



Commonwealth Edison
1400 Opus Place
Downers Grove, Illinois 60515

August 24, 1990

Dr. Thomas E. Murley, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Attn: Document Control Desk

Subject: Braidwood Station Unit 2
Inservice Inspection Report for
Interval 1, Period 1, Refuel Outage 1
NRC Docket No. 50-457

Reference: (a) December 15, 1988 S.C. Hunsader letter to T.E. Murley

Dear Dr. Murley:

Reference (a) provided the complete Braidwood Station Units 1 and 2 inservice inspection (ISI) program for NRC review that is currently being implemented at the station. In accordance with the requirements of this program and Article IWA-6000 of Section XI of the ASME Boiler and Pressure Vessel Code (1983 Edition through and including the Summer, 1983 Addenda) Commonwealth Edison is submitting the report of the ISI performed at Unit 2 from October 17, 1988 through May 27, 1990. This report is required to be submitted within 90 days of the completion of a refueling outage. The Unit 2 refueling outage was completed on May 27, 1990.

Please address any questions regarding this submittal to this office.

Very truly yours,

S. C. Hunsader
Nuclear Licensing Administrator

cc: S.P. Sands-NRR w/o attachment
W. Shafer-RIII w/o attachment
Braidwood Resident Inspector w/o attachment

0775T/SCH:wj

03103

9008300073 900824
PDR ADOCK 05000457
Q PDC

Aug 27
11

**COMMONWEALTH EDISON
BRAIDWOOD NUCLEAR STATION
UNIT 2**

INSERVICE INSPECITON SUMMARY REPORT

INTERVAL 1

PERIOD 1

OUTAGE 1

STATION ADDRESS:

BRAIDWOOD NUCLEAR POWER STATION

R. R. #1 BOX 84

BRACEVILLE, ILLINOIS 60407

COMMERCIAL SERVICE DATE: OCTOBER 17, 1988

OWNER'S ADDRESS:

COMMONWEALTH EDISON COMPANY

P. O. BOX 767

CHICAGO, ILLINOIS 60690

9008300074 900824
PDR ADOCK 05000457
Q PDC

INDEX

<u>DESCRIPTION</u>	<u>PAGE</u>
INTRODUCTION	I to II
EXAMINATION SUMMARY	
PIPE	III to IV
COMPONENTS	V
SUPPORTS	VI
PRESSURE TESTS	VII
FORM NIS-1 (OWNER'S REPORT FOR INSERVICE INSPECTION)	VIII
FORM NIS-1 SUPPLEMENTAL SHEETS	1 thru 58
EXAMINATION SUMMARY TABULATION	
WELD/COMPONENTS	1 thru 44
SUPPORTS	1 thru 39
PRESSURE TESTS	1 thru 13
SUMMARY OF NIS-2 FORMS	TAB 1
FORM NIS-2 (OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS)	TAB 1

INTRODUCTION

Inservice inspections of ASME Class 1, 2, and 3 components and piping were conducted at Braidwood Station Unit 2 from October 17, 1988 to May 27, 1990. The majority of these inspections were performed during Braidwood Station's Unit 2 first refueling outage (A2R01). The examinations were performed in compliance with the rules and regulations of Section XI, Division 1, "Rules for Inservice Inspection of Nuclear Power Plant Components", of American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 1983 Edition through the Summer 1983 Addenda, as per the requirements of the Title 10, Part 50.55a of the Code of Federal Regulations (10CFR 50.55a). This summary report will address inspection results on Class 1, 2, and 3 components and piping.

The Nondestructive Examination (NDE) ISI Program Plan for Class 1, 2, and 3 components was developed in accordance with the requirements and intent of Subsection IWA, IWB, IWC and IWD, Section XI Division 1, of the ASME Code. In addition to the ASME Section XI requirements of examination, certain augmented inspections were required by the Nuclear Regulatory Commission. The Braidwood Unit 2 augmented ISI requirements included:

- Examination of high energy lines in conformance with NUREG 0800, "Standard Review Plan", Section 6.6; Regulatory Guide 1.83 Revision 1, "Inservice Inspection of Pressurized Water Reactor Steam Generator Tubes".
- Implementation of Regulatory Guide 1.150 "Ultrasonic Testing of Reactor Vessel Welds During Preservice and Inservice Examinations".

Where the Code and/or augmented requirement(s) were deemed to be impractical, specific requests for relief were developed and submitted for the Commission's review.

Identification of Examination Requirements

The ISI Program contains the NDE Program tables. These tables are presented in a tabular format consistent with Tables IWB, IWC, and IWD-2500 of the ASME Code. The NDE program tables include the corresponding code category, item number, and component/weld selection in conformance with Class 1, 2, and 3 examination requirements. Program notes and relief requests are identified in the remarks column.

Exempted Components

Class 1, 2, and 3 components (or parts of components) which were not included in the NDE program tables and are exempt from examination, as specified in Section XI Paragraph IWB and IWC-1220 "Components Exempt from Examination" and Table IWD-2500-1 "Examination Requirements" are identified in the NDE Program Plan together with the technical justification(s) for exempting the component/system.

Implementation of the ISI Program

Visual examinations (VT-1, VT-2, and VT-3/4) of Class 1, 2, and 3 components and their supports, identified under the ISI Program Plan and/or requiring reexamination(s) due to repairs or replacements under Section XI, were performed by Commonwealth Edison Company, or their designee.

All NDE examinations, including evaluation of results, were performed by personnel qualified to the appropriate levels in the various NDE methods, per the requirements of the American Society for Nondestructive Testing SNT-TC-1A, and in conformance with ASME Section V and XI, 1983 Edition through Summer 1983 Addenda.

Visual examinations (VT-3 and VT-4) of Class 1, 2, and 3 component supports including evaluation of results, were performed by examiners qualified to ANSI N45.2.6-1973 and/or ASME Section XI, 1983 Edition through Summer 1983 addenda, as applicable.

NDE Examinations

All ISI nondestructive examinations, including evaluation of flaw indications, were performed in accordance with the requirements stipulated under Section XI Subarticle IVA-2000, "Examination Methods".

The Inservice Inspections were performed from October 17, 1988 to May 27, 1990. The Authorized Nuclear Inservice Inspector was Mr. W. Caldwell from Hartford Steam Boiler Inspection and Insurance Company of Hartford, Connecticut, Chicago Branch, whose address is 300 South Riverside Plaza, Suite 700 north Chicago, Illinois 60606.

EXAMINATION SUMMARY

The following is a summary of the examinations performed during the Braidwood Unit 2 first refueling outage. Refer to the summary tables for additional information on specific welds, components, supports and pressure tests examinations and their respective results.

PIPING SYSTEMS

CHEMICAL AND VOLUME CONTROL (CV)

A total of thirty-one (31) pressure retaining welds were examined. These were comprised of (8) B-J B9.21 and (19) B-J B9.40 welds requiring surface examination, in addition, (4) B-K-1 B10.10 integral attachment welds received a surface examination. The bolting on (2) flange connections B-G-2 B7.50 was examined visually.

FEEDWATER (FW)

A total of thirty-one (31) pressure retaining welds were examined. These were comprised of (19) C-F C5.21, and (1) augmented exam (see note 5 of the ISI Program Plan) requiring a surface and volumetric examination. Eleven welds received a surface examination (10) C-F C5.11 and (1) C-F C5.31. All the C-F C5.11 welds also received a volumetric examination (see note 5 of the ISI Program Plan).

MAINSTEAM (MS)

A total of seventy-two (72) pressure retaining welds were examined. Of these, (46) required surface and volumetric examination (25) C-F C5.21, (16) C-F C5.22, and (5) augmented welds (see note 5 of the ISI Program Plan). Twenty-six welds received a surface examination (15) C-F C3.20, (1) C-F C5.31 and (10) alternate exams (see NR-1 of the ISI Program Plan).

REACTOR COOLANT

A total of thirty-four (34) weldments were examined. Of these (20) were classified as B-J B9.11 and received both surface and volumetric examinations. Another (14) weldments received a surface exam and were classified as follows: (1) B-K-1 B10.10, (9) B-J B9.21, and (4) B-J B9.31. Four VT-1 exams were performed, (1) B-G-2 B7.50, and (3) B-G-2 B7.70.

RESIDUAL HEAT REMOVAL (RH)

A total of thirteen (13) pressure retaining welds were examined. Of these (3) received a surface and volumetric examination (B-J B9.11), and (7) C-F C5.11 and (3) C-F C5.12 received a surface examination.

SAFETY INJECTION

A total of fifty-seven (57) weldments were examined. Of these (19) B-J B9.11 and (1) B-J B9.31 received a surface and volumetric examination. Thirty-seven welds (34) B-J B9.11, (1) B-J B9.32 and (2) B-K-I B10.10 received a surface examination. Two VT-1 (B-G-2 B7.70) were performed.

COMPONENTS

PRESSURIZER (2RY01S)

The pressurizer skirt weld received a surface examination (1) B-P B8.20. Two shell welds received a volumetric examination (1) B-B B2.11 and (1) B-B B2.12. Two nozzle-to-safe end weld (2) B-F B5.40 received a surface and volumetric examination, and (2) nozzle-to-vessel welds B-D B3.110 received a volumetric examination.

RESIDUAL HEAT REMOVAL HEAT EXCHANGER (2RH02AA)

The heat exchanger skirt weld received a surface examination (1) C-C C3.10. The circumferential weld on the shell (1) C-A C1.10 and the circumferential head-to-shell weld C-A C1.20 both received a volumetric examination.

REACTOR VESSEL

The reactor closure head-to-flange weld received volumetric and surface exams, (1) B-A B1.40. The closure head circumferential weld received a volumetric examination, (1) B-A B1.21. Four hot-leg-to nozzle welds (B-D B3.90) received a volumetric exam and (4) nozzle-to-safe end welds received a surface and volumetric examination (B-F B5.10). One third of the closure bolting was examined by both surface and volumetric methods, B-G-1 B6.30. One third of the closure nuts received a surface examination, B-G-1 B6.50. One third of the penetration bolting was visually examined, B-G-2 B7.10 and a visual examination was also performed on all accessible areas of the reactor vessel interior B-N-1 B13.10.

