-1	Comments / Corrective Measures:
Class: 1 System: NB	Description: Steam Dryer Support Bracket Attachment to RPV Interior Wall at 35 degrees azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235471		Report No.: VE-03-218	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

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Category: VI12.12 Equal: 40

Item No.: SIL420 Equal: 40

Summary No.: S420.SL.JP1	Component ID: JP1-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 1 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-267	
Summary No.: S420.SLBK.JP1	Component ID: JP1-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 1 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-268	
Summary No.: S420.SL.JP10	Component ID: JP10-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 10 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-285	
Summary No.: S420.SLBK.JP10	Component ID: JP10-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 10 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-286	
Summary No.: S420.SL.JP11	Component ID: JP11-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 11 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-287	
Summary No.: S420.SLBK.JP11	Component ID: JP11-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 11 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-288	
Summary No.: S420.SL.JP12	Component ID: JP12-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 12 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-289	
Summary No.: S420.SLBK.JP12	Component ID: JP12-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 12 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-290	
Summary No.: S420.SL.JP13	Component ID: JP13-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 13 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-291	
Summary No.: S420.SLBK.JP13	Component ID: JP13-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 13 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-292	
Summary No.: S420.SL.JP14	Component ID: JP14-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 14 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-293	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: S420.SLBK.JP14	Component ID: JP14-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 14 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-294	
Summary No.: S420.SL.JP15	Component ID: JP15-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 15 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-295	
Summary No.: S420.SLBK.JP15	Component ID: JP15-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 15 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-296	
Summary No.: S420.SL.JP16	Component ID: JP16-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 16 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-297	
Summary No.: S420.SLBK.JP16	Component ID: JP16-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 16 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-298	
Summary No.: S420.SL.JP17	Component ID: JP17-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 17 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-299	
Summary No.: S420.SLBK.JP17	Component ID: JP17-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 17 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-301	
Summary No.: S420.SL.JP18	Component ID: JP18-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 18 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-300	
Summary No.: S420.SLBK.JP18	Component ID: JP18-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 18 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-302	
Summary No.: S420.SL.JP19	Component ID: JP19-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 19 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-303	
Summary No.: S420.SLBK.JP19	Component ID: JP19-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 19 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-304	
Summary No.: S420.SL.JP2	Component ID: JP2-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 2 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-269	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Summary No.: S420.SLBK.JP2	Component ID: JP2-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 2 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-270	
Summary No.: S420.SL.JP20	Component ID: JP20-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 20 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-305	
Summary No.: S420.SLBK.JP20	Component ID: JP20-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 20 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-306	
Summary No.: S420.SL.JP3	Component ID: JP3-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 3 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-271	
Summary No.: S420.SLBK.JP3	Component ID: JP3-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 3 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-272	
Summary No.: S420.SL.JP4	Component ID: JP4-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 4 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-273	
Summary No.: S420.SLBK.JP4	Component ID: JP4-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 4 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-274	
Summary No.: S420.SL.JP5	Component ID: JP5-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 5 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-275	
Summary No.: S420.SLBK.JP5	Component ID: JP5-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 5 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-276	
Summary No.: S420.SL.JP6	Component ID: JP6-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 6 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-277	
Summary No.: S420.SLBK.JP6	Component ID: JP6-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 6 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420. Previously recorded indication in weld at upper standoff to sensing line determined to be non-relevant shadow from weld bead and undercut (Reference INF#2003-07).
Work Order: 4235468		Report No.: VE-03-278	
Summary No.: S420.SL.JP7	Component ID: JP7-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 7 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-279	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: S420.SLBK.JP7	Component ID: JP7-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 7 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-280	
Summary No.: S420.SL.JP8	Component ID: JP8-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 8 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-281	
Summary No.: S420.SLBK.JP8	Component ID: JP8-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 8 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-282	
Summary No.: S420.SL.JP9	Component ID: JP9-SL	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 9 Sensing Line	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-283	
Summary No.: S420.SLBK.JP9	Component ID: JP9-SLBKTS	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 9 Sensing Line Brackets	Results: Accept	Examined per GE SIL 420
Work Order: 4235468		Report No.: VE-03-284	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Category: VI12.14 Equal: 10

Item No.: SIL465 Equal: 10

Summary No.: S465.MXIN.JP11	Component ID: JP11-NOZ-MIXINLET	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 11 Inlet Nozzle and Mixer Region	Results: Accept	Examined per GE SIL 465
Work Order: 4235468	(Crud Buildup) (CAL JP)	Report No.: VE-03-307	
Summary No.: S465.MXIN.JP12	Component ID: JP12-NOZ-MIXINLET	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 12 Inlet Nozzle and Mixer Region	Results: Accept	Examined per GE SIL 465
Work Order: 4235468	(Crud Buildup)	Report No.: VE-03-308	
Summary No.: S465.MXIN.JP13	Component ID: JP13-NOZ-MIXINLET	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 13 Inlet Nozzle and Mixer Region	Results: Accept	Examined per GE SIL 465
Work Order: 4235468	(Crud Buildup)	Report No.: VE-03-309	
Summary No.: S465.MXIN.JP14	Component ID: JP14-NOZ-MIXINLET	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 14 Inlet Nozzle and Mixer Region	Results: Accept	Examined per GE SIL 465
Work Order: 4235468	(Crud Buildup)	Report No.: VE-03-310	
Summary No.: S465.MXIN.JP15	Component ID: JP15-NOZ-MIXINLET	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 15 Inlet Nozzle and Mixer Region	Results: Accept	Examined per GE SIL 465
Work Order: 4235468	(Crud Buildup)	Report No.: VE-03-311	
Summary No.: S465.MXIN.JP16	Component ID: JP16-NOZ-MIXINLET	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 16 Inlet Nozzle and Mixer Region	Results: Accept	Examined per GE SIL 465
Work Order: 4235468	(Crud Buildup) (CAL JP)	Report No.: VE-03-312	
Summary No.: S465.MXIN.JP17	Component ID: JP17-NOZ-MIXINLET	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 17 Inlet Nozzle and Mixer Region	Results: Accept	Examined per GE SIL 420
Work Order: 4235468	(Crud Buildup)	Report No.: VE-03-313	
Summary No.: S465.MXIN.JP18	Component ID: JP18-NOZ-MIXINLET	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 18 Inlet Nozzle and Mixer Region	Results: Accept	Examined per GE SIL 465
Work Order: 4235468	(Crud Buildup)	Report No.: VE-03-314	
Summary No.: S465.MXIN.JP19	Component ID: JP19-NOZ-MIXINLET	Exam Method: VT-3	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 19 Inlet Nozzle and Mixer Region	Results: Accept	Examined per GE SIL 465
Work Order: 4235468	(Crud Buildup)	Report No.: VE-03-315	
Summary No.: S465.MXIN.JP20	Component ID: JP20-NOZ-MIXINLET	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump 20 Inlet Nozzle and Mixer Region	Results: Accept	Examined per GE SIL 465
Work Order: 4235468	(Crud Buildup)	Report No.: VE-03-316	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Category:	VI12.15	Equal:	34
Item No.:	SIL474	Equal:	34

Summary No.: S474.STMDY.DRCH1H.23	Component ID: STMDRY-DRCHWLD-1H@23	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld One (1) Horizontal at 23 degree azimuth	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467		Report No.: VE-03-458	
Summary No.: S474.STMDY.DRCH1H.23	Component ID: STMDRY-DRCHWLD-1VL@23	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld One (1) Vertical Left Side at 23 degrees azimuth	Results: Accept	Examined per GE SIL 474. Previously recorded relevant indications determined to be not relevant.
Work Order: 4235467		Report No.: VE-03-458	
Summary No.: S474.STMDY.DRCH1VR.23	Component ID: STMDRY-DRCHWLD-1VR@23	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld One (1) Vertical Right Side at 23 degrees azimuth	Results: Accept	Examined per GE SIL 474. Previously recorded relevant indications determined to be not relevant.
Work Order: 4235467		Report No.: VE-03-457	
Summary No.: S474.STMDY.DRCH2H.40	Component ID: STMDRY-DRCHWLD-2H@40	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Two (2) Horizontal at 40 degree azimuth	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467		Report No.: VE-03-459	
Summary No.: S474.STMDY.DRCH2VL.40	Component ID: STMDRY-DRCHWLD-2VL@40	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Two (2) Vertical Left Side at 40 degrees azimuth	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467		Report No.: VE-03-460	
Summary No.: S474.STMDY.DRCH2VR.40	Component ID: STMDRY-DRCHWLD-2VR@40	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Two (2) Vertical Right Side at 40 degrees azimuth	Results: Accept	Examined per GE SIL 474. Previously recorded relevant indications determined to be not relevant.
Work Order: 4235467		Report No.: VE-03-461	
Summary No.: S474.STMDY.DRCH3H.140	Component ID: STMDRY-DRCHWLD-3H@140	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Three (3) Horizontal at 140 degree azimuth	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467		Report No.: VE-03-462	
Summary No.: S474.STMDY.DRCH3VL.140	Component ID: STMDRY-DRCHWLD-3VL@140	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Three (3) Vertical Left Side at 140 degrees azimuth	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467		Report No.: VE-03-463	
Summary No.: S474.STMDY.DRCH3VR.140	Component ID: STMDRY-DRCHWLD-3VR@140	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Three (3) Vertical Right Side at 140 degrees azimuth	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467		Report No.: VE-03-464	
Summary No.: S474.STMDY.DRCH4H.158	Component ID: STMDRY-DRCHWLD-4H@158	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Four (4) Horizontal at 158 degree azimuth	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467		Report No.: VE-03-465	
Summary No.: S474.STMDY.DRCH4VL.158	Component ID: STMDRY-DRCHWLD-4VL@158	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Four (4) Vertical Left Side at 158 degrees azimuth	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467		Report No.: VE-03-466	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: S474.STMDY.DRCH4VR.158	Component ID: STMDRY-DRCHWLD-4VR@158	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Four (4) Vertical	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	Right Side at 158 degrees azimuth	Report No.: VE-03-467	
Summary No.: S474.STMDY.DRCH5H.193	Component ID: STMDRY-DRCHWLD-5H@193	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Five (5) Horizontal	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	at 193 degree azimuth	Report No.: VE-03-468	
Summary No.: S474.STMDY.DRCH5VL.193	Component ID: STMDRY-DRCHWLD-5VL@193	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Five (5) Vertical	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	Left side at 193 degrees azimuth	Report No.: VE-03-469	
Summary No.: S474.STMDY.DRCH5VR.193	Component ID: STMDRY-DRCHWLD-5VR@193	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Five (5) Vertical	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	Right Side at 193 degrees azimuth	Report No.: VE-03-470	
Summary No.: S474.STMDY.DRCH6H.220	Component ID: STMDRY-DRCHWLD-6H@220	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Six (6) Horizontal	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	at 220 degree azimuth	Report No.: VE-03-471	
Summary No.: S474.STMDY.DRCH6VL.220	Component ID: STMDRY-DRCHWLD-6VL@220	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Six (6) Vertical	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	Left Side at 220 degrees azimuth	Report No.: VE-03-472	
Summary No.: S474.STMDY.DRCH6VR.220	Component ID: STMDRY-DRCHWLD-6VR@220	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Six (6) Vertical	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	Right Side at 220 degrees azimuth	Report No.: VE-03-473	
Summary No.: S474.STMDY.DRCH7H.310	Component ID: STMDRY-DRCHWLD-7H@310	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Seven Horizontal	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	at 310 degree azimuth	Report No.: VE-03-474	
Summary No.: S474.STMDY.DRCH7VL.310	Component ID: STMDRY-DRCHWLD-7VL@310	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Seven (7)	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	Vertical Left Side at 310 degrees azimuth	Report No.: VE-03-475	
Summary No.: S474.STMDY.DRCH7VR.310	Component ID: STMDRY-DRCHWLD-7VR@310	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Seven (7)	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	Vertical Right Side at 310 degrees azimuth	Report No.: VE-03-476	
Summary No.: S474.STMDY.DRCH8H.347	Component ID: STMDRY-DRCHWLD-8H@347	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Eight (8)	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	Horizontal at 347 degree azimuth	Report No.: VE-03-477	
Summary No.: S474.STMDY.DRCH8VL.347	Component ID: STMDRY-DRCHWLD-8VL@347	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Eight (8) Vertical	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	Left Side at 347 degrees azimuth	Report No.: VE-03-478	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Summary No.: S474.STMDY.DRCH8VR.347	Component ID: STMDRY-DRCHWLD-8VR@347	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Channnel Weld Eight (8) Vertical	Results: Accept	Examined per GE SIL 474.
Work Order: 4235467	Right Side at 347 dgreess azimuth	Report No.: VE-03-479	
Summary No.:S474.STMDY.DRCHMNWY.270	Component ID: STMDRY-MANWAY@270	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Manway Cover and Cover Welds	Results: Accept	Examined due to OE14300. VT-1 Examination of Cover Plate Welds at
Work Order: 4235467	at 270 degrees azimuth	Report No.: VE-03-455	90 and 270 degress azimuth were included as part this component
			identification.
Summary No.:S474.STMDY.DRCHMNWY.270	Component ID: STMDRY-MANWAY@270	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Manway Cover and Cover Welds	Results: Accept	Examined due to OE14300. VT-1 Examination of Cover Plate Welds at
Work Order: 4235467	at 270 degrees azimuth	Report No.: VE-03-454	90 and 270 degress azimuth were included as part this component
			identification.
Summary No.: S474.STMDYSKT.1-2	Component ID: STMDRY-SKT-BTWDC1-2	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Skirt Area between Drain	Results: Accept	Previously recorded relevant indications found during RFO-20 on various
Work Order: 4235467	Channels 1 and 2, 23 to 40 degrees azimuth	Report No.: VE-03-480	Steam Dryer skirt areas between drain channels determined to be
			manufacturing roller marks..
Summary No.: S474.STMDYSKT.2-3	Component ID: STMDRY-SKT-BTWDC2-3	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Skirt Area between Drain	Results: Accept	Previously recorded relevant indications found during RFO-20 on various
Work Order: 4235467	Channels 2 and 3, 40 to 140 degrees azimuth	Report No.: VE-03-481	Steam Dryer skirt areas between drain channels determined to be
			manufacturing roller marks.
Summary No.: S474.STMDYSKT.3-4	Component ID: STMDRY-SKT-BTWDC3-4	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Skirt Area between Drain	Results: Accept	Previously recorded relevant indications found during RFO-20 on various
Work Order: 4235467	Channels 3 and 4, 140 to 158 degrees azimuth	Report No.: VE-03-482	Steam Dryer skirt areas between drain channels determined to be
			manufacturing roller marks.
Summary No.: S474.STMDYSKT.4-5	Component ID: STMDRY-SKT-BTWDC4-5	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Skirt Area between Drain	Results: Accept	Previously recorded relevant Indications found during RFO-20 on various
Work Order: 4235467	Channels 4-5, 158 to 193 degrees azimuth	Report No.: VE-03-483	Steam Dryer skirt areas between drain channels determined to be
			manufacturing roller marks.
Summary No.: S474.STMDYSKT.5-6	Component ID: STMDRY-SKT-BTWDC5-6	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Skirt Area between Drain	Results: Accept	Previously recorded relevant indications found during RFO-20 on various
Work Order: 4235467	Channels 5 and 6, 193 to 220 degrees azimuth	Report No.: VE-03-484	Steam Dryer skirt areas between drain channels determined to be
			manufacturing roller marks.
Summary No.: S474.STMDYSKT.6-7	Component ID: STMDRY-SKT-BTWDC6-7	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Skirt Area between Drain Channel	Results: Accept	Previously recorded relevant indications found during RFO-20 on various
Work Order: 4235467	6 and 7, 220 to 310 degrees azimuth	Report No.: VE-03-485	Steam Dryer skirt areas between drain channels determined to be
			manufacturing roller marks.
Summary No.: S474.STMDYSKT.7-8	Component ID: STMDRY-SKT-BTWDC7-8	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Skirt Area between Drain Channel	Results: Accept	Previously recorded relevant indications found during RFO-20 on various
Work Order: 4235467	7 and 8, 310 to 347 degrees azimuth	Report No.: VE-03-486	Steam Dryer skirt areas between drain channels determined to be
			manufacturing roller marks.

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: S474.STMDYSKT.8-1	Component ID: STMDRY-SKT-BTWDC8-1	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Steam Dryer Skirt Area between Drain Channel	Results: Accept	Previously recorded relevant indications found during RFO-20 on various
Work Order: 4235467	8 and 1, 347 to 23 degrees azimuth	Report No.: VE-03-467	Steam Dryer skirt areas between drain channels determined to be
			manufacturing roller marks.

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Category: VIP18	Equal: 57
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Item No.: V18.P1	Equal: 2
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Summary No.: V18.P1.TBJ.90	Component ID: CS-A-TJB@90-(P1)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Tee Junction Box at 90 degrees azimuth, Thermal Sleeve to Junction Box Weld (hidden) Examine the accessible top and bottom outside surfaces of the Tee Junction Box	Results: Accept	BWRVIP Examination, examined all accessible and adjacent surfaces
Work Order: 4235464		Report No.: VE-03-568	

Summary No.: V18.P1.TBJ.270	Component ID: CS-B-TJB@270-(P1)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Tee Junction Box at 270 degrees azimuth, Thermal Sleeve to Junction Box Weld (hidden) Examine the accessible top and bottom outside surfaces of the Tee Junction Box	Results: Accept	BWRVIP Examination, examined all accessible and adjacent surfaces
Work Order: 4235464		Report No.: VE-03-567	

Item No.: V18.P2	Equal: 2
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Summary No.: V18.P2.A11.90	Component ID: CS-A11@90-(P2)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Tee Junction Box at 90 degrees azimuth, Cover Plate to Junction Box Weld	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-568	

Summary No.: V18.P2.B11.270	Component ID: CS-B11@270-(P2)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Tee Junction Box at 270 degrees azimuth, Cover Plate to Junction Box Weld	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-569	

Item No.: V18.P3	Equal: 4
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Summary No.: V18.P3.A10.90	Component ID: CS-A10@90-(P3)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Tee Junction Box at 90 degrees azimuth, Horizontal Pipe to Junction Box Weld, from Downcomer "C"	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-570	

Summary No.: V18.P3.A12.90	Component ID: CS-A12@90-(P3)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Tee Junction Box at 90 degree azimuth, Horizontal Pipe to Junction Box Weld, to Downcomer "A"	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-571	

Summary No.: V18.P3.B10.270	Component ID: CS-B10@270-(P3)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Tee Junction Box at 270 degrees azimuth, Horizontal Pipe to Junction Box Weld, from Downcomer "B"	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-572	

Summary No.: V18.P3.B12.270	Component ID: CS-B12@270-(P3)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Tee Junction Box at 270 degrees azimuth, Horizontal Pipe to Junction Box Weld, to Downcomer "D"	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-573	

Item No.: V18.P4	Equal: 5
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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
 2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
 3. Plant Unit: 1

4. Commerical Service Date: July, 1974
 5. Owner Certification of Authorization: N/A
 6. National Board Number: 20762

Tuesday, June 17, 2003

Summary No.: V18.P4a.A13.10	Component ID: CS-A13@10-(P4a)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping, Horizontal Pipe to Elbow, off Downcomer "A" at 10 dwgrees azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-574	
Summary No.: V18.P4b.A14.10	Component ID: CS-A14@10-(P4b)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping, Elbow to Pipe, off Downcomer "A" at 10 degrees azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-575	
Summary No.: V18.P4c.A18.10	Component ID: CS-A18@10-(P4c)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping, Lower Downcomer "A" to Elbow at 10 degrees azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-576	
Summary No.: V18.P4d.A19.10	Component ID: CS-A19@10-(P4d)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping, Elbow to Shroud Pipe, off Downcomer "A" at 10 degrees azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-577	
Summary No.: V18.P4b.A8.170	Component ID: CS-A8@170-(P4b)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping, Elbow to Pipe Downcomer "C" at 170 degrees azimuth	Results: Accept	BWRVIP Examination. Previously recorded relevant indication found during RFO-20 determined to be non-relevant.
Work Order: 4235464-65		Report No.: VE-03-578	
Item No.: V18.P8	Equal: 16		
Summary No.: V18.P8b.A1.170	Component ID: CS-A1@170-(P8b)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "C" at 170 degrees azimuth, Collar to Shroud Weld	Results: Accept	BWRVIP Examination. Previously recorded relevant indications were found determined to be non-relevant.
Work Order: 4235464-65		Report No.: VE-03-582	
Summary No.: V18.P8b.A1.170	Component ID: CS-A1@170-(P8b)	Exam Method: Auto UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "C" at 170 degrees azimuth, Collar to Shroud Weld	Results: Accept	BWRVIP Examination. Previously recorded relevant indications were found determined to be non-relevant.
Work Order: 4235464-65		Report No.: VE-03-558	
Summary No.: V18.P8a.A2.170	Component ID: CS-A2@170-(P8a)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "C" at 170 degrees azimuth, Collar to Shroud Pipe Weld	Results: Accept	BWRVIP Examination
Work Order: 4235464-65		Report No.: VE-03-581	
Summary No.: V18.P8a.A2.170	Component ID: CS-A2@170-(P8a)	Exam Method: Auto UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "C" at 170 degrees azimuth, Collar to Shroud Pipe Weld	Results: Accept	BWRVIP Examination
Work Order: 4235464-65		Report No.: VE-03-559	
Summary No.: V18.P8a.A20.10	Component ID: CS-A20@10-(P8a)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "A" at 10 degrees azimuth, Collar to Shroud Pipe Weld	Results: Accept	BWRVIP Examination.
Work Order: 4235464-65		Report No.: VE-03-579	
Summary No.: V18.P8a.A20.10	Component ID: CS-A20@10-(P8a)	Exam Method: Auto UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "A" at 10 degrees azimuth, Collar to Shroud Pipe Weld	Results: Accept	BWRVIP Examination.
Work Order: 4235464-65		Report No.: VE-03-560	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
 2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
 3. Plant Unit: 1

4. Commerical Service Date: July, 1974
 5. Owner Certification of Authorization: N/A
 6. National Board Number: 20762

Tuesday, June 17, 2003

Summary No.: V18.P8b.A21.10	Component ID: CS-A21@10-(P8b)	Exam Method: Auto UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "A" at 10 degrees azimuth, Collar to Shroud Weld	Results: Accept	BWRVIP Examination. Relevant Indications acceptable per NEDC 98-054.
Work Order: 4235464-65		Report No.: VE-03-561	
Summary No.: V18.P8b.A21.10	Component ID: CS-A21@10-(P8b)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "A" at 10 degrees azimuth, Collar to Shroud Weld	Results: Accept	BWRVIP Examination. Relevant Indications acceptable per NEDC 98-054.
Work Order: 4235464-65		Report No.: VE-03-580	
Summary No.: V18.P8b.B1.350	Component ID: CS-B1@350-(P8b)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "B" at 350 degrees azimuth, Collar to Shroud Weld	Results: Accept	BWRVIP Examination
Work Order: 4235464-65		Report No.: VE-03-586	
Summary No.: V18.P8b.B1.350	Component ID: CS-B1@350-(P8b)	Exam Method: Auto UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "B" at 350 degrees azimuth, Collar to Shroud Weld	Results: Accept	BWRVIP Examination
Work Order: 4235464-65		Report No.: VE-03-565	
Summary No.: V18.P8a.B2.350	Component ID: CS-B2@350-(P8a)	Exam Method: Auto UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "B" at 350 degrees azimuth, Collar to Shroud Pipe Weld	Results: Accept	BWRVIP Examination. Remote invessel Auto UT examination recorded Non Relevant Indications.
Work Order: 4235464-65		Report No.: VE-03-564	
Summary No.: V18.P8a.B2.350	Component ID: CS-B2@350-(P8a)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "B" at 350 degrees azimuth, Collar to Shroud Pipe Weld	Results: Accept	BWRVIP Examination. Remote invessel Auto UT examination recorded Non Relevant Indications.
Work Order: 4235464-65		Report No.: VE-03-585	
Summary No.: V18.P8a.B20.190	Component ID: CS-B20@190-(P8a)	Exam Method: Auto UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "D" at 190 degrees azimuth, Collar to Shroud Weld	Results: Accept	BWRVIP Examination. Relevant indications acceptable per NEDC 98-054. Indication not observed by EVT-1 exam.
Work Order: 4235464-65		Report No.: VE-03-562	
Summary No.: V18.P8a.B20.190	Component ID: CS-B20@190-(P8a)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "D" at 190 degrees azimuth, Collar to Shroud Weld	Results: Accept	BWRVIP Examination. Relevant indications acceptable per NEDC 98-054. Indication not observed by EVT-1 exam.
Work Order: 4235464-65		Report No.: VE-03-583	
Summary No.: V18.P8b.B21.190	Component ID: CS-B21@190-(P8b)	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "D" at 190 degrees azimuth, Collar to Shroud Pipe Weld	Results: Accept	BWRVIP Examination
Work Order: 4235464-65		Report No.: VE-03-584	
Summary No.: V18.P8b.B21.190	Component ID: CS-B21@190-(P8b)	Exam Method: Auto UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Piping Downcomer "D" at 190 degrees azimuth, Collar to Shroud Pipe Weld	Results: Accept	BWRVIP Examination
Work Order: 4235464-65		Report No.: VE-03-563	
<div>Item No.: V18.S Equal: 2</div>			
Summary No.: V18.S.BLX.346	Component ID: S-BL-XTRW@346	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Sparger "B" Lower, Sparger Pipe to Sparger Pipe, Extra Weld at 346 degrees azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-607	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.:	V18.S.BLX.354	Component ID:	S-BL-XTRW@354	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Core Spray Sparger "B" Lower, Sparger Pipe to Sparger Pipe, Extra Weld at 354 degrees azimuth	Results:	Accept	BWRVIP Examination
Work Order:	4235464			Report No.:	VE-03-608	

Item No.:	V18.S1	Equal: 2
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Summary No.:	V18.S1.AUTB.10	Component ID:	S1-AU-TB@10	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Core Spray Sparger "A" Upper Tee Box at 10 degrees azimuth, Cover Plate to Sparger Tee Box Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235464			Report No.:	VE-03-587	

Summary No.:	V18.S1.BLTB.350	Component ID:	S1-BL-TB@350	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Core Spray Sparger "B" Lower Tee Box at 350 degrees azimuth, Cover Plate to Sparger Tee Box Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235464			Report No.:	VE-03-602	

Item No.:	V18.S2	Equal: 4
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Summary No.:	V18.S2.AUTB.12	Component ID:	S2@12-AU-TB@10	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Core Spray Sparger "A" Upper Tee Box at 10 degrees azimuth, Sparger Pipe to Tee Box Weld at 12 degrees azimuth	Results:	Accept	BWRVIP Examination
Work Order:	4235464			Report No.:	VE-03-588	

Summary No.:	V18.S2.BLTB.348	Component ID:	S2@348-BL-TB@350	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Core Spray Sparger "B" Lower Tee Box at 350 degrees azimuth, Sparger Pipe to Tee Box Weld at 348 degrees azimuth	Results:	Accept	BWRVIP Examination
Work Order:	4235464			Report No.:	VE-03-603	

Summary No.:	V18.S2.BLTB.352	Component ID:	S2@352-BL-TB@350	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Core Spray Sparger "B" Lower Tee Box at 350 degrees azimuth, Sparger Pipe to Tee Box Weld at 352 degrees azimuth	Results:	Accept	BWRVIP Examination
Work Order:	4235464			Report No.:	VE-03-604	

Summary No.:	V18.S2.AUTB.8	Component ID:	S2@8-AU-TB@10	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Core Spray Sparger "A" Upper Tee Box at 10 degrees azimuth, Sparger Pipe to Tee Box Weld at 8 degrees azimuth	Results:	Accept	BWRVIP Examination
Work Order:	4235464			Report No.:	VE-03-589	