STEAM GENERATOR (2RC01BA)

The primary side steam generator tubesheet-to-head weld received volumetric and surface examinations, (1) B-B B2.40. The secondary side tubesheet-to-shell weld received a volumetric examination (1) C-A C1.30.

STEAM GENERATOR (2RC01BA-D)

Eddy current examination was performed on all 4 steam generators. The scope of examination included 100% full length inspection of all tubing. Based on eddy current results a total of two tubes were mechanically plugged. Additional information concerning the steam generator eddy current inspection can be obtained from the report submitted to the Nuclear Regulatory Commission as required by Braidwood technical specification 4.4.5.5.

COMPONENT SUPPORTS/SNUBBERS

SYSTEM	SNUBBER VT-3/4	*DELETED SNUBBER	COMP. SUPPORT
# NSSS	8		
AB	1		
AF			46
CC	12		
CS	9		57
CV	145	49	34
FW	42		50
MS	12		16
RC	81		80
RH	40		53
RY	27		38
SD	38	16	
SI	21		188
SX	<u>4</u>	<u>—</u>	<u>—</u>
	440	65	562

Denotes Steam Generator Snubbers

* See Notes 1 and 2 on page

SYSTEM PRESSURE TESTS

A total of 3 Class I system pressure tests were performed. The Class I system boundary includes the Class I portions of the Chemical and Volume Control (CV), Reactor Coolant (RC), Residual Heat Removal (RH), Pressurizer (RY), and Safety Injection (SI), systems.

Fifty-seven (57) Class II, and twenty-six (26) Class III subsystem pressure tests were performed. The Class II and III system boundaries are divided into convenient test boundaries which are described on pages 2 of 13 thru 4 of 13.

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

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected Class 1, 2, and 3 components as described in supplemental sheets (Pages 1 thru 58)

[illegible]

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (Back)

8. Examination Dates 10/17/88 to 5/27/90 9. Inspection Interval from 10/17/88 to 3/1/90
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work re-
for current interval. See "A2R01 Post-Outage (90-Day) Summary Report"
11. Abstract of Conditions Noted See "A2R01 Post-Outage (90-Day) Summary Report"
12. Abstract of Corrective Measures Recommended and Taken:
See "A2R01 Post-Outage (90-Day) Summary Report"

We certify that the statements made in this report are correct and the examinations and correctiv-
sures taken conform to the rules of the ASME Code, Section XI

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A
Date 8/20 19 90 Signed Commonwealth Edison By HC Kofner
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Insp-
and the State or Province of Illinois and employed by H&B I Co
H&B I Co have inspected the components described in this Owner's Report during the
10-17-1988 to 5-27-90, and state that to the best of my knowledge and belief, the
has performed examinations and taken corrective measures described in this Owner's Report in accordance w-
requirements of the ASME Code, Section XI.

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

L. Malcom Commissions NB # 8756 NI IL 1085
Inspector's Signature National Board, State, Province, and Endorseme-
Date 8-20- 19 90

FORM NIS-1 (Back)

8. Examination Dates 10/17/88 to 5/27/90 9. Inspection Interval from 10/17/88 to 3/1/90
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work re: for current interval. See "A2R01 Post-Outage (90-Day) Summary Report"
11. Abstract of Conditions Noted See "A2R01 Post-Outage (90-Day) Summary Report"
12. Abstract of Corrective Measures Recommended and Taken:
See "A2R01 Post-Outage (90-Day) Summary Report"

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

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A
Date 8/20 19 90 Signed Commonwealth Edison By AL Kofman
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspection and the State or Province of Illinois and employed by HARTFORD, CT. have inspected the components described in this Owner's Report during the 10-17-1988 to 5-27-90, and state that to the best of my knowledge and belief, the has performed examinations and taken corrective measures described in this Owner's Report in accordance with requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither 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.

J. MacCormack Commissions NB 8756 NI IA 1085
Inspector's Signature National Board, State, Province, and Endorsement
Date 8-20 19 90

NIS-1 SUPPLEMENTAL SHEET

Page 1 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected Welds on Class 1&2 vessels, Steam Generator Tubing; ISI Drawings: 2HLX-01, 2SG-01, 2SG-02, 2SG-03, 2SG-04, 2RHX-01 2PZR-01, 2RV-01, 2RV-03.

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC01BA	WESTINGHOUSE	2111	U-199348	20
2RC01BB	WESTINGHOUSE	2114	U-199350	23
2RC01BC	WESTINGHOUSE	2113	U-199349	22
2RC01BD	WESTINGHOUSE	2112	U-199351	21
2RH02AA	WESTINGHOUSE	2267-1F	U-199322	841
2RY01S	WESTINGHOUSE	2121	U-199347	22170
2CV04AA	WESTINGHOUSE	2268-1G	U-199334	911
CLOSURE HEAD 2RC01R	BABCOCK & WILCOX	640-0016-52	B-24370	N-197
REACTOR VESSEL 2RC01R	BABCOCK & WILCOX	640-0016-51	B-24370	N-197

Page 3 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2CV-02

[illegible]

NIS-1 SUPPLEMENTAL SHEET

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2CV-03

[illegible]

NIS-1 SUPPLEMENTAL SHEET

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2CV-06

[illegible]

NIS-1 SUPPLEMENTAL SHEET

Page 6 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2CV-12

[illegible]

NIS-1 SUPPLEMENTAL SHEET

Page 7 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2CV-16

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
F-1 Flange/Bolting	Phillips Getschow	2CV-1:N-5	N/A	N/A

NIS-1 SUPPLEMENTAL SHEET

Page 8 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2FW-02

[illegible]

• Southwest Fabricating/Phillips Getschow Company

NIS-1 SUPPLEMENTAL SHEET

Page 9 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2FW-11

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2FW81BA-6"	• Southwest Fab/PGCo	2FW-1:N-5	N/A	N/A
2FW87CA-6"	Southwest Fab/PGCo	2FW-1:N-5	N/A	N/A
2FW81AA-6"	Southwest Fab/PGCo	2FW-1:N-5	N/A	N/A

• Southwest Fabricating/Phillips Getschow Company

NIS-1 SUPPLEMENTAL SHEET

Page 10 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2MS-03

[illegible]

- Southwest Fabricating/Phillips Getschow Company

NIS-1 SUPPLEMENTAL SHEET

Page 11 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2MS-04

[illegible]

* This is an augmented Class D Line

* Southwest Fabricating/Phillips Getschow Company

NIS-1 SUPPLEMENTAL SHEET

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2RC-06

[illegible]

- Southwest Fabricating/Phillips Getschow Company

NIS-1 SUPPLEMENTAL SHEET

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/84 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2RC-07

[illegible]

Prefix 03000G88800000000

NIS-1 SUPPLEMENTAL SHEET

Page 16 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, Ill. 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2RC-08

[illegible]

Page 17 of 58

[illegible]

50(080190)
ZD79G

NISC-1 SUPPLEMENTAL SHEET

Page 18 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2RC-13

[illegible]

Southwest Fabricating/Phillips Getschow Company

NIS-1 SUPPLEMENTAL SHEET

Page 20 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected 2RC-17

[illegible]

* Southwest Fabricating/Phillips Getschow Company

NIS-1 SUPPLEMENTAL SHEET

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)

2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)

3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A

7. Components Inspected ISI Drawing: 2RC-25

[illegible]

NIS-1 SUPPLEMENTAL SHEET

Page 22 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2RC-31

[illegible]

NIS-1 SUPPLEMENTAL SHEET

Page 24 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/68 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2RC-36

[illegible]

NIS-1 SUPPLEMENTAL SHEET

Page 25 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2RC-37

[illegible]

N1S-1 SUPPLEMENTAL SHEET

Page 26 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2RC-42

[illegible]

NIS-1 SUPPLEMENTAL SHEET

Page 27 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, P.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2RH-02

[illegible]

- Southwest Fabricating/Phillips Getschow Company

50(080190)
ZD79G

NIS-1 SUPPLEMENTAL SHEET

Page 28 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2RH-03

[illegible]

* Southwest Fabricating/Phillips Getschow Company

NIS-1 SUPPLEMENTAL SHEET

Page 29 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2RH-04

[illegible]

* Southwest Fabricating/Phillips Getschow Company

NIS-1 SUPPLEMENTAL SHEET

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2S1-01

[illegible]

- Southwest Fabricating/Phillips Getschow Company

NIS-1 SUPPLEMENTAL SHEET

Page 31 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2S1-02

[illegible]

★★ Prefix #08000CS8800000000

- Southwest Fabricating/Phillips Getschow Company

NIS-1 SUPPLEMENTAL SHEET

Page 32 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components inspected ISI Drawing: 2S1-03

[illegible]

NIS-1 SUPPLEMENTAL SHEET

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2S1-05

[illegible]

- Southwest Fabricating/Phillips Getschow Company

NIS-1 SUPPLEMENTAL SHEET

Page 34 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braid Road Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2S1-20

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2S108JC-1.5"	Phillips Getschow	2S1-1:N-5	N/A	N/A
2S108HC-2"	Phillips Getschow	2S1-1:N-5	N/A	N/A

NIS-1 SUPPLEMENTAL SHEET

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)

2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)

3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A

7. Components Inspected ISI Drawing: 2S1-21

[illegible]

NIS-1 SUPPLEMENTAL SHEET

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2S1-22

[illegible]

NIS-1 SUPPLEMENTAL SHEET

Page 37 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected ISI Drawing: 2S1-31

[illegible]

NIS-1 SUPPLEMENTAL SHEET

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected AB System Component Supports

[illegible]

NIS-1 SUPPLEMENTAL SHEET

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected AF System Component Supports

[illegible]

Page 40 of 58

[illegible]

Page 41 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected CS System Component Supports

[illegible]