Item No.:	V18.S3a	Equal: 1
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Summary No.:	V18.S3a.AUNSW	Component ID:	S3a-AU-NSPW@271>89	Exam Method:	VT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Core Spray Sparger "A" Upper, Nozzle to Sparger Pipe Welds, all spray nozzles from 89 to 271 degrees azimuth	Results:	Accept	BWRVIP Examination
Work Order:	4235464			Report No.:	VE-03-591	

Item No.:	V18.S3b	Equal: 1
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Summary No.:	V18.S3b.AUNOW	Component ID:	S3b-AU-NOW@271>89	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Core Spray Sparger "A" Upper, Nozzle to Orifice Welds, all spray nozzles from 89 to 271 degrees azimuth	Results:	Accept	BWRVIP Examination
Work Order:	4235464			Report No.:	VE-03-590	

Attachment 1, RFO21: Inservice Inspection Report

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
 2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
 3. Plant Unit: 1

4. Commerical Service Date: July, 1974
 5. Owner Certification of Authorization: N/A
 6. National Board Number: 20762

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Item No.:	V18.S4	Equal: 4			
Summary No.:	V18.S4.AUEC.271	Component ID:	S4-AU-ECSPW@271	Exam Method:	EVT-1
Class: IVE System:	NB	Description:	Core Spray Sparger "A" Upper, End Cap to Sparger Pipe Weld at 271 degrees azimuth Assumed to be creviced internally	Results:	Accept
Work Order:	4235464			Report No.:	VE-03-593
Summary No.:	V18.S4.AUEC.89	Component ID:	S4-AU-ECSPW@89	Exam Method:	EVT-1
Class: IVE System:	NB	Description:	Core Spray Sparger "A" Upper, End Cap to Sparger Pipe Weld at 89 degrees azimuth Assumed to be creviced internally	Results:	Accept
Work Order:	4235464			Report No.:	VE-03-592
Summary No.:	V18.S4.BLEC.271	Component ID:	S4-BL-ECSPW@271	Exam Method:	EVT-1
Class: IVE System:	NB	Description:	Core Spray Sparger "B" Lower, End Cap to Sparger Pipe Weld at 271 degrees azimuth Assumed to be creviced internally	Results:	Accept
Work Order:	4235464			Report No.:	VE-03-606
Summary No.:	V18.S4.BLEC.89	Component ID:	S4-BL-ECSPW@89	Exam Method:	EVT-1
Class: IVE System:	NB	Description:	Core Spray Sparger "B" Lower, End Cap to Sparger Pipe Weld at 89 degrees azimuth Assumed to be creviced internally	Results:	Accept
Work Order:	4235464			Report No.:	VE-03-605
Item No.:	V18.SB	Equal: 14			
Summary No.:	V18.SB.AUBL272	Component ID:	SB-AU-BL-SPR@272	Exam Method:	VT-1
Class: IVE System:	NB	Description:	Core Spray Sparger Bracket at 272 degrees azimuth between CS Sparger "A" Upper and CS Sparger "B" Lower	Results:	Accept
Work Order:	4235464			Report No.:	VE-03-613
Summary No.:	V18.SB.AUBL299	Component ID:	SB-AU-BL-SPR@299	Exam Method:	VT-1
Class: IVE System:	NB	Description:	Core Spray Sparger Bracket at 299 degrees azimuth between CS Sparger "A" Upper and CS Sparger "B" Lower	Results:	Accept
Work Order:	4235464			Report No.:	VE-03-612
Summary No.:	V18.SB.AUBL30	Component ID:	SB-AU-BL-SPR@30.5	Exam Method:	VT-1
Class: IVE System:	NB	Description:	Core Spray Sparger Bracket at 30.5 degrees azimuth between CS Sparger "A" Upper and CS Sparger "B" Lower	Results:	Accept
Work Order:	4235464			Report No.:	VE-03-609
Summary No.:	V18.SB.AUBL329	Component ID:	SB-AU-BL-SPR@329.5	Exam Method:	VT-1
Class: IVE System:	NB	Description:	Core Spray Sparger Bracket at 329.5 degrees azimuth between CS Sparger "A" Upper and CS Sparger "B" Lower	Results:	Accept
Work Order:	4235464			Report No.:	VE-03-614
Summary No.:	V18.SB.AUBL61	Component ID:	SB-AU-BL-SPR@61	Exam Method:	VT-1
Class: IVE System:	NB	Description:	Core Spray Sparger Bracket at 61 degrees azimuth between CS Sparger "A" Upper and CS Sparger "B" Lower	Results:	Accept
Work Order:	4235464			Report No.:	VE-03-610

Attachment 1, RFO21: Inservice Inspection Report

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

3. Plant Unit: 1

4. Commerical Service Date: July, 1974

5. Owner Certification of Authorization: N/A

6. National Board Number: 20762

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Summary No.: V18.SB.AUBL.88	Component ID: SB-AU-BL-SPR@88	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Sparger Bracket at 88 degree azimuth between CS Sparger "A" Upper and CS Sparger "B" Lower	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-611	
Summary No.: V18.SB.BL.DL.270	Component ID: SB-BL-DL-SPR@270	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Sparger Bracket at 270 degrees azimuth between CS Sparger "B" Lower and CS Sparger "D" Lower	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-616	
Summary No.: V18.SB.BLDL.90	Component ID: SB-BL-DL-SPR@90	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Sparger Bracket at 90 degrees azimuth between CS Sparger "B" Lower and CS Sparger "D" Lower	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-615	
Summary No.: V18.SB.CUDL.119	Component ID: SB-CU-DL-SPR@119	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Sparger Bracket at 119 degrees azimuth between CS Sparger "C" Upper and CS Sparger "D" Lower	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-618	
Summary No.: V18.SB.CUDL.149	Component ID: SB-CU-DL-SPR@149.5	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Sparger Bracket at 149.5 degrees azimuth between CS Sparger "C" Upper and CS Sparger "D" Lower	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-619	
Summary No.: V18.SB.CUDL.210	Component ID: SB-CU-DL-SPR@210.5	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Sparger Bracket at 210.5 degrees azimuth between CS Sparger "C" Upper and CS Sparger "D" Lower	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-620	
Summary No.: V18.SB.CUDL.241	Component ID: SB-CU-DL-SPR@241	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Sparger Bracket at 241 degrees azimuth between CS Sparger "C" Upper and CS Sparger "D" Lower	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-621	
Summary No.: V18.SB.CUDL.268	Component ID: SB-CU-DL-SPR@268	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Sparger Bracket at 268 degrees azimuth between CS Sparger "C" Upper and CS Sparger "D" Lower	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-622	
Summary No.: V18.SB.CUDL.92	Component ID: SB-CU-DL-SPR@92	Exam Method: VT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Core Spray Sparger Bracket at 92 degree azimuth between CS Sparger "C" Upper and Sparger "D" Lower	Results: Accept	BWRVIP Examination
Work Order: 4235464		Report No.: VE-03-617	

Attachment 1, RFO21: Inservice Inspection Report

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

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Tuesday, June 17, 2003

Category: VIP38 Equal: 4

Item No.: V38.GW Equal: 4

Summary No.: V38.GWLD.15	Component ID: GUSWLDS@15	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Shroud Support Plate Gusset Welds at 15 Degrees Azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235473		Report No.: VE-03-450	
Summary No.: V38.GWLD.165	Component ID: GUSWLDS@165	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Shroud Support Plate Gusset Welds at 165 Degrees Azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235473		Report No.: VE-03-451	
Summary No.: V38.GWLD.195	Component ID: GUSWLDS@195	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Shroud Support Plate Gusset Welds at 195 Degrees Azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235473		Report No.: VE-03-452	
Summary No.: V38.GWLD.345	Component ID: GUSWLDS@345	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Shroud Support Plate Gusset Welds at 15 Degrees Azimuth	Results: Accept	BWRVIP Examination
Work Order: 4235473		Report No.: VE-03-453	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Category: VIP41 **Equal:** 173**Item No.:** V41.AD1 **Equal:** 10

Summary No.: V41.AD1.JP11	Component ID: AD-1-JP11	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Top to Adapter Bottom Weld (Bi-metallic weld)	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-317	
Summary No.: V41.AD1.JP12	Component ID: AD-1-JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Top to Adapter Bottom Weld (Bi-metallic weld)	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-318	
Summary No.: V41.AD1.JP13	Component ID: AD-1-JP13	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Top to Adapter Bottom Weld (Bi-metallic weld)	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-319	
Summary No.: V41.AD1.JP14	Component ID: AD-1-JP14	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Top to Adapter Bottom Weld (Bi-metallic weld)	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-320	
Summary No.: V41.AD1.JP15	Component ID: AD-1-JP15	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Top to Adapter Bottom Weld (Bi-metallic weld)	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-321	
Summary No.: V41.AD1.JP16	Component ID: AD-1-JP16	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Top to Adapter Bottom Weld (Bi-metallic weld)	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-322	
Summary No.: V41.AD1.JP17	Component ID: AD-1-JP17	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Top to Adapter Bottom Weld (Bi-metallic weld)	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-323	
Summary No.: V41.AD1.JP18	Component ID: AD-1-JP18	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Top to Adapter Bottom Weld (Bi-metallic weld)	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-324	
Summary No.: V41.AD1.JP19	Component ID: AD-1-JP19	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Top to Adapter Bottom Weld (Bi-metallic weld)	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-325	
Summary No.: V41.AD1.JP20	Component ID: AD-1-JP20	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Top to Adapter Bottom Weld (Bi-metallic weld)	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-326	

Item No.: V41.AD2 **Equal:** 10

Summary No.: V41.AD2.JP11	Component ID: AD-2-JP11	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Bottom to Core Shroud Support Plate	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-327	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.:	V41.AD2.JP12	Component ID:	AD-2-JP12	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Adapter Bottom to Core Shroud Support Plate	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-328	
Summary No.:	V41.AD2.JP13	Component ID:	AD-2-JP13	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Adapter Bottom to Core Shroud Support Plate	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-329	
Summary No.:	V41.AD2.JP14	Component ID:	AD-2-JP14	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Adapter Bottom to Core Shroud Support Plate	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-330	
Summary No.:	V41.AD2.JP15	Component ID:	AD-2-JP15	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Adapter Bottom to Core Shroud Support Plate	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-331	
Summary No.:	V41.AD2.JP16	Component ID:	AD-2-JP16	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Adapter Bottom to Core Shroud Support Plate	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-332	
Summary No.:	V41.AD2.JP17	Component ID:	AD-2-JP17	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Adapter Bottom to Core Shroud Support Plate	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-333	
Summary No.:	V41.AD2.JP18	Component ID:	AD-2-JP18	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Adapter Bottom to Core Shroud Support Plate	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-334	
Summary No.:	V41.AD2.JP19	Component ID:	AD-2-JP19	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Adapter Bottom to Core Shroud Support Plate	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-335	
Summary No.:	V41.AD2.JP20	Component ID:	AD-2-JP20	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Adapter Bottom to Core Shroud Support Plate	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-336	

Item No.:	V41.AD3a	Equal: 10
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Summary No.:	V41.AD3a.JP11	Component ID:	AD-3a-JP11	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-347	
Summary No.:	V41.AD3a.JP12	Component ID:	AD-3a-JP12	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-349	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: V41.AD3a.JP13	Component ID: AD-3a-JP13	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-351	
Summary No.: V41.AD3a.JP14	Component ID: AD-3a-JP14	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-353	
Summary No.: V41.AD3a.JP15	Component ID: AD-3a-JP15	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-355	
Summary No.: V41.AD3a.JP16	Component ID: AD-3a-JP16	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-357	
Summary No.: V41.AD3a.JP17	Component ID: AD-3a-JP17	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-359	
Summary No.: V41.AD3a.JP18	Component ID: AD-3a-JP18	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-361	
Summary No.: V41.AD3a.JP19	Component ID: AD-3a-JP19	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-363	
Summary No.: V41.AD3a.JP20	Component ID: AD-3a-JP20	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-364	
Item No.: V41.AD3b Equal: 20			
Summary No.: V41.AD3b.JP1	Component ID: AD-3b-JP1	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-337	
Summary No.: V41.AD3b.JP10	Component ID: AD-3b-JP10	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-346	
Summary No.: V41.AD3b.JP11	Component ID: AD-3b-JP11	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-348	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: V41.AD3b.JP12	Component ID: AD-3b-JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-350	
Summary No.: V41.AD3b.JP13	Component ID: AD-3b-JP13	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-352	
Summary No.: V41.AD3b.JP14	Component ID: AD-3b-JP14	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-354	
Summary No.: V41.AD3b.JP15	Component ID: AD-3b-JP15	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-356	
Summary No.: V41.AD3b.JP16	Component ID: AD-3b-JP16	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-358	
Summary No.: V41.AD3b.JP17	Component ID: AD-3b-JP17	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-360	
Summary No.: V41.AD3b.JP18	Component ID: AD-3b-JP18	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-362	
Summary No.: V41.AD3b.JP19	Component ID: AD-3b-JP19	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-365	
Summary No.: V41.AD3b.JP2	Component ID: AD-3b-JP2	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-338	
Summary No.: V41.AD3b.JP20	Component ID: AD-3b-JP20	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-366	
Summary No.: V41.AD3b.JP3	Component ID: AD-3b-JP3	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-339	
Summary No.: V41.AD3b.JP4	Component ID: AD-3b-JP4	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination
Work Order: 4235468		Report No.: VE-03-340	

Attachment 1, RFO21: Inservice Inspection Report

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
 2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
 3. Plant Unit: 1