NIS-1 SUPPLEMENTAL SHEET

Page 42 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected CV System Component Supports

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Sub-System 2CV02	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV03	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV04	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV06	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV07	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV08	Phillips Getschow	2A-CV-1H:N-5	N/A	N/A
Sub-System 2CV09	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV11	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV12	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV13	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV14	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV15	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV16	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV22	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A

NIS-1 SUPPLEMENTAL SHEET

Page 43 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected CV System Component Supports

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Sub-System 2CV24	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV25	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV27	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV29	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV31	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV34	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV40	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV41	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A
Sub-System 2CV54	Phillips Getschow	2A-CV-1H:N-5	N/A	N/A
Sub-System 2CV64	Phillips Getschow	2C-CV-1H:N-5	N/A	N/A

NIS-1 SUPPLEMENTAL SHEET

Page 44 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected FW System Component Support

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Sub-System 2FW02	Phillips Getschow	2C-FW-1H:N-5	N/A	N/A
Sub-System 2FW03	Phillips Getschow	2C-FW-1H:N-5	N/A	N/A
Sub-System 2FW04	Phillips Getschow	2C-FW-1H:N-5	N/A	N/A
Sub-System 2FW05	Phillips Getschow	2C-FW-1H:N-5	N/A	N/A
Sub-System 2FW06	Phillips Getschow	2C-FW-1H:N-5	N/A	N/A
Sub-System 2FW07	Phillips Getschow	2C-FW-1H:N-5	N/A	N/A
Sub-System 2FW08	Phillips Getschow	2C-FW-1H:N-5	N/A	N/A
Sub-System 2FW09	Phillips Getschow	2C-FW-1H:N-5	N/A	N/A
Sub-System 2FW10	Phillips Getschow	2C-FW-1H:N-5	N/A	N/A
Sub-System 2FW12	Phillips Getschow	2C-FW-1H:N-5	N/A	N/A
Sub-System 2FW14	Phillips Getschow	2C-FW-1H:N-5	N/A	N/A

Page 45 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected NSSS System Component Supports

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Sub-System NSSS	Phillips Getschow	1	N/A	N/A
Sub-System NSSS	Phillips Getschow	20	N/A	N/A
Sub-System NSSS	Phillips Getschow	16	N/A	N/A
Sub-System NSSS	Phillips Getschow	8	N/A	N/A
Sub-System NSSS	Phillips Getschow	3	N/A	N/A
Sub-System NSSS	Phillips Getschow	29	N/A	N/A
Sub-System NSSS	Phillips Getschow	11	N/A	N/A
Sub-System NSSS	Phillips Getschow	30	N/A	N/A

NIS-1 SUPPLEMENTAL SHEET

Page 47 of 58

1. Owner Commonwealth Edison, Co. First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected System Component Supports

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Sub-System 2RC01	Phillips Getschow	2C-RC-1H:N-5	N/A	N/A
Sub-System 2RC02	Phillips Getschow	2C-RC-1H:N-5	N/A	N/A
Sub-System 2RC03	Phillips Getschow	2C-R H:N-5	N/A	N/A
Sub-System 2RC04	Phillips Getschow	2C-RC-1H:N-5	N/A	N/A
Sub-System 2RC10	Phillips Getschow	2C-RC-1H:N-5	N/A	N/A
Sub-System 2RC11	Phillips Getschow	2C-RC-1H:N-5	N/A	N/A
Sub-System 2RC12	Phillips Getschow	2C-RC-1H:N-5	N/A	N/A
Sub-System 2RC13	Phillips Getschow	2C-RC-1H:N-5	N/A	N/A
Sub-System 2RC16	Phillips Getschow	2C-RC-1H:N-5	N/A	N/A
Sub-System 2RC17	Phillips Getschow	2C-RC-1H:N-5	N/A	N/A
Sub-System 2RC18	Phillips Getschow	2C-RC-1H:N-5	N/A	N/A
Sub-System 2RC19	Phillips Getschow	2C-RC-1H:N-5	N/A	N/A
Sub-System 2RC92	Phillips Getschow	2C-RC-1H:N-5	N/A	N/A
Sub-System 2RC93A	Phillips Getschow	2C-P V-5	N/A	N/A

NIS-1 SUPPLEMENTAL SHEET

Page 48 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected RH System Component Supports

[illegible]

NIS-1 SUPPLEMENTAL SHEET

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected RY System Component Supports

[illegible]

NIS-1 SUPPLEMENTAL SHEET

Page 50 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braccville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected SD System Component Supports

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Sub-System 2SD01	Phillips Getschow	2C-SD-1H:N-5	N/A	N/A
Sub-System 2SD02	Phillips Getschow	2C-SD-1H:N-5	N/A	N/A
Sub-System 2SD03	Phillips Getschow	2C-SD-1H:N-5	N/A	N/A
Sub-System 2SD04	Phillips Getschow	2C-SD-1H:N-5	N/A	N/A
Sub-System 2SD05	Phillips Getschow	2C-SD-1H:N-5	N/A	N/A
Sub-System 2SD06	Phillips Getschow	2C-SD-1H:N-5	N/A	N/A
Sub-System 2SD11	Phillips Getschow	2C-SD-1H:N-5	N/A	N/A
Sub-System 2SD12	Phillips Getschow	2C-SD-1H:N-5	N/A	N/A
Sub-System 2SD23	Phillips Getschow	2C-SD-1H:N-5	N/A	N/A
Sub-System 2SD24	Phillips Getschow	2C-SD-1H:N-5	N/A	N/A

NIS-1 SUPPLEMENTAL SHEET

Page 51 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected SI System Component Supports

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Sub-System				
2SI01	Phillips Getschow	2C-SI-1H:N-5	N/A	N/A
Sub-System				
2SI03	Phillips Getschow	2C-SI-1H:N-5	N/A	N/A
Sub-System				
2SI04	Phillips Getschow	2C-SI-1H:N-5	N/A	N/A
Sub-System				
2SI05	Phillips Getschow	2A-SI-2H:N-5	N/A	N/A
Sub-System				
2SI06	Phillips Getschow	2A-SI-2H:N-5	N/A	N/A
Sub-System				
2SI09	Phillips Getschow	2C-SI-1H:N-5	N/A	N/A
Sub-System				
2SI10	Phillips Getschow	2C-SI-1H:N-5	N/A	N/A
Sub-System				
2SI11	Phillips Getschow	2C-SI-1H:N-5	N/A	N/A
Sub-System				
2SI13	Phillips Getschow	2C-SI-1H:N-5	N/A	N/A
Sub-System				
2SI16	Phillips Getschow	2C-SI-1H:N-5	N/A	N/A
Sub-System				
2SI18	Phillips Getschow	2A-SI-1H:N-5	N/A	N/A
Sub-System				
2SI19	Phillips Getschow	2C-SI-1H:N-5	N/A	N/A
Sub-System				
2SI20	Phillips Getschow	2C-SI-1H:N-5	N/A	N/A
Sub-System				
2SI21	Phillips Getschow	2C-SI-1H:N-5	N/A	N/A

NIS-1 SUPPLEMENTAL SHEET

Page 52 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected SI System Component Supports

[illegible]

NIS-1 SUPPLEMENTAL SHEET

Page 53 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected SX System Component Supports

[illegible]

NIS-1 SUPPLEMENTAL SHEET

Page 54 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RH02AA C2.33	Joseph Oat	2267-1F	U-199322	841
2RH02AB C2.33	Joseph Oat	2267-1H	U0199325	843
2CV02A C7.10	Atlas Ind. Mfg.	3457	U0199335	2830
2CV04AA C7.10	Joseph Oat	2268-1G	U0199334	911
2CV04AB C7.10	Joseph Oat	2268-1H	U0199333	912
2CV02F C7.10	Westinghouse	38332	N/A	21114
2CV01T C7.10	Lamco Ind.	457	U0999332	188
2SI04TA C7.10	Southwest Fab.	0050	U0199340	389
2SI04TB C7.10	Southwest Fab.	0051	U0199341	390
2SI04TC C7.10	Southwest Fab.	0054	U0199342	411
2SI04TD C7.10	Southwest Fab.	0055	U0199343	412
* Piping, Item C7.30				
CS-1, 2, 3, 4 C7.30	Phillips Getschow	N/A	N/A	N/A
CV-1,2,3,4,5,6,7 C7.30	Phillips Getschow	N/A	N/A	N/A

* See the Summary Pressure Test Tables for a description of piping subsystems.

NIS-1 SUPPLEMENTAL SHEET

Page 55 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
CV-8,9,10,14,15,16 C7.30	Phillips Getschow	N/A	N/A	N/A
CV-17,18,21,22,25 C7.30	Phillips Getschow	N/A	N/A	N/A
FC-1 C7.30	Phillips Getschow	N/A	N/A	N/A
FW-1,2,3,4 C7.30	Phillips Getschow	N/A	N/A	N/A
MS-1,2,3,4 C7.30	Phillips Getschow	N/A	N/A	N/A
OG-1,2,3,4 C7.30	Phillips Getschow	N/A	N/A	N/A
PS-1 C7.30	Phillips Getschow	N/A	N/A	N/A
RC-1,2,3,4,5 C7.30	Phillips Getschow	N/A	N/A	N/A
RH-1,2,3,4,5 C7.30	Phillips Getschow	N/A	N/A	N/A
RY-1,2 C7.30	Phillips Getschow	N/A	N/A	N/A
SD-1,2,3,4 C7.30	Phillips Getschow	N/A	N/A	N/A
SI-1,2,3,4,5 C7.30	Phillips Getschow	N/A	N/A	N/A
SI-6,7,8,9 C7.30	Phillips Getschow	N/A	N/A	N/A

NIS-1 SUPPLEMENTAL SHEET

Page 56 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Br idwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CS01PA C7.50	Ingersol Rand	1076128	N/A	364
2CS01PB C7.50	Ingersol Rand	1076129	N/A	385
2CV01PA C7.50	Pacific Pump	49776	N/A	274
2CV01PB C7.50	Pacific Pump	49777	N/A	277
2RH01PA C7.50	Ingersol Rand	127434	N/A	169
2RH01PB C7.50	Ingersol Rand	127435	N/A	170
2SI01PA C7.50	Pacific Pumps	49764	N/A	254
2SI01PB C7.50	Pacific Pumps	49765	N/A	255
* Valves, Item C7.70				
All valves within the piping subsystems listed under Piping Item 7.30.				

* See the Summary Pressure Test Tables for a description of piping subsystems.

NIS-1 SUPPLEMENTAL SHEET

Page 57 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
* Pressure Retaining Components, Items D1.10, D2.10 and D3.10				
CC-4,5,6 D1.10	Phillips Getschow	N/A	N/A	N/A
DO-1,2,3,4,5 D1.10	Phillips Getschow	N/A	N/A	N/A
GW-1,2,3,4 D1.10	Phillips Getschow	N/A	N/A	N/A
AF-1,2 D2.10	Phillips Getschow	N/A	N/A	N/A
CV-1,2,3,4 D2.10	Phillips Getschow	N/A	N/A	N/A
CV-5,6,7,8 D2.10	Phillips Getschow	N/A	N/A	N/A
RH-1 D2.10	Phillips Getschow	N/A	N/A	N/A
SI-1,2 D2.10	Phillips Getschow	N/A	N/A	N/A
FC-1,2 D3.10	Phillips Getschow	N/A	N/A	N/A

* See Summary Pressure Test Tables for a description of piping subsystems.

50(080190)

ZD79G

NIS-1 SUPPLEMENTAL SHEET

Page 58 of 58

1. Owner Commonwealth Edison, One First National Plaza, Chicago, Illinois
(Name and Address of Owner)
2. Plant Braidwood Station, R.R. 1, Box 84, Braceville, IL 60407
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 10/17/88 6. National Board Number for Unit N/A
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel B15.10	Babcock & Wilcox	640-0016-51	B024370	197
Pressurizer B15.20	Westinghouse	2121	U0199347	22170
S/G 2RC01BA B15.30	Westinghouse	2111	U0199348	20
S/G 2RC01BB B15.30	Westinghouse	2114	U0199350	23
S/G 2RC01BC B15.30	Westinghouse	2113	U0199349	22
S/G 2RC01BD B15.30	Westinghouse	2112	U0199351	21
Class 1 Piping B15.50	Phillips Getschow	N/A	N/A	N/A
2RC01PA B15.60	Westinghouse	2RC-1: N-5 13-115E121G01	N/A	N/A
2RC01PB B15.60	Westinghouse	2RC-1: N-5 1-115E121G01	N/A	N/A
2RC01PC B15.60	Westinghouse	2RC-1: N-5 15-115E121G01	N/A	N/A
2RC01PD B15.60	Westinghouse	2RC-1: N-5 16-115E121G01	N/A	N/A
Class 1 Valves B15.70	Phillips Getschow	N/A	N/A	N/A

WELD/COMPONENT
EXAMINATION SUMMARY
TABULATION

WELD / COMPONENT

ISI DRAWING 2CV-12

[illegible]

WELD / COMPONENT

ISI DRAWING 2FW-11

[illegible]

WELD/COMPONENT

ISI DRAWING 2MS-03

[illegible]

WELD/COMPONENT

ISI DRAWING 2MS-04

CODE ITEM	EXAMINATION ITEM/AREA	EXAMINATION SUMMARY			
		VOL.	SURF.	VIS.	N/TE
ALT	2MS-04-35		X		4
ALT	2MS-04-36		X		4
ALT	2MS-04-38		X		4
ALT	2MS-04-39		X		4
ALT	2MS-04-41		X		4
ALT	2MS-04-42		X		4
ALT	2MS-04-44		X		4
ALT	2MS-04-45		X		4
ALT	2MS-04-47		X		4
ALT	2MS-04-46		X		4
AUG	2MS-04-62	X	X		2
AUG	2MS-04-62A	X	X		2
AUG	2MS-04-62B	X	X		2
AUG	2MS-04-63	X	X		2
AUG	2MS-04-64	X	X		2
C3.20	2MS-04-L01		X		
C3.20	2MS-04-L02		X		
C3.20	2MS-04-L03		X		
C5.21	2MS-04-01	X	X		
C5.21	2MS-04-04	X	X		
C5.21	2MS-04-07	X	X		
C5.21	2MS-04-10	X			2
C5.21	2MS-04-11	X			2
C5.21	2MS-04-13	X	X		
C5.21	2MS-04-14	X	X		
C5.21	2MS-04-17	X			2
C5.21	2MS-04-20	X			
C5.21	2MS-04-23	X			
C5.21	2MS-04-26	X			
C5.21	2MS-04-27	X	X		
C5.21	2MS-04-32	X	X		
C5.21	2MS-04-50	X			2
C5.21	2MS-04-51	X			2

WELD/COMPONENT

ISI DRAWING 2MS-04

CODE ITEM	EXAMINATION ITEM/AREA	EXAMINATION SUMMARY			
		VOL.	SURF.	VIS.	NOTE
C5.21	2MS-04-52	X			2
C5.21	2MS-04-53	X			2
C5.21	2MS-04-54	X			2
C5.21	2MS-04-55	X			2
C5.21	2MS-04-56	X			2
C5.21	2MS-04-57	X			2
C5.21	2MS-04-58	X			2
C5.21	2MS-04-59	X			2
C5.21	2MS-04-60	X			2
C5.21	2MS-04-61	X			2
C5.22	2MS-04-02	X	X		
C5.22	2MS-04-03	X	X		
C5.22	2MS-04-05	X	X		
C5.22	2MS-04-06	X	X		
C5.22	2MS-04-08	X	X		
C5.22	2MS-04-12	X	X		
C5.22	2MS-04-15	X	X		
C5.22	2MS-04-16	X			2
C5.22	2MS-04-18	X			2
C5.22	2MS-04-19	X			2
C5.22	2MS-04-21	X			2
C5.22	2MS-04-25A	X			2
C5.22	2MS-04-28	X			2
C5.22	2MS-04-29	X			2
C5.22	2MS-04-30	X			2
C5.22	2MS-04-31	X			2
C5.31	2MS-04-09		X		
C5.31	2MS-04-34				4
C5.31	2MS-04-37				4
C5.31	2MS-04-40				4
C5.31	2MS-04-43				4
C5.31	2MS-04-46				4

WELD/COMPONENT

ISI DRAWING 2PZR-01

[illegible]

WELD / COMPONENT

ISI DRAWING 2RC-16

[illegible]

WELD/COMPONENT

ISI DRAWING 2RC-17

[illegible]

WELD/COMPONENT

ISI DRAWING 2RHX-01

[illegible]

WELD/COMPONENT

ISI DRAWING 2S1-01

[illegible]

WELD / COMPONENT

ISI DRAWING 251-05[illegible]

WELD / COMPONENT

ISI DRAWING 251-20

[illegible]

WELD/COMPONENT

ISI DRAWING 251-31

[illegible]

WELD/COMPONENT EXAMINATION NOTES

1. These examinations were performed in response to NRC Bulletin 88-08.
2. These components are required to be examined per Braidwood's augmented program for Class 2 and 3 High Energy Piping Systems outside containment where breaks have not been postulated (NUREG-1002, Section 6.6).
3. Inservice Inspection NR-10 applies, (flange bolting obstruction for examination of reflectors transverse to the weld and straight beam techniques).
4. Inservice Inspection Program Relief Request NR-1 applies, (Branch connections under saddle plates).
5. Inservice Inspection Program Relief Request NR-6 applies, (Cast stainless steel weld examinations).
6. Inservice Inspection Program Relief Request NR-2 applies, Cast stainless steel weld examinations).
7. Inservice Inspection Program Relief Request NR-13 applies, (The Geometry of the nozzle-to-reducer prohibits meaningful volumetric examination).
8. Inservice Inspection Program Relief Request NR-9 applies, (Inaccessible portions of reactor weld length).
9. Inservice Inspection Program Note 9 applies, (Noting limitations on reactor head weld examinations).
10. These examinations were performed as a result of a reactor coolant modification.

**COMPONENT SUPPORT
EXAMINATION SUMMARY
TABULATION**

SYSTEM CC

[illegible]

COMPONENT SUPPORTS

Page 6 of 39

SYSTEM CS

SUB SYSTEM	EXAMINATION ITEM/AREA	EXAMINATION SUMMARY		
		VT-3/4	MODIFIED	NOTE
2CS03	2CS03012S	X		
2CS03	2CS03022S	X		
2CS03	2CS03103S	X		
2CS03	2CS03106S	X		
2CS03	2CS03107S	X		
2CS03	2CS03005X	X		
2CS03	2CS03008X	X		
2CS03	2CS03009X	X		
2CS03	2CS03011X	X		
2CS03	2CS03013R	X		
2CS03	2CS03014X	X		
2CS03	2CS03015R	X		
2CS03	2CS03016R	X		
2CS03	2CS03021V	X		
2CS03	2CS03023X	X		
2CS03	2CS03024R	X		
2CS03	2CS03026X	X		
2CS03	2CS03027R	X		
2CS03	2CS03028X	X		
2CS03	2CS03029V	X		
2CS03	2CS03030R	X		
2CS 3	2CS03017X	X		
2CS03	2CS03032V	X		
2CS03	2CS03033X	X		
2CS03	2CS03034V	X		
2CS03	2CS03035X	X		
2CS03	2CS03038G	X		
2CS03	2CS03039X	X		
2CS03	2CS03059R	X		
2CS03	2CS03065X	X		
2CS03	2CS03067X	X		
2CS03	2CS03080V	X		
2CS03	2CS03081X	X		