4. Commerical Service Date: July, 1974
 5. Owner Certification of Authorization: N/A
 6. National Board Number: 20762

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 Tuesday, June 17, 2003

Summary No.: V41.AD3b.JP5	Component ID: AD-3b-JP5	Exam Method: EVT-1	Comments / Corrective Measures:		
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination		
Work Order: 4235468		Report No.: VE-03-341			
Summary No.: V41.AD3b.JP6	Component ID: AD-3b-JP6	Exam Method: EVT-1	Comments / Corrective Measures:		
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination		
Work Order: 4235468		Report No.: VE-03-342			
Summary No.: V41.AD3b.JP7	Component ID: AD-3b-JP7	Exam Method: EVT-1	Comments / Corrective Measures:		
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination		
Work Order: 4235468		Report No.: VE-03-343			
Summary No.: V41.AD3b.JP8	Component ID: AD-3b-JP8	Exam Method: EVT-1	Comments / Corrective Measures:		
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination		
Work Order: 4235468		Report No.: VE-03-344			
Summary No.: V41.AD3b.JP9	Component ID: AD-3b-JP9	Exam Method: EVT-1	Comments / Corrective Measures:		
Class: IVE System: NB	Description: Jet Pump Adapter Backing Ring Fillet Welds at the Diffuser Tailpipe-to-Adapter Interface	Results: Accept	BWRVIP Baseline Examination		
Work Order: 4235468		Report No.: VE-03-345			
<table><tr><td>Item No.: V41.BB</td><td>Equal: 20</td></tr></table>				Item No.: V41.BB	Equal: 20
Item No.: V41.BB	Equal: 20				
Summary No.: V41BB.JP1	Component ID: BB-JP1	Exam Method: EVT-1	Comments / Corrective Measures:		
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region MidSection Area (RICSIL No. 086)	Results: Accept	Examined due to OE 13216.		
Work Order: 4235468		Report No.: VE-03-367			
Summary No.: V41BB.JP10	Component ID: BB-JP10	Exam Method: EVT-1	Comments / Corrective Measures:		
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region MidSection Area (RICSIL No. 086)	Results: Accept	Examined due to OE 13216.		
Work Order: 4235468		Report No.: VE-03-376			
Summary No.: V41BB.JP11	Component ID: BB-JP11	Exam Method: EVT-1	Comments / Corrective Measures:		
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region MidSection Area (RICSIL No. 086)	Results: Accept	Examined due to OE 13216.		
Work Order: 4235468		Report No.: VE-03-377			
Summary No.: V41BB.JP12	Component ID: BB-JP12	Exam Method: EVT-1	Comments / Corrective Measures:		
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region MidSection Area (RICSIL No. 086)	Results: Accept	Examined due to OE 13216.		
Work Order: 4235468		Report No.: VE-03-378			
Summary No.: V41BB.JP13	Component ID: BB-JP13	Exam Method: EVT-1	Comments / Corrective Measures:		
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region MidSection Area (RICSIL No. 086)	Results: Accept	Examined due to OE 13216.		
Work Order: 4235468		Report No.: VE-03-379			
Summary No.: V41BB.JP14	Component ID: BB-JP14	Exam Method: EVT-1	Comments / Corrective Measures:		
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region MidSection Area (RICSIL No. 086)	Results: Accept	Examined due to OE 13216.		
Work Order: 4235468		Report No.: VE-03-380			

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.:	V41BB.JP15	Component ID:	BB-JP15	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-381	
Summary No.:	V41BB.JP16	Component ID:	BB-JP16	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-382	
Summary No.:	V41BB.JP17	Component ID:	BB-JP17	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-383	
Summary No.:	V41BB.JP18	Component ID:	BB-JP18	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-384	
Summary No.:	V41BB.JP19	Component ID:	BB-JP19	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-385	
Summary No.:	V41BB.JP2	Component ID:	BB-JP2	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-388	
Summary No.:	V41BB.JP20	Component ID:	BB-JP20	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-386	
Summary No.:	V41BB.JP3	Component ID:	BB-JP3	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-369	
Summary No.:	V41BB.JP4	Component ID:	BB-JP4	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-370	
Summary No.:	V41BB.JP5	Component ID:	BB-JP5	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-371	
Summary No.:	V41BB.JP6	Component ID:	BB-JP6	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-372	
Summary No.:	V41BB.JP7	Component ID:	BB-JP7	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-373	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Summary No.:	V41BB.JP8	Component ID:	BB-JP8	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-374	
Summary No.:	V41BB.JP9	Component ID:	BB-JP9	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Transition Arm Region	Results:	Accept	Examined due to OE 13216.
Work Order:	4235468		MidSection Area (RICSIL No. 086)	Report No.:	VE-03-375	
Item No.:	V41.BB1	Equal:	20			
Summary No.:	V41BB1.JP1	Component ID:	BB-1-JP1	Exam Method:	Remote UT	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Bolt Hole Region	Results:	Accept	BWRVIP Examination
Work Order:	4235470			Report No.:	VE-03-488	
Summary No.:	V41BB1.JP10	Component ID:	BB-1-JP10	Exam Method:	Remote UT	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Bolt Hole Region	Results:	Accept	BWRVIP Examination
Work Order:	4235470			Report No.:	VE-03-497	
Summary No.:	V41BB1.JP11	Component ID:	BB-1-JP11	Exam Method:	Remote UT	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Bolt Hole Region	Results:	Accept	BWRVIP Examination
Work Order:	4235470			Report No.:	VE-03-498	
Summary No.:	V41BB1.JP12	Component ID:	BB-1-JP12	Exam Method:	Remote UT	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Bolt Hole Region	Results:	Accept	BWRVIP Examination
Work Order:	4235470			Report No.:	VE-03-499	
Summary No.:	V41BB1.JP13	Component ID:	BB-1-JP13	Exam Method:	Remote UT	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Bolt Hole Region	Results:	Accept	BWRVIP Examination
Work Order:	4235470			Report No.:	VE-03-500	
Summary No.:	V41BB1.JP14	Component ID:	BB-1-JP14	Exam Method:	Remote UT	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Bolt Hole Region	Results:	Accept	BWRVIP Examination
Work Order:	4235470			Report No.:	VE-03-501	
Summary No.:	V41BB1.JP15	Component ID:	BB-1-JP15	Exam Method:	Remote UT	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Bolt Hole Region	Results:	Accept	BWRVIP Examination
Work Order:	4235470			Report No.:	VE-03-502	
Summary No.:	V41BB1.JP16	Component ID:	BB-1-JP16	Exam Method:	Remote UT	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Bolt Hole Region	Results:	Accept	BWRVIP Examination
Work Order:	4235470			Report No.:	VE-03-503	
Summary No.:	V41BB1.JP17	Component ID:	BB-1-JP17	Exam Method:	Remote UT	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Beam Bolt Hole Region	Results:	Accept	BWRVIP Examination
Work Order:	4235470			Report No.:	VE-03-504	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: V41BB1.JP18	Component ID: BB-1-JP18	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Bolt Hole Region	Results: Accept	BWRVIP Examination
Work Order: 4235470		Report No.: VE-03-505	
Summary No.: V41BB1.JP19	Component ID: BB-1-JP19	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Bolt Hole Region	Results: Accept	BWRVIP Examination
Work Order: 4235470		Report No.: VE-03-506	
Summary No.: V41BB1.JP2	Component ID: BB-1-JP2	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Bolt Hole Region	Results: Accept	BWRVIP Examination
Work Order: 4235470		Report No.: VE-03-489	
Summary No.: V41BB1.JP20	Component ID: BB-1-JP20	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Bolt Hole Region	Results: Accept	BWRVIP Examination
Work Order: 4235470		Report No.: VE-03-507	
Summary No.: V41BB1.JP3	Component ID: BB-1-JP3	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Bolt Hole Region	Results: Accept	BWRVIP Examination
Work Order: 4235470		Report No.: VE-03-490	
Summary No.: V41BB1.JP4	Component ID: BB-1-JP4	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Bolt Hole Region	Results: Accept	BWRVIP Examination
Work Order: 4235470		Report No.: VE-03-491	
Summary No.: V41BB1.JP5	Component ID: BB-1-JP5	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Bolt Hole Region	Results: Accept	BWRVIP Examination
Work Order: 4235470		Report No.: VE-03-492	
Summary No.: V41BB1.JP6	Component ID: BB-1-JP6	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Bolt Hole Region	Results: Accept	BWRVIP Examination
Work Order: 4235470		Report No.: VE-03-493	
Summary No.: V41BB1.JP7	Component ID: BB-1-JP7	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Bolt Hole Region	Results: Accept	BWRVIP Examination
Work Order: 4235470		Report No.: VE-03-494	
Summary No.: V41BB1.JP8	Component ID: BB-1-JP8	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Bolt Hole Region	Results: Accept	BWRVIP Examination
Work Order: 4235470		Report No.: VE-03-495	
Summary No.: V41BB1.JP9	Component ID: BB-1-JP9	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Bolt Hole Region	Results: Accept	BWRVIP Examination
Work Order: 4235470		Report No.: VE-03-496	

Item No.: V41.BB2	Equal: 20
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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: V41BB2.JP1	Component ID: BB-2-JP1	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-508	
Summary No.: V41BB2.JP10	Component ID: BB-2-JP10	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-517	
Summary No.: V41BB2.JP11	Component ID: BB-2-JP11	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-518	
Summary No.: V41BB2.JP12	Component ID: BB-2-JP12	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-519	
Summary No.: V41BB2.JP13	Component ID: BB-2-JP13	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-520	
Summary No.: V41BB2.JP14	Component ID: BB-2-JP14	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-521	
Summary No.: V41BB2.JP15	Component ID: BB-2-JP15	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-522	
Summary No.: V41BB2.JP16	Component ID: BB-2-JP16	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-523	
Summary No.: V41BB2.JP17	Component ID: BB-2-JP17	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-524	
Summary No.: V41BB2.JP18	Component ID: BB-2-JP18	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-525	
Summary No.: V41BB2.JP19	Component ID: BB-2-JP19	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-526	
Summary No.: V41BB2.JP2	Component ID: BB-2-JP2	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-509	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Summary No.: V41BB2.JP20	Component ID: BB-2-JP20	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-527	
Summary No.: V41BB2.JP3	Component ID: BB-2-JP3	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-510	
Summary No.: V41BB2.JP4	Component ID: BB-2-JP4	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-511	
Summary No.: V41BB2.JP5	Component ID: BB-2-JP5	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-512	
Summary No.: V41BB2.JP6	Component ID: BB-2-JP6	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-513	
Summary No.: V41BB2.JP7	Component ID: BB-2-JP7	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-514	
Summary No.: V41BB2.JP8	Component ID: BB-2-JP8	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-515	
Summary No.: V41BB2.JP9	Component ID: BB-2-JP9	Exam Method: Remote UT	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Beam Transition Arm Region	Results: Accept	BWRVIP Examination
Work Order: 4235470	Machined Radius Area	Report No.: VE-03-516	
Item No.: V41.DF1	Equal: 4		
Summary No.: V41.DF1.JP11	Component ID: DF-1-JP11	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Diffuser Collar to Diffuser Shell Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-387	
Summary No.: V41.DF1.JP12	Component ID: DF-1-JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Diffuser Collar to Diffuser Shell Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-389	
Summary No.: V41.DF1.JP13	Component ID: DF-1-JP13	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Diffuser Collar to Diffuser Shell Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-391	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.:	V41.DF1.JP14	Component ID:	DF-1-JP14	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Diffuser Collar to Diffuser Shell Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-393	

Item No.:	V41.DF2	Equal:	10
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Summary No.:	V41.DF2.JP11	Component ID:	DF-2-JP11	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Diffuser Shell to Tailpipe Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-388	

Summary No.:	V41.DF2.JP12	Component ID:	DF-2-JP12	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Diffuser Shell to Tailpipe Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-390	

Summary No.:	V41.DF2.JP13	Component ID:	DF-2-JP13	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Diffuser Shell to Tailpipe Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-392	

Summary No.:	V41.DF2.JP14	Component ID:	DF-2-JP14	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Diffuser Shell to Tailpipe Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-394	

Summary No.:	V41.DF2.JP15	Component ID:	DF-2-JP15	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Diffuser Shell to Tailpipe Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-395	

Summary No.:	V41.DF2.JP16	Component ID:	DF-2-JP16	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Diffuser Shell to Tailpipe Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-396	

Summary No.:	V41.DF2.JP17	Component ID:	DF-2-JP17	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Diffuser Shell to Tailpipe Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-397	

Summary No.:	V41.DF2.JP18	Component ID:	DF-2-JP18	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Diffuser Shell to Tailpipe Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-398	

Summary No.:	V41.DF2.JP19	Component ID:	DF-2-JP19	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Diffuser Shell to Tailpipe Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-399	

Summary No.:	V41.DF2.JP20	Component ID:	DF-2-JP20	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Diffuser Shell to Tailpipe Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-400	

Item No.:	V41.IN4	Equal:	6
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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: V41.IN4.JP11	Component ID: IN-4-JP11	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Inlet Single Hole Nozzle Casting to Mixer Barrel	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-403	
Summary No.: V41.IN4.JP12	Component ID: IN-4-JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Inlet Single Hole Nozzle Casting to Mixer Barrel	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-404	
Summary No.: V41.IN4.JP13	Component ID: IN-4-JP13	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Inlet Single Hole Nozzle Casting to Mixer Barrel	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-405	
Summary No.: V41.IN4.JP14	Component ID: IN-4-JP14	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Inlet Single Hole Nozzle Casting to Mixer Barrel	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-406	
Summary No.: V41.IN4.JP5	Component ID: IN-4-JP5	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Inlet Single Hole Nozzle Casting to Mixer Barrel	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-401	
Summary No.: V41.IN4.JP6	Component ID: IN-4-JP6	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Inlet Single Hole Nozzle Casting to Mixer Barrel	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-402	
Item No.: V41.MX2	Equal: 4		
Summary No.: V41.MX2.JP11	Component ID: MX-2-JP11	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Barrel to Adapter Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-407	
Summary No.: V41.MX2.JP12	Component ID: MX-2-JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Barrel to Adapter Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-408	
Summary No.: V41.MX2.JP13	Component ID: MX-2-JP13	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Barrel to Adapter Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-409	
Summary No.: V41.MX2.JP14	Component ID: MX-2-JP14	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Barrel to Adapter Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-410	
Item No.: V41.RB1a	Equal: 2		
Summary No.: V41.RB1a.JP11-12	Component ID: RB-1a-JP11&JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Primary Riser Brace Leaf to Vessel Ped Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-411	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: V41.RB1a.JP13-14	Component ID: RB-1a-JP13&JP14	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Primary Riser Brace Leaf to Vessel	Results: Accept	BWRVIP Examination
Work Order: 4235468	Pad Weld	Report No.: VE-03-412	

Item No.: V41.RB1b Equal: 2

Summary No.: V41.RB1b.JP11-12	Component ID: RB-1b-JP11&JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Primary Riser Brace Leaf to Vessel	Results: Accept	BWRVIP Examination
Work Order: 4235468	Pad Weld	Report No.: VE-03-413	

Summary No.: V41.RB1b.JP13-14	Component ID: RB-1b-JP13&JP14	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Primary Riser Brace Leaf to Vessel	Results: Accept	BWRVIP Examination
Work Order: 4235468	Pad Weld	Report No.: VE-03-414	

Item No.: V41.RB1c Equal: 2

Summary No.: V41.RB1c.JP11-12	Component ID: RB-1c-JP11&JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Primary Riser Brace Leaf to Vessel	Results: Accept	BWRVIP Examination
Work Order: 4235468	Pad Weld	Report No.: VE-03-415	

Summary No.: V41.RB1c.JP13-14	Component ID: RB-1c-JP13&JP14	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Primary Riser Brace Leaf to Vessel	Results: Accept	BWRVIP Examination
Work Order: 4235468	Pad Weld	Report No.: VE-03-416	

Item No.: V41.RB1d Equal: 2

Summary No.: V41.RB1d.JP11-12	Component ID: RB-1d-JP11&JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Primary Riser Brace Leaf to Vessel	Results: Accept	BWRVIP Examination
Work Order: 4235468	Pad Weld	Report No.: VE-03-417	

Summary No.: V41.RB1d.JP13-14	Component ID: RB-1d-JP13&JP14	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Primary Riser Brace Leaf to Vessel	Results: Accept	BWRVIP Examination
Work Order: 4235468	Pad Weld	Report No.: VE-03-418	

Item No.: V41.RB2a Equal: 2

Summary No.: V41.RB2a.JP11-12	Component ID: RB-2a-JP11&JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Primary Riser Brace Leaf to Yoke	Results: Accept	BWRVIP Examination
Work Order: 4235468	Weld	Report No.: VE-03-419	

Summary No.: V41.RB2a.JP13-14	Component ID: RB-2a-JP13&JP14	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Primary Riser Brace Leaf to Yoke	Results: Accept	BWRVIP Examination
Work Order: 4235468	Weld	Report No.: VE-03-420	

Item No.: V41.RB2b Equal: 2

Summary No.: V41.RB2b.JP11-12	Component ID: RB-2b-JP11&JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Primary Riser Brace Leaf to Yoke	Results: Accept	BWRVIP Examination
Work Order: 4235468	Weld	Report No.: VE-03-421	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.:	V41.RB2b.JP13-14	Component ID:	RB-2b-JP13&JP14	Exam Method:	EVT-1	Comments / Corrective Measures:
Class:	IVE System: NB	Description:	Jet Pump Primary Riser Brace Leaf to Yoke Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-422	

Item No.:	V41.RB2c	Equal: 2
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Summary No.:	V41.RB2c.JP11-12	Component ID:	RB-2c-JP11&JP12	Exam Method:	EVT-1	Comments / Corrective Measures:
Class:	IVE System: NB	Description:	Jet Pump Primary Riser Brace Leaf to Yoke Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-423	

Summary No.:	V41.RB2c.JP13-14	Component ID:	RB-2c-JP13&JP14	Exam Method:	EVT-1	Comments / Corrective Measures:
Class:	IVE System: NB	Description:	Jet Pump Primary Riser Brace Leaf to Yoke Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-424	

Item No.:	V41.RB2d	Equal: 2
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Summary No.:	V41.RB2d.JP11-12	Component ID:	RB-2d-JP11&JP12	Exam Method:	EVT-1	Comments / Corrective Measures:
Class:	IVE System: NB	Description:	Jet Pump Primary Riser Brace Leaf to Yoke Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-425	

Summary No.:	V41.RB2d.JP13-14	Component ID:	RB-2d-JP13&JP14	Exam Method:	EVT-1	Comments / Corrective Measures:
Class:	IVE System: NB	Description:	Jet Pump Primary Riser Brace Leaf to Yoke Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-426	

Item No.:	V41.RS1	Equal: 5
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Summary No.:	V41.RS1.JP11-12	Component ID:	RS-1-JP11&JP12	Exam Method:	EVT-1	Comments / Corrective Measures:
Class:	IVE System: NB	Description:	Recirc Thermal Sleeve to Jet Pump Riser Elbow Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-427	

Summary No.:	V41.RS1.JP13-14	Component ID:	RS-1-JP13&JP14	Exam Method:	EVT-1	Comments / Corrective Measures:
Class:	IVE System: NB	Description:	Recirc Thermal Sleeve to Jet Pump Riser Elbow Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-428	

Summary No.:	V41.RS1.JP15-16	Component ID:	RS-1-JP15&JP16	Exam Method:	EVT-1	Comments / Corrective Measures:
Class:	IVE System: NB	Description:	Recirc Thermal Sleeve to Jet Pump Riser Elbow Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-429	

Summary No.:	V41.RS1.JP17-18	Component ID:	RS-1-JP17&JP18	Exam Method:	EVT-1	Comments / Corrective Measures:
Class:	IVE System: NB	Description:	Recirc Thermal Sleeve to Jet Pump Riser Elbow Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-430	

Summary No.:	V41.RS1.JP19-20	Component ID:	RS-1-JP19&JP20	Exam Method:	EVT-1	Comments / Corrective Measures:
Class:	IVE System: NB	Description:	Recirc Thermal Sleeve to Jet Pump Riser Elbow Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-431	

Item No.:	V41.RS2	Equal: 5
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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.: V41.RS2.JP11-12	Component ID: RS-2-JP11&JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Riser Elbow to Riser Pipe Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-432	
Summary No.: V41.RS2.JP13-14	Component ID: RS-2-JP13&JP14	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Riser Elbow to Riser Pipe Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-433	
Summary No.: V41.RS2.JP15-16	Component ID: RS-2-JP15&JP16	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Riser Elbow to Riser Pipe Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-434	
Summary No.: V41.RS2.JP17-18	Component ID: RS-2-JP17&JP18	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Riser Elbow to Riser Pipe Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-435	
Summary No.: V41.RS2.JP19-20	Component ID: RS-2-JP19&JP20	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Riser Elbow to Riser Pipe Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-436	
<div>Item No.: V41.RS3 Equal: 5</div>			
Summary No.: V41.RS3.JP11-12	Component ID: RS-3-JP11&JP12	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Riser Pipe to Transition Piece Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-437	
Summary No.: V41.RS3.JP13-14	Component ID: RS-3-JP13&JP14	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Riser Pipe to Transition Piece Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-438	
Summary No.: V41.RS3.JP15-16	Component ID: RS-3-JP15&JP16	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Riser Pipe to Transition Piece Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-439	
Summary No.: V41.RS3.JP17-18	Component ID: RS-3-JP17&JP18	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Riser Pipe to Transition Piece Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-440	
Summary No.: V41.RS3.JP19-20	Component ID: RS-3-JP19&JP20	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Riser Pipe to Transition Piece Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-441	
<div>Item No.: V41.RS6 Equal: 2</div>			
Summary No.: V41.RS6.JP11	Component ID: RS-6-JP11	Exam Method: EVT-1	Comments / Corrective Measures:
Class: IVE System: NB	Description: Jet Pump Riser Pipe to Restrainer Bracket Circ. Weld	Results: Accept	BWRVIP Examination
Work Order: 4235468		Report No.: VE-03-442	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860

4. Commerical Service Date: July, 1974

Tuesday, June 17, 2003

2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321

5. Owner Certification of Authorization: N/A

3. Plant Unit: 1

6. National Board Number: 20762

Summary No.:	V41.RS6.JP13	Component ID:	RS-8-JP13	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Riser Pipe to Restrainer Bracket Circ. Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-443	

Item No.:	V41.RS7	Equal:	2
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Summary No.:	V41.RS7.JP12	Component ID:	RS-7-JP12	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Riser Pipe to Restrainer Bracket Circ. Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-444	

Summary No.:	V41.RS7.JP14	Component ID:	RS-7-JP14	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Riser Pipe to Restrainer Bracket Circ. Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-445	

Item No.:	V41.RS8	Equal:	2
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Summary No.:	V41.RS8.JP11-12	Component ID:	RS-8-JP11&JP12	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Riser Pipe to Primary Riser Brace Circ. Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-446	

Summary No.:	V41.RS8.JP13-14	Component ID:	RS-8-JP13&JP14	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Riser Pipe to Primary Riser Brace Circ. Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-448	

Item No.:	V41.RS9	Equal:	2
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Summary No.:	V41.RS9.JP11-12	Component ID:	RS-9-JP11&JP12	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Riser Pipe to Primary Riser Brace Circ. Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-447	

Summary No.:	V41.RS9.JP13-14	Component ID:	RS-9-JP13&JP14	Exam Method:	EVT-1	Comments / Corrective Measures:
Class: IVE System:	NB	Description:	Jet Pump Riser Pipe to Primary Riser Brace Circ. Weld	Results:	Accept	BWRVIP Examination
Work Order:	4235468			Report No.:	VE-03-449	

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commercial Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Exam Credit: XMAUG Equal: 65**Category: REC Equal: 65****Item No.: A11.12.37 Equal: 8**

Summary No.:	A11.12.37085	Component ID:	2848-2-W19	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	PIPE TO ELBOW	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235387			Report No.:	VE-03-033	
Summary No.:	A11.12.37086	Component ID:	2848-2-W20	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	ELBOW TO PIPE	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235387			Report No.:	VE-03-034	
Summary No.:	A11.12.37087	Component ID:	2848-2-W21	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	PIPE TO FLANGE	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235387			Report No.:	VE-03-035	
Summary No.:	A11.12.37095	Component ID:	2848-2-W28	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	FLANGE TO TEE	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235387			Report No.:	VE-03-032	
Summary No.:	A11.12.37096	Component ID:	2848-2-W29	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	FLANGE TO TEE	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235387			Report No.:	VE-03-031	
Summary No.:	A11.12.37097	Component ID:	2848-2-W30	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	TEE TO CONC. REDUCER	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235387			Report No.:	VE-03-030	
Summary No.:	A11.12.37138	Component ID:	2848-2-W31	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	CONC. REDUCER TO FLANGE (HTX)	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235387			Report No.:	VE-03-029	
Summary No.:	A11.12.37134	Component ID:	2848-2-W95	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	PIPE TO 12X10 CONC. REDUCER	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235387			Report No.:	VE-03-028	
Item No.:	A11.12.40	Equal:	15			
Summary No.:	A11.12.40051	Component ID:	2848-9-W10	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	PIPE TO ELBOW	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235393			Report No.:	VE-03-022	
Summary No.:	A11.12.40063	Component ID:	2848-9-W23	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	ELBOW TO PIPE	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235393			Report No.:	VE-03-024	

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Summary No.: A11.12.40084	Component ID: 2848-9-W24	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-025	
Summary No.: A11.12.40086	Component ID: 2848-9-W26	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: TEE TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-027	
Summary No.: A11.12.40001	Component ID: 2848-9-W28	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-036	
Summary No.: A11.12.40002	Component ID: 2848-9-W29	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-037	
Summary No.: A11.12.40003	Component ID: 2848-9-W30	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-019	Recordable Indication within allowable flaw sizes. Reference Notification 10224623. Repaired during RE21 reference Work Order Number 4293898.
Summary No.: A11.12.40047	Component ID: 2848-9-W6	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-001	
Summary No.: A11.12.40013	Component ID: 2848-9-W66	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-038	
Summary No.: A11.12.40014	Component ID: 2848-9-W67	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-039	
Summary No.: A11.12.40015	Component ID: 2848-9-W68	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-040	
Summary No.: A11.12.40048	Component ID: 2848-9-W7	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-026	
Summary No.: A11.12.40049	Component ID: 2848-9-W8	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-020	

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Summary No.: A11.12.40050	Component ID: 2848-9-W9	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-021	
Summary No.: A11.12.40097	Component ID: 2848-9-WC	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235393		Report No.: VE-03-023	
Item No.: A11.12.41 Equal: 2			
Summary No.: A11.12.41002	Component ID: 2848-14-W27	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235388		Report No.: VE-03-064	
Summary No.: A11.12.41015	Component ID: 2848-14-W65	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235388		Report No.: VE-03-065	
Item No.: A11.12.42 Equal: 9			
Summary No.: A11.12.42033	Component ID: 2848-15-W26	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235390		Report No.: VE-03-074	
Summary No.: A11.12.42034	Component ID: 2848-15-W27	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235390		Report No.: VE-03-068	
Summary No.: A11.12.42035	Component ID: 2848-15-W28	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235390		Report No.: VE-03-069	
Summary No.: A11.12.42013	Component ID: 2848-15-W36	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235389		Report No.: VE-03-076	
Summary No.: A11.12.42014	Component ID: 2848-15-W37	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235389		Report No.: VE-03-077	
Summary No.: A11.12.42022	Component ID: 2848-15-W4	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235390		Report No.: VE-03-066	
Summary No.: A11.12.42023	Component ID: 2848-15-W5	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235390		Report No.: VE-03-067	

1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

Tuesday, June 17, 2003

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Summary No.: A11.12.42017	Component ID: 2848-15-WG	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: VALVE (REC-V-102) TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235389		Report No.: VE-03-063	
Summary No.: A11.12.42018	Component ID: 2848-15-WJ	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235389		Report No.: VE-03-078	
Item No.: A11.12.43	Equal: 4		
Summary No.: A11.12.43011	Component ID: 2848-16-W50	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235385		Report No.: VE-03-091	
Summary No.: A11.12.43012	Component ID: 2848-16-W51	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235385		Report No.: VE-03-071	
Summary No.: A11.12.43019	Component ID: 2848-16-W80	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235385		Report No.: VE-03-072	
Summary No.: A11.12.43020	Component ID: 2848-16-W81	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235385		Report No.: VE-03-073	
Item No.: A11.12.44	Equal: 5		
Summary No.: A11.12.44010	Component ID: 2848-16-W1	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235385		Report No.: VE-03-087	
Summary No.: A11.12.44026	Component ID: 2848-16-W32	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235385		Report No.: VE-03-089	
Summary No.: A11.12.44027	Component ID: 2848-16-W33	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235385		Report No.: VE-03-090	
Summary No.: A11.12.44013	Component ID: 2848-16-W4	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235385		Report No.: VE-03-088	
Summary No.: A11.12.44031	Component ID: 2848-16-WC	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235385		Report No.: VE-03-086	
Item No.: A11.12.48	Equal: 17		