SYSTEM CS		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE	
2CS03	2CS03082V	X			
2CS03	2CS03084R	X			
2CS03	2CS03086G	X			
2CS03	2CS03088G	X			
2CS03	2CS03089A	X			
2CS03	2CS03099G	X			
2CS03	2CS03003V	X			
2CS03	2CS03079X	X			
2CS03	2CS03019V	X			
2CS03	2CS03102G	X			
2CS03	2CS03097X	X			
2CS03	2CS03104X	X			
2CS03	2CS03105X	X			
		X			
2CS04	2CS04002S	X			
2CS04	2CS04010S	X			
2CS04	2CS04004X	X			
2CS04	2CS04005X	X			
2CS04	2CS04006G	X			
2CS04	2CS04007G	X			
2CS04	2CS04009R	X			
2CS04	2CS04011R	X			
2CS06	2CS06033A	X			
2CS05	2CS05005S	X			
2CS05	2CS05001R	X			
2CS05	2CS05002X	X			
2CS05	2CS05003X	X			
2CS05	2CS05006X	X			
2CS05	2CS05007G	X			
2CS05	2CS05008G	X			
2CS05	2CS05010R	X			
2CS05	2CS05011X	X			

[illegible]

SYSTEM CV

COMPONENT SUPPORTS

EXAMINATION SUMMARY

SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
2CV02	2CV02002S	X		
2CV02	2CV02003S	X		
2CV02	2CV02004S	X		
2CV02	2CV02005S	X		
2CV02	2CV02007S	X		
2CV02	2CV02010S	X		
2CV03	2CV03001S	X		
2CV03	2CV03002S	X		
2CV04	2CV04002S	X		
2CV04	2CV04012S	X		
2CV04	2CV04015S	X		
2CV06	2CV06003S	X		
2CV06	2CV06008S	X		
2CV06	2CV06010S	X		
2CV06	2CV06014S	X		
2CV06	2CV06016S	X		
2CV06	2CV06017S	X		
2CV06	2CV06019S	X		
2CV06	2CV06022S	X		
2CV06	2CV06004V	X		
2CV06	2CV06020C	X		
2CV07	2CV07001S	X		
2CV07	2CV07008S	X		
2CV07	2CV07021S	X		
2CV07	2CV07024S	X		
2CV07	2CV07031S	X		
2CV07	2CV07032S	X		
2CV07	2CV07033S	X		
2CV07	2CV07042S	X		
2CV07	2CV07049S	X		
2CV07	2CV07064S	X		
2CV07	2CV07066S	X		
2CV07	2CV07067S	X		

SYSTEM CV

COMPONENT SUPPORTS

EXAMINATION SUMMARY

SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
2CV07	2CV07068S	X		
2CV07	2CV07069S	X		
2CV08	2CV08006S	X		
2CV08	2CV08010S	X		
2CV08	2CV08011S	X		
2CV08	2CV08013S	X		
2CV08	2CV08021S	X		
2CV09	2CV09003S	X	DELETE	1
2CV09	2CV09005S	X	DELETE	1
2CV09	2CV09006S	X	DELETE	1
2CV09	2CV09007S	X	DELETE	1
2CV09	2CV09018S	X		
2CV09	2CV09022S	X	DELETE	1
2CV09	2CV09030S	X		
2CV09	2CV09034S	X	DELETE	1
2CV09	2CV09038S	X	DELETE	1
2CV09	2CV09046S	X	DELETE	1
2CV09	2CV09049S	X	DELETE	1
2CV09	2CV09050S	X	DELETE	1
2CV09	2CV09051S	X		
2CV09	2CV09053S	X	DELETE	1
2CV09	2CV09054S	X	DELETE	1
2CV09	2CV09055S	X	DELETE	1
2CV09	2CV09056S	X	DELETE	1
2CV09	2CV09057S	X	DELETE	1
2CV09	2CV09060S	X	DELETE	1
2CV09	2CV09061S	X	DELETE	1
2CV09	2CV09062S	X	DELETE	1
2CV09	2CV09063S	X		
2CV09	2CV09066S	X	DELETE	1
2CV09	2CV09068S	X		
2CV09	2CV09069S	X		
2CV11	2CV11007S	X	DELETE	1
2CV11	2CV11009S	X	DELETE	1

SYSTEM CV		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE	
2CV11	2CV11010S	X	DELETE	1	
2CV11	2CV11011S	X	DELETE	1	
2CV11	2CV11013S	X			
2CV11	2CV11015S	X	DELETE	1	
2CV11	2CV11019S	X			
2CV11	2CV11023S	X			
2CV11	2CV11024S	X	DELETE	1	
2CV11	2CV11025S	X	DELETE	1	
2CV11	2CV11018C	X			
2CV11	2CV11099V	X			
2CV12	2CV12002S	X			
2CV12	2CV12003S	X			
2CV12	2CV12005S	X			
2CV12	2CV12006S	X			
2CV12	2CV12007S	X			
2CV12	2CV12017S	X			
2CV13	2CV13051S	X			
2CV13	2CV13054S	X			
2CV13	2CV13004R	X			
2CV14	2CV14001S	X			
2CV14	2CV14004S	X			
2CV14	2CV14039S	X			
2CV14	2CV14002V	X			
2CV15	2CV15002S	X	DELETE	1	
2CV15	2CV15006S	X	DELETE	1	
2CV15	2CV15013S	X	DELETE	1	
2CV15	2CV15014S	X	DELETE	1	
2CV15	2CV15015S	X			
2CV15	2CV15019S	X	DELETE	1	
2CV15	2CV15020S	X	DELETE	1	
2CV15	2CV15021S	X	DELETE	1	
2CV15	2CV15023S	X	DELETE	1	
2CV15	2CV15030S	X	DELETE	1	

SYSTEM CV		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE	
2CV15	2CV15032S	X	DELETE	1	
2CV15	2CV15039S	X			
2CV15	2CV15040S	X	DELETE	1	
2CV15	2CV15046S	X	DELETE		
2CV15	2CV15104S	X	DELETE	1	
2CV15	2CV15109S	X	DELETE	1	
2CV15	2CV15110S	X	DELETE	1	
2CV15	2CV15111S	X			
2CV16	2CV16008S	X			
2CV16	2CV16009S	X			
2CV16	2CV16010G	X			
2CV16	2CV16022G	X			
2CV16	2CV16024G	X			
2CV16	2CV16075R	X			
2CV16	2CV16083R	X			
2CV16	2CV16026R	X			
2CV16	2CV16030X	X			
2CV16	2CV16031X	X			
2CV16	2CV16034X	X			
2CV16	2CV16036R	X			
2CV16	2CV16037R	X			
2CV16	2CV16038X	X			
2CV16	2CV16041R	X			
2CV16	2CV16044R	X			
2CV16	2CV16046X	X			
2CV16	2CV16047G	X			
2CV16	2CV16053G	X			
2CV22	2CV22002S	X			
2CV22	2CV22009S	X			
2CV22	2CV22005G	X			
2CV22	2CV22007R	X			
2CV22	2CV22008X	X			
2CV22	2CV22010G	X			
2CV22	2CV22011X	X			
2CV22	2CV22012R	X			

SYSTEM CV		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE	
2CV22	2CV22013G	X			
2CV22	2CV22014G	X			
2CV22	2CV22015G	X			
2CV22	2CV22016A	X			
2CV24	2CV24021S	X			
2CV24	2CV24023S	X			
2CV24	2CV24024S	X			
2CV24	2CV24026S	X			
2CV24	2CV24027S	X			
2CV24	2CV24039S	X			
2CV24	2CV24034R	X			
2CV25	2CV25001S	X			
2CV25	2CV25002S	X			
2CV25	2CV25004S	X	DELETE	1	
2CV25	2CV25009S	X			
2CV25	2CV25011S	X	DELETE	1	
2CV25	2CV25014S	X	DELETE	1	
2CV25	2CV25021S	X	DELETE	1	
2CV25	2CV25023S	X	DELETE	1	
2CV25	2CV25024S	X	DELETE	1	
2CV25	2CV25026S	X	DELETE	1	
2CV25	2CV25027S	X	DELETE	1	
2CV25	2CV25034S	X			
2CV25	2CV25051S	X			
2CV25	2CV25052S	X			
2CV27	2CV27001S	X			
2CV29	2CV29005S	X			
2CV29	2CV29036S	X			
2CV31	2CV31007S	X			
2CV31	2CV31011S	X			
2CV31	2CV31020S	X			

[illegible]

SYSTEM FW

COMPONENT SUPPORTS

EXAMINATION SUMMARY

SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
2FW02	2FW02003S	X		
2FW02	2FW02012S	X		
2FW02	2FW02013S	X		
2FW02	2FW02016S	X		
2FW02	2FW02001V	X		
2FW02	2FW02007V	X		
2FW02	2FW02008R	X		
2FW02	2FW02009R	X		
2FW02	2FW02011R	X		
2FW02	2FW02020X	X		
2FW03	2FW03010S	X		
2FW03	2FW03012S	X		
2FW03	2FW03013S	X		
2FW03	2FW03014S	X		
2FW03	2FW03015S	X		
2FW03	2FW03016S	X		
2FW03	2FW03017S	X		
2FW03	2FW03019S	X		
2FW03	2FW03007V	X		
2FW03	2FW03018X	X		
2FW03	2FW03011R	X		
2FW03	2FW03008R	X		
2FW03	2FW03009R	X		
2FW04	2FW04005S	X		
2FW04	2FW04011S	X		
2FW04	2FW04013S	X		
2FW04	2FW04015S	X		
2FW04	2FW04017S	X		
2FW04	2FW04001R	X		
2FW04	2FW04002V	X		
2FW04	2FW04018R	X		
2FW04	2FW04009V	X		
2FW04	2FW04008V	X		
2FW04	2FW04016R	X		