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Summary No.: A11.12.48001	Component ID: 2848-54-W2	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235384		Report No.: VE-03-044	
Summary No.: A11.12.48013	Component ID: 2848-54-W21	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235384		Report No.: VE-03-080	
Summary No.: A11.12.48014	Component ID: 2848-54-W22	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: FLANGE TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235384		Report No.: VE-03-018	
Summary No.: A11.12.48015	Component ID: 2848-54-W23	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235384		Report No.: VE-03-081	
Summary No.: A11.12.48016	Component ID: 2848-54-W24	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235384		Report No.: VE-03-082	
Summary No.: A11.12.48017	Component ID: 2848-54-W25	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235384		Report No.: VE-03-042	
Summary No.: A11.12.48018	Component ID: 2848-54-W26	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235384		Report No.: VE-03-083	
Summary No.: A11.12.48019	Component ID: 2848-54-W27	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235384		Report No.: VE-03-075	
Summary No.: A11.12.48020	Component ID: 2848-54-W28	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235384		Report No.: VE-03-084	
Summary No.: A11.12.48021	Component ID: 2848-54-W29	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO VALVE (REC-V-98)	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235384		Report No.: VE-03-043	
Summary No.: A11.12.48002	Component ID: 2848-54-W3	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: ELBOW TO PIPE	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235384		Report No.: VE-03-045	
Summary No.: A11.12.48003	Component ID: 2848-54-W4	Exam Method: Manual UT	Comments / Corrective Measures:
Class: REC System: REC	Description: PIPE TO ELBOW	Results: Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order: 4235384		Report No.: VE-03-046	

Attachment 1, RFO21: Inservice Inspection Report

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1. Owner, NPPD P.O. Box 499 Columbus, NE 6860
2. Plant: Cooper Nuclear Station P.O. Box 98 Brownville, NE 68321
3. Plant Unit: 1

4. Commerical Service Date: July, 1974
5. Owner Certification of Authorization: N/A
6. National Board Number: 20762

Tuesday, June 17, 2003

Summary No.:	A11.12.48004	Component ID:	2848-54-W5	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	ELBOW TO PIPE	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235384			Report No.:	VE-03-050	
Summary No.:	A11.12.48005	Component ID:	2848-54-W6	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	PIPE TO ELBOW	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235384			Report No.:	VE-03-047	
Summary No.:	A11.12.48006	Component ID:	2848-54-W7	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	ELBOW TO PIPE	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235384			Report No.:	VE-03-041	
Summary No.:	A11.12.48007	Component ID:	2848-54-W8	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	PIPE TO ELBOW	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235384			Report No.:	VE-03-048	
Summary No.:	A11.12.48008	Component ID:	2848-54-W9	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	ELBOW TO PIPE	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235384			Report No.:	VE-03-049	
Item No.:	A11.12.50	Equal:	5			
Summary No.:	A11.12.50001	Component ID:	2848-56-W1	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	FLANGE TO VALVE (REC-V-102)	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235389			Report No.:	VE-03-061	
Summary No.:	A11.12.50002	Component ID:	2848-56-W3	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	ELBOW TO FLANGE	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235389			Report No.:	VE-03-070	
Summary No.:	A11.12.50003	Component ID:	2848-56-W5	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	PIPE TO ELBOW	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235389			Report No.:	VE-03-062	
Summary No.:	A11.12.50004	Component ID:	2848-56-W6	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	ELBOW TO PIPE	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235389			Report No.:	VE-03-079	
Summary No.:	A11.12.50005	Component ID:	2848-56-W7	Exam Method:	Manual UT	Comments / Corrective Measures:
Class: REC System:	REC	Description:	PIPE TO ELBOW	Results:	Accept	Examination performed per Augmented ISI Program Section 11.12.
Work Order:	4235389			Report No.:	VE-03-085	

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

As required by the Provisions of the ASME Code Section XI

1. Owner: Nebraska Public Power District Date: July 10, 2003
P.O. Box 98
Brownville, Nebraska 68321 Sheet 1 of 17
2. Plant: Cooper Nuclear Station Unit One
P.O. Box 98
Brownville, Nebraska 68321 N/A
Repair Organization, P.O. No., Job No., etc.
3. Work Performed by: NPPD Type Code Symbol Stamp N/A
P.O. Box 98 Authorization No. N/A
Brownville, Nebraska 68321 Expiration Date N/A
4. Identification of System As shown in the Attached Table
5. (a) Applicable Construction Code As shown in the Attached Table
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements:
1989 Edition including 1989 Addenda & 1992 Edition including 1992 Addenda (IWE)
6. Identification of Components Repaired or Replaced and Replacement Components: As shown in the Attached Table
7. Description of Work: As shown in the Attached Table
8. Tests Conducted: As shown in the Attached Table
9. Remarks: Code Case N-416-1 listed in the Third Ten-Year Interval Program was used for Repairs and Replacements:

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and these repairs and replacements conform 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] for William ESD Manager Date 7-10-03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Nebraska and Employed by Hartford Steam Boiler Inspection and Insurance Company of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period January 2, 2002 to April 20, 2003, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 Owners'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]
Inspector's Signature

Commissions NB 11047 A, N, I, C, NS
National Board, State, Province, and Endorsements

Date July 10, 2003

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As required by the Provisions of the ASME Code Section XI
Nebraska Public Power District
Cooper Nuclear Station
Unit 1, P.O. Box 98, Brownville, Nebraska 68321

WO	R/R RECORD	SYST	Name of Component	Mfgr. Serial No	C I	Name of Manufacturer	Nat'l Board No.	Description of Work	Applicable Constr. Code	Year Built	Repaired or Replaced	ASME Code Stamp	Pressure Tests Conducted, Code Cases
4160595	N/A	REC	REC-V-181	N/A	3	Edward - Vogt	N/A	Replace Valve & Piping	B31.1 - 1967	1969	Replaced	N/A	00-276
4160678	02-026	REC	REC-FS-481	N/A	3	JELCO	N/A	Replace Flow Switch with Pipe Plug	B31.1 - 1967	1969	Replaced	N/A	02-315
4175826	N/A	SW	SW-MOV- 650MV	N/A	3	HENRY PRATT	N/A	Replace Valve	B31.1 - 1967	1969	Replaced	N/A	01-203
4189998	N/A	SW	SW-P-B	N/A	3	Byron Jackson Div/Borg-Warner	N/A	Replace Pump Bowl Assy.	B31.1 - 1967	1969	Replaced	N/A	01-438
4189998	N/A	SW	SW-CV-11CV	N/A	3	ATWOOD & MORRILL	N/A	Replace Valve	B31.1 - 1967	1969	Replaced	N/A	01-438
4192174	N/A	REC	REC-P-A	N/A	3	COLT Industries	N/A	Replace Pump	B31.1 - 1967	1969	Replaced	N/A	01-313
4199753	02-001	REC	REC-HX-A	N/A	3	Southwestern Engineering Co.	N/A	Repaired Waterbox by Welding	ASME VIII 1968 Edition	1969	Repaired	YES	01-534, N-416-1
4199754	02-007	REC	REC-HX-B	27031	3	Southwestern Engineering Co.	N/A	Repaired Waterbox by welding	ASME VIII 1968 Edition	1969	Repaired	YES	01-535, N-416-1
4216001	03-043	RWCU	RWCU-CV- 15CV	N/A	1	Anchor Darling	N/A	Replaced Bonnet	B31.7 - 1969	1969	Replaced	N/A	03-159
4217239	02-003	DGLO, DGJW	DGLO-HX-LO1, DGJW-HX-JW1	N/A	3	American Standard	N/A	Installed Mechanical Tube Plugs	ASME VIII 1968 Edition	1969	Replaced	N/A	N/A
4223247	02-021	SW	SW-CV-28CV	N/A	3	Atwood & Morrill	N/A	Replace Valve	B31.1-1967	1969	Replaced	N/A	02-335
4223168	02-032	DG	DG-1	N/A	3	PERFEX	N/A	Replace bolt & flex hose	B31.1 - 1967	1969	Replaced	N/A	02-273
4223196	03-038	PC	DRYWELL	C-4448	M C	Chicago Bridge & Iron	N/A	Replace Bolts	ASME III 1965	1969	Replaced	YES	6.PC.525
4223246	02-022	SW	SW-CV-27CV	N/A	3	Atwood & Morrill	N/A	Replace Valve	B31.1-1967	1969	Replaced	N/A	02-334

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As required by the Provisions of the ASME Code Section XI
Nebraska Public Power District
Cooper Nuclear Station
Unit 1, P.O. Box 98, Brownville, Nebraska 68321

WO	R/R RECORD	SYST	Name of Component	Mfgr. Serial No	C I	Name of Manufacturer	Nat'l Board No.	Description of Work	Applicable Constr. Code	Year Built	Repaired or Replaced	ASME Code Stamp	Pressure Tests Conducted, Code Cases
4223307	02-010	MS	MS-RV-71ARV	376	1	TARGET ROCK	N/A	Replace Pilot Assy.	ASME III 1968 Edition w/S70' Add.	1969	Replaced	N/A	6.MISC.502
4223308	02-011	MS	MS-RV-71BRV	382	1	TARGET ROCK	N/A	Replace Pilot Assy.	ASME III 1968 Edition w/S70' Add.	1969	Replaced	N/A	6.MISC.502
4223309 7000960	02-012, 02-023	MS	MS-RV-71DRV	384/381	1	TARGET ROCK	N/A	Replace Valve, Pilot Assy, and nuts w/spline nuts	ASME III 1968 Edition w/S70' Add.	1969	Replaced	N/A	6.MISC.502
4223310	02-013	MS	MS-RV-71FRV	380	1	TARGET ROCK	N/A	Replace Pilot Assy.	ASME III 1968 Edition w/S70' Add.	1969	Replaced	N/A	6.MISC.502
4223311 7000960	02-014, 02-018	MS	MS-RV-71CRV	382/385	1	TARGET ROCK	N/A	Replace Valve, Pilot Assy., and nuts w/spline nuts	ASME III 1968 Edition w/S70' Add.	1969	Replaced	N/A	6.Misc.502
4223312	02-015	MS	MS-RV-71ERV	338	1	TARGET ROCK	N/A	Replace Pilot Assy.	ASME III 1968 Edition w/S70' Add.	1969	Replaced	N/A	6.MISC.502
4223313	02-016	MS	MS-RV-71HRV	377	1	TARGET ROCK	N/A	Replace Pilot Assy.	ASME III 1968 Edition w/S70' Add.	1969	Replaced	N/A	6.MISC.502
4223314	02-017	MS	MS-RV-71GRV	384	1	TARGET ROCK	N/A	Replace Pilot Assy.	ASME III 1968 Edition w/S70' Add.	1969	Replaced	N/A	6.MISC.502
4226850	02-124	RHR	RH-S20	7789	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4232753	02-020	SW	SW-H196	N/A	3	JELCO	N/A	Replace Hanger	B31.1 - 1967	1969	Replaced	N/A	N/A
4233097	02-008	REC	REC-P-D	N/A	3	COLT Industries	N/A	Replace Pump	B31.1 - 1967	1969	Replaced	N/A	02-113
4235692	02-102	SW	SW-V-160	N/A	3	JELCO	N/A	Replace Pipe	B31.1 - 1967	1969	Replaced	N/A	02-387, N-416-1

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As required by the Provisions of the ASME Code Section XI
Nebraska Public Power District
Cooper Nuclear Station
Unit 1, P.O. Box 98, Brownville, Nebraska 68321

WO	R/R RECORD	SYST	Name of Component	Mfgr. Serial No	C I	Name of Manufacturer	Nat'l Board No.	Description of Work	Applicable Constr. Code	Year Built	Repaired or Replaced	ASME Code Stamp	Pressure Tests Conducted, Code Cases
4235920	02-028	MS	MS-S149B	462	1	Pacific Scientific	N/A	Replace Smbber	B31.7 - 1969	1969	Replaced	N/A	N/A
4236704	03-021	RF	RF-CV-15CV	N/A	1	Anchor Darling	N/A	Replace Seat Ring	B31.7 - 1969	1969	Replaced	N/A	02-518, N-416-1
4236704	03-030	RF	RF-CV-15CV	n/a	1	Anchor Darling	N/A	Replace Disc	B31.7 - 1969	1969	Replaced	N/A	02-518
4241750	02-104	SW	SW-AOV-TCV-451A	N/A	3	MASONEILAN	N/A	Replace Valve	B31.1 - 1967	1969	Replaced	N/A	02-421
4249284	02-129	REC	REC-FS-480	N/A	3	Energy & Process	N/A	Replace flow switch with threaded pipe plug	B31.1 - 1967	1969	Replaced	N/A	02-657
4249664	03-029	SW	SW-V-251	N/A	3	JELCO	N/A	Replace Piping & Valve	B31.1 - 1967	1969	Replaced	N/A	02-338, N-416-1
4249664	03-034	SW	SW-Pipe	N/A	3	JELCO	N/A	Replace Dead Leg with Patch	B31.1 - 1967	1969	Replaced	N/A	02-338, N-416-1
4249664	02-150	SW	SW-Piping	N/A	3	JELCO	N/A	Replace Piping	B31.1 - 1967	1969	Replaced	N/A	02-338, N-416-1
4249664	02-151	SW	SW-Piping	N/A	3	JELCO	N/A	Replaced Piping	B31.1 - 1967	1969	Replaced	N/A	02-338, N-416-1
4249664	02-152	SW	SW-S28	N/A	3	JELCO	N/A	Repair Piping Support	B31.1 - 1967	1969	Repaired	N/A	N/A
4249664	03-035	SW	SW-S29	N/A	3	JELCO	N/A	Repair Piping Support	B31.1 - 1967	1969	Repaired	N/A	N/A
4251417	02-025	MS	Pipe	N/A	2	JELCO	N/A	Replace Studs & Nuts	B31.7 - 1969	1969	Replaced	N/A	02-313
4253760	02-153	SW	SW-Piping	N/A	3	JELCO	N/A	Replace Piping	B31.1 - 1967	1969	Replaced	N/A	02-349, N-416-1
4253760	02-154	SW	SW-Piping	N/A	3	JELCO	N/A	Replace Piping	B31.1 - 1967	1969	Replaced	N/A	02-349, N-416-1
4253760	02-155	SW	SW-S23 & SW-S24	N/A	3	JELCO	N/A	Repair Piping Support	B31.1 - 1967	1969	Repaired	N/A	N/A
4253760	03-009	SW	SW-V-1282	N/A	3	DeZURIK	N/A	Replace Valve	B31.1 - 1967	1969	Replaced	N/A	02-349
4253760	03-031	SW	SW-V-1282	N/A	3	NOVA	N/A	Replace Flange Bolt	B31.1 - 1967	1969	Replaced	N/A	02-349
4253760	03-028	SW	SW-V-250	N/A	3	JELCO	N/A	Replace Piping & Valve	B31.1 - 1967	1969	Replaced	N/A	02-349, N-416-1

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As required by the Provisions of the ASME Code Section XI
Nebraska Public Power District
Cooper Nuclear Station
Unit 1, P.O. Box 98, Brownville, Nebraska 68321

WO	R/R RECORD	SYST	Name of Component	Mfgr. Serial No	C I	Name of Manufacturer	Nat'l Board No.	Description of Work	Applicable Constr. Code	Year Built	Repaired or Replaced	ASME Code Stamp	Pressure Tests Conducted, Code Cases
4254437	02-117	SW	SW-P-BPA	N/A	3	JELCO	N/A	Replace Tee w/ Elbow	B31.1 - 1967	1969	Replaced	N/A	02-579
4256490	02-127	SW	SW-P-A	02JC11 30s	3	JOHNSTON	N/A	Replace Bowl Assy. & Bolting	B31.1 - 1967	1969	Replaced	N/A	02-633
4256490	02-132	SW	SW-EXPI-SWPA	N/A	3	GARLOCK	N/A	Replace Expansion Joint	B31.1 - 1967	1969	Replaced	N/A	02-633
4256490	02-137	SW	SW-P-A	N/A	3	Byron Jackson	N/A	Replace Columns & Discharge Head	B31.1 - 1967	1969	Replaced	N/A	02-633
4256490	02-138	SW	SW-P-A	N/A	3	NOVA	N/A	Replace Column Studs	B31.1 - 1967	1969	Replaced	N/A	02-633
4256490	02-145	SW	SW-EXPI-SWPA	N/A	3	NOVA	N/A	Replace Bolts & Nuts	B31.1 - 1967	1969	Replaced	N/A	02-633
4256491	02-141	SW	SW-P-B	02JC11 33s	3	JOHNSTON	N/A	Replace Bowl Assy. & Bolting	B31.1 - 1967	1969	Replaced	N/A	02-692
4256491	03-003	SW	SW-EXPI-SWPB	N/A	3	GARLOCK	N/A	Replace Expansion Joint	B31.1 - 1967	1969	Replaced	N/A	02-692
4256491	03-004	SW	SW-P-B	N/A	3	Byron Jackson	N/A	Replace Columns & Discharge Head	B31.1 - 1967	1969	Replaced	N/A	02-692
4256491	03-005	SW	SW-P-B	N/A	3	NOVA	N/A	Replace Column Studs, Bolts, & Nuts	B31.1 - 1967	1969	Replaced	N/A	02-692
4256492	02-125	SW	SW-P-C	02JC11 32s	3	JOHNSTON	N/A	Replace Bowl Assy. & Bolting	B31.1 - 1967	1969	Replaced	N/A	02-632
4256492	03-008	SW	SW-P-C	N/A	3	Nova Machine	N/A	Replace Column Studs, Bolts, & Nuts	B31.1 - 1967	1969	Replaced	N/A	02-632
4256492	03-001	SW	SW-P-C	N/A	3	Byron Jackson	N/A	Replace Pump Columns & Discharge Head	B31.1 - 1967	1969	Replaced	N/A	02-632
4256492	03-002	SW	SW-EXPI-SWPC	N/A	3	GARLOCK	N/A	Replace Expansion Joint	B31.1 - 1967	1969	Replaced	N/A	02-632
4256493	02-142	SW	SW-P-D	02JC11 31s	3	JOHNSTON	N/A	Replace Pump Bowl Assy.	B31.1 - 1967	1969	Replaced	N/A	02-680

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4256493	02-143	SW	SW-EXPJ-SWPD	N/A	3	GARLOCK	N/A	Replace Expansion Joint	B31.1 - 1967	1969	Replaced	N/A	02-680
4256493	02-144	SW	SW-P-D	N/A	3	Byron Jackson	N/A	Replace Pump Columns & Discharge Head	B31.1 - 1967	1969	Replaced	N/A	02-680
4256495	02-128	SW	SW-CV-10CV	1- 51271-A	3	Atwood & Morrill	N/A	Replace Valve	B31.1 - 1967	1969	Replaced	N/A	02-643
4256496	02-140	SW	SW-CV-11CV	N/A	3	Atwood & Morrill	N/A	Replace Valve	B31.1 - 1967	1969	Replaced	N/A	02-701
4256497	02-126	SW	SW-CV-12CV	N/A	3	Atwood & Morrill	N/A	Replace Valve	B31.1 - 1967	1969	Replaced	N/A	02-634
4256497	03-012	SW	SW-EXPJ-SWPC	N/A	3	GARLOCK	N/A	Replace Bolting	B31.1 - 1967	1969	Replaced	N/A	02-632
4256497	03-014	SW	SW-EXPJ-SWPC	N/A	3	NOVA	N/A	Replace Bolts & Adjust	B31.1 - 1967	1969	Replaced	N/A	02-632
4256498	02-136	SW	SW-CV-13CV	N/A	3	Atwood & Morrill	N/A	Replace Valve	B31.1 - 1967	1969	Replaced	N/A	02-679
4258333	02-029	MS	VR-S31	25256	3	Pacific Scientific	N/A	Replace Smubber	ASME III 77 w/S 77 Add.	1969	Replaced	N/A	N/A
4258334	02-030	MS	VR-S3	8141M	3	Pacific Scientific	N/A	Replace Smubber	ASME III 77 w/ S 77 Add.	1969	Replaced	N/A	N/A
4258335	02-031	RHR	RH-S11	8142M	1	Pacific Scientific	N/A	Replace Smubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258336	02-032	RHR	RH-S14	460M	1	Pacific Scientific	N/A	Replace Smubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258337	02-033	MS	VR-58-12-Y	493	3	Pacific Scientific	N/A	Replace Smubber	ASME III 77 w/S 77 Add.	1969	Replaced	N/A	N/A
4258338	02-034	MS	VR-S4	494	3	Pacific Scientific	N/A	Replace Smubber	ASME III 77 w/S 77 Add.	1969	Replaced	N/A	N/A
4258339	02-035	RF	RF-S17	5890	1	Pacific Scientific	N/A	Replace Smubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258400	02-036	RF	RF-S14	8138M	1	Pacific Scientific	N/A	Replace Smubber	B31.1 - 1967	1969	Replaced	N/A	N/A

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4258401	02-037	MS	VR-H64D	5230	3	Pacific Scientific	N/A	Replace Snubber	ASME III 77' w/S 77' Add.	1969	Replaced	N/A	N/A
4258402	02-038	MS	SS-B3	480	1	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258403	02-039	RR	SS-5B	5298	1	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258404	02-040	RR	SS-1A	5309	1	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258405	02-041	RR	SS-2A	5313	1	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258406	02-042	MS	VR-S7B	5322	3	Pacific Scientific	N/A	Replace Snubber	ASME III 77' w/S 77' Add.	1969	Replaced	N/A	N/A
4258407	02-043	MS	BS-S1B&R	353	2	Pacific Scientific	N/A	Replace Snubber	ASME III 77' w/S 77' Add.	1969	Replaced	N/A	N/A
4258408	02-044	MS	MS-S16B	8101	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258409	02-045	RHR	RH-S77	8579	2	GRINNELL	N/A	Replace Snubber	ASME III 77' w/S 77' Add.	1969	Replaced	N/A	N/A
4258410	02-046	RHR	RH-S48B	8159	2	GRINNELL	N/A	Replace Snubber	ASME III 77' w/S 77' Add.	1969	Replaced	N/A	N/A
4258411	02-047	RHR	RH-S42	8023	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258412	02-048	CS	CS-S11	7767	1	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258413	02-049	MS	MS-S3	10048	2	GRINNELL	N/A	Replace Snubber	ASME III 77' w/S 77' Add.	1969	Replaced	N/A	N/A
4258414	02-050	RWCU	CU-S3B	455	1	Pacific Scientific	N/A	Replace Snubber	ASME III 83'	1969	Replaced	N/A	N/A
4258415	02-051	MS	VR-S10	15368	3	Pacific Scientific	N/A	Replace Snubber	ASME III 77' w/S 77' Add.	1969	Replaced	N/A	N/A
4258416	02-052	PC	PV-S1AB	393	2	Pacific Scientific	N/A	Replace Snubber	ASME III 77' w/S 77' Add.	1969	Replaced	N/A	N/A

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4258417	02-053	MS	VR-S62B	403	3	Pacific Scientific	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258418	02-054	RHR	RH-S8A	407	1	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258419	02-055	RF	RF-S19	416	1	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258420	02-056	RHR	RH-S68	417	1	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258420	03-042	RHR	RH-S68	482	1	Pacific Scientific	N/A	Replace Bracket Bolts	B31.1 - 1967	1969	Replaced	N/A	N/A
4258421	02-057	RHR	RH-S58	459M	2	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258422	02-058	MS	VR-S8	471	3	Pacific Scientific	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258423	02-059	MS	VR-59-7-X	475	3	Pacific Scientific	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258425	02-061	MS	VR-S88	404	3	Pacific Scientific	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258426	02-062	MS	VR-S85	4883	3	Pacific Scientific	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258427	02-063	RHR	RH-S8C	5220	2	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258428	02-064	MS	VR-S51	547	3	Pacific Scientific	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258429	02-065	RR	SS-2B	12644	1	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258430	02-066	RR	SS-5A	12645	1	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258431	02-067	MS	VR-S7A	341	3	Pacific Scientific	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258432	02-068	RHR	RH-S10	9908	1	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A

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4258433	02-069	RR	SS-3A2	355	1	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258434	02-070	RHR	RH-S9	5300	1	Pacific Scientific	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258435	02-071	HPCI	HP-S15	10058	3	GRINNELL	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258436	02-072	RHR	RH-S98	7729	2	GRINNELL	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258437	02-073	RHR	RH-S22	7734	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258438	02-074	MS	MS-S19	7778	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258439	02-076	MS	BS-S116B	7782	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258440	02-077	CS	CS-S3	7784	1	GRINNELL	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258441	02-078	REC	RCC-S20	7791	3	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258442	02-079	MS	MS-S2	7804	2	GRINNELL	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258444	02-080	RHR	RH-S44B	8020	2	GRINNELL	N/A	Replace Snubber	ASME III 77' wS 77' Add.	1969	Replaced	N/A	N/A
4258445	02-081	RHR	RH-S78B	8079	2	GRINNELL	NA	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	NA	N/A
4258446	02-082	RHR	RH-S30A	8082	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258447	02-083	CS	CS-S1	8097	1	GRINNELL	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258448	02-084	RHR	RH-S27A	8102	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258449	02-085	CS	CS-S2	8105	1	GRINNELL	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A

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4258450	02-086	RHR	RH-S55	8121	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258451	02-087	RHR	RH-S25A	8122	2	GRINNELL	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258452	02-088	RHR	RH-S59	8132	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258453	02-089	RHR	RH-S54	8149	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258454	02-090	RHR	RH-S48A	8158	2	GRINNELL	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258455	02-091	RHR	RH-S24	8160	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258456	02-092	CS	CS-S6	8161	2	GRINNELL	N/A	Replace Snubber	ASME III 77 w/S 77' Add.	1969	Replaced	N/A	N/A
4258457	02-093	MS	MS-S23	8541	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258458	02-094	MS	BS-S116A	8546	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258459	02-095	RHR	RH-S52	8551	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258460	02-096	REC	RCC-S22	8563	3	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258462	02-097	RHR	RH-S96A	8569	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258463	02-098	RHR	RH-S57	8570	2	GRINNELL	N/A	Replace Snubber	B31.1 - 1967	1969	Replaced	N/A	N/A
4258590	02-105	RHR	RHR-HX-A	27051	3	SWECO	N/A	Replace stud	ASME VIII 1968 Edition	1969	Replaced	N/A	02-385
4259892	02-146	SW	SW-STNR-BPB	N/A	3	Tube Turn Tech.	N/A	Replace Closure	B31.1 - 1967	1969	Replaced	N/A	02-638
4265028	02-112	SW	SW-P-BPA	N/A	3	Byron Jackson	N/A	Replace Pump	B31.1 - 1967	1969	Replaced	N/A	02-571
4260016	02-107	SW	SW-MOV- MO89B	N/A	3	Control Components, Inc.	N/A	Replace Plug	B31.1 - 1967	1969	Replaced	N/A	02-543