SYSTEM FW		COMPONENT SUPPORTS	EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
2FW05	2FW05011S	X		
2FW05	2FW05013S	X		
2FW05	2FW05014S	X		
2FW05	2FW05016S	X		
2FW05	2FW05017S	X		
2FW05	2FW05019S	X		
2FW05	2FW05020S	X		
2FW05	2FW05021S	X		
2FW05	2FW05022S	X		
2FW05	2FW05001R	X		
2FW05	2FW05002R	X		
2FW05	2FW05012R	X		
2FW05	2FW05009V	X		
2FW05	2FW05007R	X		
2FW05	2FW05018R	X		
2FW06	2FW06002S	X		
2FW06	2FW06005S	X		
2FW06	2FW06008S	X		
2FW06	2FW06013S	X		
2FW06	2FW06006X	X		
2FW06	2FW06010X	X		
2FW06	2FW06011X	X		
2FW06	2FW06015X	X		
2FW06	2FW06016V	X		
2FW07	2FW07004S	X		
2FW07	2FW07005S	X		
2FW07	2FW07006S	X		
2FW07	2FW07014S	X		
2FW07	2FW07019S	X		
2FW07	2FW07007X	X		
2FW07	2FW07010R	X		
2FW07	2FW07011R	X		
2FW07	2FW07013X	X		
2FW07	2FW07015X	X		
2FW07	2FW07016V	X		

[illegible]

SYSTEM MS		COMPONENT SUPPORTS	EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
2MS01	2MS01074S	X		
2MS01	2MS01079S	X		
2MS01	2MS01083S	X		
2MS01	2MS01088S	X		
2MS01	2MS01092S	X		
2MS01	2MS01097S	X		
2MS01	2MS01101S	X		
2MS01	2MS01106S	X		
2MS01	2MS01210X	X		
2MS01	2MS01211R	X		
2MS01	2MS01215X	X		
2MS01	2MS01216R	X		
2MS01	2MS01220X	X		
2MS01	2MS01221R	X		
2MS01	2MS01205X	X		
2MS01	2MS01206R	X		
2MS05	2MS05007S	X		
2MS05	2MS05002C	X		
2MS05	2MS05006R	X		
2MS06	2MS06007S	X		
2MS06	2MS06002C	X		
2MS06	2MS06006R	X		
2MS07	2MS07006S	X		
2MS07	2MS07002C	X		
2MS07	2MS07005R	X		
2MS08	2MS08007S	X		
2MS08	2MS08002C	X		
2MS08	2MS08006R	X		

SYSTEM RC		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB	ITEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
NSSS		2RC01BA-A	X		
NSSS		2RC01BA-B	X		
NSSS		2RC01BB-A	X		
NSSS		2RC01BB-B	X		
NSSS		2RC01BC-A	X		
NSSS		2RC01BC-B	X		
NSSS		2RC01BD-A	X		
NSSS		2RC01BD-B	X		
2RC01		2RC01006S	X		
2RC01		2RC01007S	X		
2RC01		2RC01004V	X		
2RC01		2RC01005V	X		
2RC02		2RC02006S	X		
2RC02		2RC02007S	X		
2RC02		2RC02008S	X		
2RC02		2RC02001V	X		
2RC03		2RC03005S	X		
2RC03		2RC03006S	X		
2RC03		2RC03007S	X		
2RC03		2RC03008S	X		
2RC03		2RC03001V	X		
2RC04		2RC04005S	X		
2RC04		2RC04001V	X		
2RC04		2RC04004V	X		
2RC10		2RC10001S	X		
2RC10		2RC10004S	X		
2RC10		2RC10011S	X		
2RC10		2RC10013S	X		
2RC10		2RC10030S	X		
2RC10		2RC10031S	X		
2RC10		2RC10032S	X		
2RC10		2RC10034S	X		

SYSTEM RC		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE	
2RC10	2RC10035S	X			
2RC10	2RC10037S	X			
2RC10	2RC10039S	X			
2RC10	2RC10040S	X			
2RC10	2RC10041S	X			
2RC10	2RC10043S	X			
2RC10	2RC10044S	X			
2RC10	2RC10049S	X			
2RC10	2RC10051S	X			
2RC10	2RC10052S	X			
2RC10	2RC10054S	X			
2RC10	2RC10055S	X			
2RC10	2RC10056S	X			
2RC10	2RC10058S	X			
2RC10	2RC10060S	X			
2RC10	2RC10061S	X			
2RC10	2RC10066S	X			
2RC10	2RC10003R	X			
2RC10	2RC10010R	X			
2RC10	2RC10026R	X			
2RC10	2RC10045R	X			
2RC10	2RC10047R	X			
2RC10	2RC10050R	X			
2RC10	2RC10029V	X			
2RC10	2RC10033V	X			
2RC10	2RC10036R	X			
2RC10	2RC10042V	X			
2RC10	2RC10065V	X			
2RC11	2RC11005S	X			
2RC11	2RC11006S	X			
2RC11	2RC11007S	X			
2RC11	2RC11004R	X			
2RC11	2RC11008R	X			
2RC11	2RC11009X	X			
2RC11	2RC11015R	X			

SYSTEM RC		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE	
2RC11	2RC11016X	X			
2RC11	2RC11017R	X			
2RC11	2RC11018R	X			
2RC11	2RC11020X	X			
2RC11	2RC11010X	X			
2RC11	2RC11011X	X			
2RC11	2RC11012G	X			
2RC11	2RC11013R	X			
2RC11	2RC11014X	X			
2RC11	2RC11019R	X			
2RC11	2RC11021X	X			
2RC12	2RC12061S	X			
2RC12	2RC12064S	X			
2RC12	2RC12066S	X			
2RC12	2RC12067S	X			
2RC12	2RC12070S	X			
2RC12	2RC12072S	X			
2RC12	2RC12077S	X			
2RC12	2RC12080S	X			
2RC12	2RC12081S	X			
2RC12	2RC12083S	X			
2RC12	2RC12084S	X			
2RC12	2RC12085S	X			
2RC12	2RC12063R	X			
2RC12	2RC12065R	X			
2RC12	2RC12068X	X			
2RC12	2RC12069X	X			
2RC12	2RC12071R	X			
2RC12	2RC12073X	X			
2RC12	2RC12074R	X			
2RC12	2RC12075R	X			
2RC12	2RC12076X	X			
2RC13	2RC13026S	X			
2RC13	2RC13038S	X			

SYSTEM RC		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE	
2RC13	2RC13039S	X			
2RC13	2RC13041S	X			
2RC13	2RC13048S	X			
2RC13	2RC13064S	X			
2RC13	2RC13069S	X			
2RC13	2RC13073S	X			
2RC13	2RC13074S	X			
2RC13	2RC13076S	X			
2RC13	2RC13083S	X			
2RC13	2RC13085S	X			
2RC13	2RC13090S	X			
2RC13	2RC13091S	X			
2RC13	2RC13092S	X			
2RC13	2RC13051V	X			
2RC13	2RC13065R	X			
2RC13	2RC13066R	X			
2RC13	2RC13067R	X			
2RC13	2RC13070G	X			
2RC13	2RC13071G	X			
2RC13	2RC13075R	X			
2RC13	2RC13077G	X			
2RC13	2RC13079G	X			
2RC13	2RC13080G	X			
2RC13	2RC13082R	X			
2RC16	2RC16114S	X			
2RC16	2RC16115S	X			
2RC16	2RC16119S	X			
2RC16	2RC16101R	X			
2RC16	2RC16104X	X			
2RC16	2RC16105R	X			
2RC16	2RC16109G	X			
2RC16	2RC16110X	X			
2RC16	2RC16116R	X			
2RC16	2RC16118R	X			
2RC17	2RC17052S	X			

SYSTEM RC		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE	
2RC17	2RC17058S	X			
2RC17	2RC17069S	X			
2RC17	2RC17050R	X			
2RC17	2RC17051X	X			
2RC17	2RC17053R	X			
2RC17	2RC17054X	X			
2RC17	2RC17055X	X			
2RC17	2RC17056R	X			
2RC17	2RC17057X	X			
2RC17	2RC17059R	X			
2RC17	2RC17060X	X			
2RC18	2RC18034S	X			
2RC18	2RC18037S	X			
2RC18	2RC18045S	X			
2RC18	2RC18030R	X			
2RC18	2RC18031G	X			
2RC18	2RC18032X	X			
2RC18	2RC18033R	X			
2RC18	2RC18035X	X			
2RC19	2RC19042S	X			
2RC19	2RC19049S	X			
2RC19	2RC19054S	X			
2RC19	2RC19060S	X			
2RC19	2RC19041X	X			
2RC19	2RC19043G	X			
2RC19	2RC19044G	X			
2RC19	2RC19051G	X			
2RC19	2RC19052X	X			
2RC19	2RC19053X	X			
2RC19	2RC19055X	X			
2RC19	2RC19056R	X			
2RC92	2RC92001S	X			
2RC93A	2RC93A001S	X			

SYSTEM RH		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE	
2RH02	2RH02002S	X			
2RH02	2RH02003S	X			
2RH02	2RH02007S	X			
2RH02	2RH02008S	X			
2RH02	2RH02009S	X			
2RH02	2RH02012S	X			
2RH02	2RH02013S	X			
2RH02	2RH02018S	X			
2RH02	2RH02019S	X			
2RH02	2RH02023S	X			
2RH02	2RH02027S	X			
2RH02	2RH02047S	X			
2RH02	2RH02052S	X			
2RH02	2RH02054S	X			
2RH02	2RH02058S	X			
2RH02	2RH02059S	X			
2RH02	2RH02061S	X			
2RH02	2RH02066S	X			
2RH02	2RH02067S	X			
2RH02	2RH02068S	X			
2RH02	2RH02069S	X			
2RH02	2RH02078S	X			
2RH02	2RH02079S	X			
2RH02	2RH02080S	X			
2RH02	2RH02081S	X			
2RH02	2RH02082S	X			
2RH02	2RH02083S	X			
2RH02	2RH02205S	X			
2RH02	2RH02206S	X			
2RH02	2RH02207S	X			
2RH02	2RH02208S	X			
2RH02	2RH02210S	X			
2RH02	2RH02212S	X			
2RH02	2RH02215S	X			
2RH02	2RH02218S	X			
2RH02	2RH02219S	X			
2RH02	2RH02220S	X			