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4260017	02-108	SW	SW-MOV- MO89A	N/A	3	Control Components, Inc.	N/A	Replace Plug	B31.1 - 1967	1969	Replaced	N/A	02-544
4267006	02-115	SW	SW-P-BPB	N/A	3	JELCO	N/A	Replace Tee w/ Elbow	B31.1 - 1967	1969	Replaced	N/A	02-576
4267007	02-118	SW	SW-P-BPC	N/A	3	JELCO	N/A	Replace Tee w/ Elbow	B31.1 - 1967	1969	Replaced	N/A	02-580
4267008	02-116	SW	SW-P-BPD	N/A	3	JELCO	N/A	Replace Tee w/ Elbow	B31.1 - 1967	1969	Replaced	N/A	02-578
4268127	02-110	SW	SW-Pipe	N/A	3	JELCO	N/A	Replace Pipe	B31.1 -1967	1969	Replaced	N/A	02-512
4269023	02-123	SW	Pipe	N/A	3	JELCO	N/A	Replace Pipe & Elbow	B31.1 - 1967	1969	Replaced	N/A	02-611
4269024	02-139	SW	Pipe	N/A	3	JELCO	N/A	Replace Pipe & Elbow	B31.1 - 1967	1969	Replaced	N/A	02-718
4269025	02-122	SW	Pipe	N/A	3	JELCO	N/A	Replace Pipe & Elbow	B31.1 - 1967	1969	Replaced	N/A	02-610
4272295	02-114	PV	PV-H202	N/A	3	JELCO	N/A	Replace Bolt & Jam Nuts	B31.1-1967	1969	Repaired	N/A	N/A
4272990	02-119	REC	REC-FS-476A & -476C	N/A	3	JELCO	N/A	Replace flow switches with pipe plugs	B31.1 - 1967	1969	Replaced	N/A	02-607
4274312	03-041	REC	REC-FS-476B REC-FS-476D	N/A	3	JELCO	N/A	Replace Flow Switch with Pipe Plug	B31.1 - 1967	1969	Replaced	N/A	02-620
4287200	02-156	SW	SW-P-D	N/A	3	Byron Jackson	N/A	Machine edge of flanges	B31.1 - 1967	1969	Repaired	N/A	02-680
4293898	03-018	REC	REC-2848-9-W30	N/A	3	JELCO	N/A	Repair Weld	B31.1 - 1967	1969	Repaired	N/A	03-060
4296820	03-023	SW	SW-Pipe	N/A	3	JELCO	N/A	Replace eroded pipe	B31.1-1967	1969	Replaced	N/A	03-073, N-416-1
4297589	03-033	HPCI	HPCI-CV-15CV	N/A	2	ANCHOR DARLING	N/A	Replace disc	ASME III 1977 Edition w/S77 Add.	1969	Replaced	N/A	03-083
4297589	03-037	HPCI	HPCI-CV-15CV	N/A	2	ANCHOR DARLING	N/A	Machine Valve Body	ASME III 1977 Edition w/S77 Add.	1969	Repaired	N/A	N/A

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4298558	03-027	SW	SW-AOV-TCV-451B	N/A	3	MASONEILAN	N/A	Replace Valve	B31.1 - 1967	1969	Replaced	N/A	03-085
7000960	02-024	MS	MS-RV-71Spare	383	1	TARGET ROCK	N/A	Replace nuts w/ spline nuts	ASME III 1968 Edition w/S70 Add.	1969	Replaced	N/A	N/A
7000960	03-016	MS	MS-RV-71Pilot	1242	1	TARGET ROCK	N/A	Replace seat in pilot assy.	ASME III 1968 Edition w/S70' Add.	1969	Replaced	N/A	6.MISC.502 (Installed on MS-RV-71HRV)
P.O. 001693	N/A	SW	SW-P-BPA/D	70495C 1214528	3	Johnston Pump Co.	N/A	Weld Build up Pump Casing and Machine to original dimensions	B31.1 - 1967	1969	Repaired	N/A	N/A (will be pressure tested when installed)
P.O. 001693	N/A	SW	SW-P-BPA/D	781-0-0603	3	Johnston Pump Co.	N/A	Weld Build up Pump Casing and Machine to original dimensions	B31.1 - 1967	1969	Repaired	N/A	N/A (will be pressure tested when installed)
P.O. 4500028 016	03-006	SW	SW-P-Parts	N/A	3	Byron Jackson Div. of Borg Warner	N/A	Repair the fits and walls of the pump columns	B31.1 - 1967	1969	Repaired	N/A	N/A (Columns will be tested when installed)
P.O. 4500028 486	03-011	SW	SW-P-Parts	N/A	3	Byron Jackson Div. of Borg Warner	N/A	Repair the fits and walls of the pump columns	B31.1 - 1967	1969	Repaired	N/A	N/A (Columns will be tested when installed)
THESE	WORK	ITEMS	CORRECTED	FROM		LAST OUTAGE		<i>IN ITALICS</i>					
4159603		REC	R EC pipe weld W51	N/A	3	NPPD	N/A	Repair cracked weld	B31.1-1967	1969	Repaired	N/A	01-169, N-416-1
4159623		PC	Vent Ring Header	C-4448	M C	Chicago Bridge & Iron	N/A	Repair weld burn through	ASME III, 1965 Edition w/ W. 67' Add.	1969	Repaired	YES	6.PC.503

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4159624		PC	Torus Support	C-4448	M C	Chicago Bridge & Iron	N/A	Repair Indication in Weld	ASME III, 1965 Edition w/ W. 67' Add.	1969	Repaired	YES	N/A
4159629		PC	Vent Ring Header	C-4448	M C	Chicago Bridge & Iron	N/A	Repair weld burn through	ASME III, 1965 Edition w/ W. 67' Add.	1969	Repaired	YES	6.PC.503
4159767		HPCI	HPCI-CV-10CV	N/A	2	Anchor Darling	N/A	Replaced tack weld on disc nut	B31.7 - 1969	1969	Replaced	N/A	01-004
4159946		RHR	RHR-MOV- MO39B	N/A	2	Anchor Darling	N/A	Repair drilled hole in disc by welding. Drill new hole	B31.7 - 1969	1969	Repaired	N/A	01-270, 6.PC.501
4159947		HPCI	HPCI-MOV- MO58	N/A	2	Anchor Darling	N/A	Drill hole in valve disc	B31.7 - 1969	1969	Repaired	N/A	01-274, 6.PC.501
4159954		MS	MS-MO-MO77	N/A	1	Anchor Valve Co.	N/A	Replace Valve by Welding	B31.7 - 1969	1969	Replaced	N/A	01-689, N-416-1
4159962		RCIC	RCIC-CV-20CV	N/A	2	Crane-Aloyco	N/A	Replace disc stud locking nut	B31.7 - 1969	1969	Replaced	N/A	N/A
4159978		RHR	RHR-MOV- MO39A	N/A	2	Anchor Darling	N/A	Drill hole in Valve Disc	B31.7 - 1969	1969	Repaired	N/A	01-272, 6.PC.501
4159978		RHR	RHR-MOV- MO39A	N/A	2	NOVA Mach. Prod.	N/A	Replace Bonnet Studs	B31.7 - 1969	1969	Replaced	N/A	01-272
4160040		HPCI	HPCI-CV-15CV	N/A	2	Anchor Darling	N/A	Replace valve and add new piping	B31.1 - 1969	1969	Replaced	N/A	01-487, N-416-1, 6.PC.501
4160511		RHR	RHR-MOV- MO38A	N/A	2	Anchor Darling	N/A	Repair by removing tack weld	B31.7 - 1969	1969	Repaired	N/A	01-281
4163678 (2)		RHR	RHR-RV-17RV	N/A	2	Consolidated	N/A	Replaced valve & piping	B31.7 - 1969	1969	Replaced	N/A	00-123

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As required by the Provisions of the ASME Code Section XI

Nebraska Public Power District

Cooper Nuclear Station

Unit 1, P.O. Box 98, Brownville, Nebraska 68321

WO	R/R RECORD	SYST	Name of Component	Mfgr. Serial No	C I	Name of Manufacturer	Nat'l Board No.	Description of Work	Applicable Constr. Code	Year Built	Repaired or Replaced	ASME Code Stamp	Pressure Tests Conducted, Code Cases
4164382		RHR	RH-S65A	8378	2	Pacific Scientific	N/A	Replaced snubber	ASME III 1977 Edition w/ S. 77' Add.	1969	Replaced	N/A	N/A
4164385		RHR	RH-S65B	458	2	Pacific Scientific	N/A	Replaced Snubber	ASME III 1977 Edition w/ S. 77' Add.	1969	Replaced	N/A	N/A
4164386		MS	VR-S87B	401	3	Pacific Scientific	N/A	Replaced Snubber	ASME III, 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4164390		MS	VR-S81	7019	3	Pacific Scientific	N/A	Replaced Snubber	ASME III, 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4164391		MS	VR-59-7-Z	478	3	Pacific Scientific	N/A	Replaced Snubber	ASME III, 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4164393		MS	VR-H61D	402	3	Pacific Scientific	N/A	Replaced Snubber	ASME III, 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4164395		MS	VR-S83A	15147	3	Pacific Scientific	N/A	Replaced Snubber	ASME III, 1977 Edition w/ S. 77' Add.	1969	Replaced	N/A	N/A
4164613		RF	RF-S12	17205	1	Pacific Scientific	N/A	Replaced Snubber	B31.1-1967	1969	Replaced	N/A	N/A
4164704		MS	VR-55-23-Z	5320	3	Pacific Scientific	N/A	Replaced Snubber	ASME III 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4164717		CS	CS-S7	10051	2	Grinnell	N/A	Replaced Snubber	ASME III 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A

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WO	R/R RECORD	SYST	Name of Component	Mfgr. Serial No	C 1	Name of Manufacturer	Nat'l Board No.	Description of Work	Applicable Constr. Code	Year Built	Repaired or Replaced	ASME Code Stamp	Pressure Tests Conducted, Code Cases
4164740		RHR	RH-S78B	8079	2	Grinnell	N/A	Replaced Snubber	ASME III 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4180095		RHR	RHR-MOV- MO16B	N/A	2	Anchor Darling	N/A	Replaced B/B studs/nuts	B31.7 -1969	1969	Replaced	N/A	01-219
4183975		RF	RF-CV-16CV	N/A	1	Anchor Darling	N/A	Replace hinge cover studs	B31.7 -1969	1969	Replaced	N/A	01-605, 6.PC.501
4184038		RCIC	RCIC-RD-S240	N/A	2	Black Sivals & Bryson	N/A	Replaced rupture disc	B31.7 -1969	1969	Replaced	N/A	01-387
4184060		HPCI	HPCI-RD-S241	N/A	2	Black Sivals & Bryson	N/A	Replaced rupture disc	B31.7 -1969	1969	Replaced	N/A	01-388
4184060		HPCI	HPCI-RD-S241	N/A	2	NOVA Machine	N/A	Replaced studs	B31.7 -1969	1969	Replaced	N/A	01-388
4187057 (2)		MS	MS-RV-71ARV	376, 376	1	Target Rock	N/A	Replaced valve body & pilot, & hex nuts with splined nuts	ASME III 1968 Edition, W/S70' Add.	1969	Replaced	N/A	6.MISC.502
4190074		MS	MS-RV-71BRV	380, 382	1	Target Rock	N/A	Replaced valve body & pilot	ASME III 1968 Edition, W/S70' Add.	1969	Replaced	N/A	6.MISC.502
4190074		MS	MS-RV-71BRV	380	1	Target Rock Corp.	N/A	Replace hex nut with splined nut	ASME III 1968 Edition, W/S70' Add.	1969	Replaced	N/A	6.MISC.502
4190074		MS	MS-RV-71BRV	380	1	Target Rock Corp.	N/A	Machined inlet flange surfaces	ASME III 1968 Edition, W/S70' Add.	1969	Repaired	N/A	6.MISC.502
4190075		MS	MS-RV-71DRV	378	1	Target Rock	N/A	Replaced Pilot Assy.	ASME III 1968 Edition, W/S70' Add.	1969	Replaced	N/A	6.MISC.502

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WO	R/R RECORD	SYST	Name of Component	Mfgr. Serial No	C I	Name of Manufacturer	Nat'l Board No.	Description of Work	Applicable Constr. Code	Year Built	Repaired or Replaced	ASME Code Stamp	Pressure Tests Conducted, Code Cases
4190076		MS	MS-RV-71FRV	380	1	Target Rock	N/A	Replaced Pilot Assy.	ASME III 1968 Edition, W/S70' Add.	1969	Replaced	N/A	6.MISC.502
4190077		MS	MS-RV-71CRV	386	1	Target Rock	N/A	Replaced Pilot Assy.	ASME III 1968 Edition, W/S70' Add.	1969	Replaced	N/A	6.MISC.502
4190078		MS	MS-RV-71-ERV	383	1	Target Rock	N/A	Replaced Pilot Assy.	ASME III 1968 Edition, W/S70' Add.	1969	Replaced	N/A	6.MISC.502
4190079 (2)		MS	MS-RV-71HRV	377, 377	1	Target Rock	N/A	Replaced valve body & pilot, & hex nuts with splined nuts	ASME III 1968 Edition, W/S70' Add.	1969	Replaced	N/A	6.MISC.502
4190100		MS	MS-RV-71GRV	384	1	Target Rock	N/A	Replaced Pilot Assy.	ASME III 1968 Edition, W/S70' Add.	1969	Replaced	N/A	6.MISC.502
4200917		RCIC	RCIC-V-42	N/A	2	Velan, Anderson- Greenwood	N/A	Replaced valve and added new valve	B31.7 -1969	1969	Replaced	N/A	01-529, 6.PC.519
4202850		RHR	RH-S49	394	2	Pacific Scientific	N/A	Replaced snubber	ASME III 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4205891		MS	VR-S11	487	3	Pacific Scientific	N/A	Replaced snubber	ASME III 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4205892		MS	VR-S86A	5217	3	Pacific Scientific	N/A	Replaced snubber	ASME III 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4205988		MS	VR-S60	5301	3	Pacific Scientific	N/A	Replaced snubber	ASME III 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A

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4205990		MS	VR-S27	345	3	Pacific Scientific	N/A	Replaced snubber	ASME III 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4205992		MS	VR-S12	5323	3	Pacific Scientific	N/A	Replaced snubber	ASME III 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4205997		MS	VR-56-24-X	10797	3	Pacific Scientific	N/A	Replaced snubber	ASME III 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4205998		MS	VR-55-26-Z	5310	3	Pacific Scientific	N/A	Replaced snubber	ASME III 1977 Edition, w/ S. 77' Add.	1969	Replaced	N/A	N/A
4211015		HPCI	HPCI-MOV- 15MO	N/A	1	Anchor Darling	N/A	Repaired valve body by grinding	B31.7 -1969	1969	Repaired	N/A	6.MISC.502
PO4500 020233		RF	RF-CV-Discs	N/A	1	Floserve	N/A	Repaired new discs by adding hardfacing	B31.7 -1969	1969	Replaced	N/A	N/A