SYSTEM <u> RH </u>		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE	
2RH02	2RH02076X	X			
2RH02	2RH02049X	X			
2RH02	2RH02050R	X			
2RH02	2RH02051R	X			
2RH02	2RH02053R	X			
2RH02	2RH02056R	X			
2RH02	2RH02065R	X			
2RH02	2RH02075R	X			
2RH02	2RH02077R	X			
2RH02	2RH02004R	X			
2RH02	2RH02006R	X			
2RH02	2RH02010R	X			
2RH02	2RH02011R	X			
2RH02	2RH02017R	X			
2RH02	2RH02020R	X			
2RH02	2RH02021R	X			
2RH02	2RH02022R	X			
2RH02	2RH02025R	X			
2RH02	2RH02034X	X			
2RH02	2RH02036R	X			
2RH02	2RH02037R	X			
2RH02	2RH02038X	X			
2RH02	2RH02040R	X			
2RH02	2RH02041R	X			
2RH02	2RH02043R	X			
2RH02	2RH02062R	X			
2RH02	2RH02063R	X			
2RH02	2RH02064V	X			
2RH02	2RH02070R	X			
2RH02	2RH02073R	X			
2RH02	2RH02074X	X			
2RH02	2RH02026R	X			
2RH02	2RH02029R	X			
2RH02	2RH02031V	X			
2RH02	2RH02072X	X			
2RH02	2RH02100X	X			

EXAMINATION SUMMARY

17(073090)/26
ZD79G

SYSTEM RY		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE	
2RY05	2RY05003S	X			
2RY05	2RY05010S	X			
2RY05	2RY05010V	X			
2RY05	2RY05008R	X			
2RY05	2RY05009V	X			
2RY05	2RY05011R	X			
2RY06	2RY06011S	X			
2RY06	2RY06013S	X			
2RY06	2RY06015S	X			
2RY06	2RY06017S	X			
2RY06	2RY06018S	X			
2RY06	2RY06020S	X			
2RY06	2RY06025S	X			
2RY06	2RY06076S	X			
2RY06	2RY06104S	X			
2RY06	2RY06105S	X			
2RY06	2RY06106S	X			
2RY06	2RY06114S	X			
2RY06	2RY06115S	X			
2RY06	2RY06121S	X			
2RY06	2RY06125S	X			
2RY06	2RY06001X	X			
2RY06	2RY06003R	X			
2RY06	2RY06007X	X			
2RY06	2RY06008X	X			
2RY06	2RY06009X	X			
2RY06	2RY06010R	X			
2RY06	2RY06033X	X			
2RY06	2RY06034R	X			
2RY06	2RY06117X	X			
2RY06	2RY06118G	X			
2RY06	2RY06120G	X			
2RY06	2RY06122G	X			
2RY06	2RY06014X	X			
2RY06	2RY06016X	X			
2RY06	2RY06019X	X			

SYSTEM RY		COMPONENT SUPPORTS	EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
2RY06	2RY06021C	X		
2RY06	2RY06022G	X		
2RY06	2RY06023X	X		
2RY06	2RY06035X	X		
2RY06	2RY06036X	X		
2RY06	2RY06024V	X		
2RY06	2RY06025G	X		
2RY06	2RY06027G	X		
2RY06	2RY06028X	X		
2RY06	2RY06101C	X		
2RY06	2RY06116V	X		
2RY06	2RY06117X	X		
2RY06	2RY06118G	X		
2RY06	2RY06120G	X		
2RY06	2RY06122G	X		
2RY06	2RY06129V	X		
2RY09	2RY09001S	X		
2RY09	2RY09005S	X		
2RY09	2RY09012S	X		
2RY09	2RY09060S	X		
2RY09	2RY09067S	X		
2RY09	2RY09077S	X		
2RY09	2RY09078S	X		
2RY09	2RY09100S	X		
2RY09	2RY09101S	X		
2RY09	2RY09002X	X		
2RY09	2RY09003C	X		
2RY09	2RY09010C	X		
2RY27	2RY27016S	X		

SYSTEM SD		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE	
2SD01	2SD01003S	X	DELETE	2	
2SD01	2SD01005S	X	DELETE	2	
2SD02	2SD03002S	X	DELETE	2	
2SD03	2SD03002S	X	DELETE	2	
2SD03	2SD03003S	X	DELETE	2	
2SD03	2SD03006S	X	DELETE	2	
2SD03	2SD03008S	X	DELETE	2	
2SD03	2SD03013S	X	DELETE	2	
2SD03	2SD03016S	X	DELETE	2	
2SD03	2SD03017S	X	DELETE	2	
2SD03	2SD03020S	X	DELETE	2	
2SD03	2SD03026S	X	DELETE	2	
2SD03	2SD03027S	X	DELETE	2	
2SD04	2SD04002S	X	DELETE	2	
2SD04	2SD04004S	X	DELETE	2	
2SD04	2SD04025S	X	DELETE	2	
2SD05	2SD05046S	X			
2SD06	2SD06027S	X			
2SD06	2SD06029S	X			
2SD06	2SD06030S	X			
2SD06	2SD06032S	X			
2SD06	2SD06037S	X			
2SD06	2SD06040S	X			
2SD06	2SD06051S	X			
2SD11	2SD11066S	X			
2SD12	2SD12002S	X			
2SD12	2SD12016S	X			
2SD12	2SD12017S	X			
2SD12	2SD12048S	X			
2SD12	2SD12063S	X			

SYSTEM <u>SI</u>		COMPONENT SUPPORTS	EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
2SI01	2SI01023S	X		
2SI01	2SI01001R	X		
2SI01	2SI01002X	X		
2SI01	2SI01003X	X		
2SI01	2SI01004G	X		
2SI01	2SI01005X	X		
2SI01	2SI01006X	X		
2SI01	2SI01033X	X		
2SI01	2SI01037R	X		
2SI01	2SI01044R	X		
2SI01	2SI01007X	X		
2SI01	2SI01019X	X		
2SI01	2SI01020G	X		
2SI01	2SI01021G	X		
2SI01	2SI01022R	X		
2SI01	2SI01024X	X		
2SI01	2SI01025G	X		
2SI01	2SI01026R	X		
2SI01	2SI01027R	X		
2SI01	2SI01030G	X		
2SI01	2SI01038X	X		
2SI01	2SI01041X	X		
2SI01	2SI01042X	X		
2SI03	2SI03001S	X		
2SI03	2SI03003S	X		
2SI03	2SI03009S	X		
2SI03	2SI03014S	X		
2SI03	2SI03018S	X		
2SI03	2SI03002X	X		
2SI03	2SI03004R	X		
2SI03	2SI03005X	X		
2SI03	2SI03043X	X		
2SI03	2SI03006X	X		
2SI03	2SI03007X	X		
2SI03	2SI03020R	X		

SYSTEM		COMPONENT SUPPORTS		EXAMINATION SUMMARY	
SUB SYSTEM	SI	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
2SI03		2SI03021R	X		
2SI03		2SI03022G	X		
2SI03		2SI03023X	X		
2SI03		2SI03024G	X		
2SI03		2SI03025V	X		
2SI03		2SI03028X	X		
2SI03		2SI03029X	X		
2SI03		2SI03040X	X		
2SI03		2SI03038R	X		
2SI04		2SI04001R	X		
2SI04		2SI04006G	X		
2SI04		2SI04008X	X		
2SI04		2SI04009R	X		
2SI04		2SI04012R	X		
2SI04		2SI04013X	X		
2SI04		2SI04016X	X		
2SI04		2SI04017R	X		
2SI04		2SI04030R	X		
2SI04		2SI04031X	X		
2SI04		2SI04032R	X		
2SI04		2SI04033X	X		
2SI04		2SI04034R	X		
2SI04		2SI04035R	X		
2SI04		2SI04036R	X		
2SI04		2SI04037X	X		
2SI04		2SI04038X	X		
2SI04		2SI04039X	X		
2SI05		2SI05002S	X		
2SI05		2SI05003S	X		
2SI05		2SI05013S	X		
2SI05		2SI05036S	X		
2SI06		2SI06340S	X		
2SI06		2SI06366S	X		
2SI06		2SI06122G	X		

SYSTEM <u>SI</u>		COMPONENT SUPPORTS	EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
2SI06	2SI06329X	X		
2SI06	2SI06330R	X		
2SI06	2SI06331X	X		
2SI06	2SI06332R	X		
2SI06	2SI06334X	X		
2SI06	2SI06335X	X		
2SI06	2SI06336X	X		
2SI06	2SI06337X	X		
2SI06	2SI06338X	X		
2SI06	2SI06339V	X		
2SI06	2SI06341X	X		
2SI06	2SI06342X	X		
2SI06	2SI06343X	X		
2SI06	2SI06344X	X		
2SI06	2SI06353X	X		
2SI06	2SI06354X	X		
2SI06	2SI06355V	X		
2SI06	2SI06356X	X		
2SI06	2SI06357X	X		
2SI06	2SI06358X	X		
2SI06	2SI06359X	X		
2SI06	2SI06360X	X		
2SI06	2SI06361G	X		
2SI06	2SI06362X	X		
2SI06	2SI06363R	X		
2SI06	2SI06367X	X		
2SI06	2SI06327V	X		
2SI06	2SI06328X	X		
2SI06	2SI06333X	X		
2SI06	2SI06346X	X		
2SI06	2SI06352R	X		
2SI06	2SI06364X	X		
2SI09	2SI09002S	X		
2SI09	2SI09014S	X		
2SI09	2SI09001X	X		
2SI09	2SI09004G	X		

SYSTEM SI		COMPONENT SUPPORTS	EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
2SI09	2SI09005R	X		
2SI09	2SI09006X	X		
2SI09	2SI09008G	X		
2SI09	2SI09021X	X		
2SI09	2SI09024C	X		
2SI09	2SI09025R	X		
2SI09	2SI09031R	X		
2SI09	2SI09033R	X		
2SI09	2SI09034X	X		
2SI09	2SI09035G	X		
2SI09	2SI09036X	X		
2SI09	2SI09037X	X		
2SI09	2SI09038X	X		
2SI09	2SI09039G	X		
2SI09	2SI09042X	X		
2SI09	2SI09043R	X		
2SI09	2SI09044X	X		
2SI09	2SI09046R	X		
2SI09	2SI09047G	X		
2SI10	2SI10031S	X		
2SI10	2SI10036S	X		
2SI11	2SI11025G	X		
2SI11	2SI11026G	X		
2SI11	2SI11027G	X		
2SI11	2SI11028R	X		
2SI11	2SI11029X	X		
2SI11	2SI11030G	X		
2SI11	2SI11031G	X		
2SI11	2SI11032G	X		
2SI13	2SI13104G	X		
2SI16	2SI16010S	X		
2SI16	2SI16029S	X		
2SI16	2SI16037S	X		

SYSTEM <u>SI</u>		COMPONENT SUPPORTS	EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
2SI16	2SI16038S	X		
2SI18	2SI18049S	X		
2SI18	2SI18002R	X		
2SI18	2SI18003R	X		
2SI18	2SI18004X	X		
2SI18	2SI18005R	X		
2SI18	2SI18008R	X		
2SI18	2SI18007R	X		
2SI18	2SI18009R	X		
2SI18	2SI18010R	X		
2SI18	2SI18011R	X		
2SI18	2SI18013X	X		
2SI18	2SI18014R	X		
2SI18	2SI18015A	X		
2SI18	2SI18016G	X		
2SI18	2SI18018R	X		
2SI18	2SI18019G	X		
2SI18	2SI18020R	X		
2SI18	2SI18021R	X		
2SI18	2SI18025R	X		
2SI18	2SI18027R	X		
2SI18	2SI18028R	X		
2SI18	2SI18030R	X		
2SI18	2SI18031X	X		
2SI18	2SI18032R	X		
2SI18	2SI18033X	X		
2SI18	2SI18034R	X		
2SI18	2SI18037R	X		
2SI18	2SI18038X	X		
2SI18	2SI18039R	X		
2SI18	2SI18091X	X		
2SI19	2SI19003R	X		
2SI19	2SI19004G	X		
2SI19	2SI19005G	X		
2SI19	2SI19006G	X		

SYSTEM <u>SI</u>		COMPONENT SUPPORTS	EXAMINATION SUMMARY	
SUB SYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTE
2SI19	2SI19007G	X		
2SI19	2SI19008G	X		
2SI19	2SI19009G	X		
2SI19	2SI19020R	X		
2SI20	2SI20016X	X		
2SI20	2SI20018G	X		
2SI20	2SI20020X	X		
2SI20	2SI20045X	X		
2SI20	2SI20046R	X		
2SI20	2SI20047G	X		
2SI20	2SI20048G	X		
2SI20	2SI20049R	X		
2SI20	2SI20050G	X		
2SI21	2SI21004R	X		
2SI21	2SI21005X	X		
2SI21	2SI21006R	X		
2SI21	2SI21007X	X		
2SI21	2SI21008R	X		
2SI21	2SI21016X	X		
2SI21	2SI21017X	X		
2SI24	2SI24001X	X		
2SI24	2SI24002G	X		
2SI24	2SI24003G	X		
2SI24	2SI24004G	X		
2SI24	2SI24005G	X		
2SI24	2SI24006R	X		
2SI24	2SI24007G	X		
2SI24	2SI24008G	X		
2SI24	2SI24009G	X		
2SI24	2SI24010G	X		
2SI24	2SI24010G	X		
2SI24	2SI24011G	X		
2SI24	2SI24012X	X		

EXAMINATION SUMMARY

17(073090)/37
ZD79G

EXAMINATION SUMMARY

17(073090)/38
ZD79G

COMPONENT SUPPORT EXAMINATION NOTES

Page 39 of 39

1. Snubber was deleted as a result of Modification M20-2-89-027.
2. Snubber was deleted as a result of Modification M20-2-89-012.

**SYSTEM PRESSURE TESTS
EXAMINATION SUMMARY
TABULATION**

System Pressure Tests

A total of 3 Class 1 System Pressure Tests, 57 Class 2 Subsystem Pressure Tests, and 26 Class 3 Subsystem Pressure Tests were performed.

The Class 1 System Boundary includes the Class 1 portions of Chemical Volume Control System (CV), Reactor Coolant System (RC), Residual Heat Removal System (RH), Pressurizer System (RY), and the Safety Injection System (SI).

The Class 2 and 3 System Boundaries are divided into convenient test boundaries and are described briefly below:

<u>Subsystem</u>	<u>Class</u>	<u>Description</u>
2CL-1	2	2A Train Containment Spray System
2CS-2	2	2B Train Containment Spray System
2CS-3	2	2A Train Spray Additive System and Tank
2CS-4	2	2B Train Spray Additive System
2CV-1	2	Volume Control Tank
2CV-2	2	Positive Displacement Pump
2CV-3	2	2A Centrifugal Charging Pump
2CV-4	2	2B Centrifugal Charging Pump
2CV-5	2	Control Volume Charging Header Outside Containment
2CV-6	2	2A Seal Water Injection Filter
2CV-7	2	2B Seal Water Injection Filter
2CV-8	2	Seal Water Injection
2CV-9	2	Seal Water Return
2CV-10	2	Chemical Volume Charging to Reactor Coolant Loops Inside Containment
2CV-14	2	CV Charging Inside Containment
2CV-15	2	Letdown Inside Containment
2CV-16	2	2B Letdown Regen. Heat Exchanger
2CV-17	2	2A Letdown Regen. Heat Exchanger
2CV-18	2	Letdown Outside Containment
2CV-19	2	2A Letdown Heat Exchanger
2CV-20	2	2B Letdown Heat Exchanger
2CV-21	2	Letdown Downstream of Letdown Heat Exchangers
2CV-22	2	RC Filter up to Volume Control Tank
2CV-25	2	Letdown Downstream of Excess Letdown Heat Exchanger
2FC-1	2	Class 2 Portions of Fuel Pool Cooling
2FW-1	2	Feedwater A Loop

<u>Subsystem</u>	<u>Class</u>	<u>Description</u>
2FW-2	2	Feedwater B Loop
2FW-3	2	Feedwater C Loop
2FW-4	2	Feedwater D Loop
2MS-1	2	Main Steam A Loop
2MS-2	2	Main Steam B Loop
2MS-3	2	Main Steam C Loop
2MS-4	2	Main Steam D Loop
2OG-1	2	Hydrogen Recombiner
2OG-2	2	Hydrogen Recombiner Suction Piping
2OG-3	2	Hydrogen Recombiner Discharge Piping
2PS-1	2	Process Sample
2RC-1	2	Instrumentation/Sampling Lines Loop A and Reactor Vessel
2RC-2	2	Instrumentation/Sampling Lines, Loop B
2RC-3	2	Instrumentation/Sampling Lines Loop C
2RC-4	2	Instrumentation/Sampling Lines Loop D
2RH-1	2	2A Train Residual Heat Removal Pump
2RH-2	2	2A Train Residual Heat Removal Heat Exchanger
2RH-3	2	2B Train Residual Heat Removal Pump
2RH-4	2	2B Train Residual Heat Removal Heat Exchanger
2RH-5	2	Residual Heat Removal to Safety Injection
2RY-1	2	Pressurizer Sample System
2RY-2	2	Pressurizer, Instrumentation Lines
2SD-1	2	Loop A Steam Gen. Blowdown Lines
2SD-2	2	Loop B Steam Gen. Blowdown Lines
2SD-3	2	Loop C Steam Gen. Blowdown Lines
2SD-4	2	Loop D Steam Gen. Blowdown Lines
2SI-1	2	Refueling Water Storage Tank ECC5 Suction Piping
2SI-2	2	Safety Injection Pumps
2SI-3	2	2A Safety Injection Accumulator
2SI-4	2	2B Safety Injection Accumulator
2SI-5	2	2C Safety Injection Accumulator
2SI-6	2	2D Safety Injection Accumulator
2SI-7	2	Accumulator Fill Lines
2SI-9	2	Safety Injection Test Lines
2AF-1	3	Auxiliary Feed Train A
2AF-2	3	Auxiliary Feed Train B

<u>Subsystem</u>	<u>Class</u>	<u>Description</u>
2FCC-4	3	Component Cooling to Fuel Pit HX
2CC-5	3	Component Cooling Return From 1A RHR HX
2CC-6	3	Thermal Barrier 4 Reactor Coolant Pump
2DO-1	3	2A and 2C Diesel Oil Transfer Pumps
2DO-2	3	2B and 2D Diesel Oil Transfer Pumps
2DO-3	3	Diesel Oil 2A Day Tank to 1A Engine
2DO-4	3	Diesel Oil 2B Day Tank to 1B Engine
2DO-5	3	Diesel Oil Lines Auxiliary Feed
2FC-1	3	A Refueling Water Purification Pump/Lines
2FC-2	3	Spent Fuel Pit Pump

SYSTEM PRESSURE TESTS**Class 1**

LINE NUMBER	CODE ITEM	EXAMINATION ITEM/AREA	EXAMINATION TYPE				
			LEAK.	FUNC.	INSERV	HYDRO	NOTE
1	B15.10	Class 1 Reactor Vessel Pressure Retaining Boundary	X				1
2	B15.20	Class 1 Pressurizer Pressure Retaining Boundary	X				1
3	B15.30	Class 1 Steam Generator Pressure Retaining Boundary:					
		2RC01BA	X				1
		2RC01BB	X				1
		2RC01BC	X				1
		2RC01BD	X				1
4	B15.50	Class 1 Piping Pressure Retaining Boundary	X				1
5	B15.60	Class 1 Pumps:	X				1
		2RC01PA					
		2RC01PB					
		2RC01PC					
		2RC01PD					
		Class 1 Valves Pressure Retaining Boundary	X				1

SYSTEM PRESSURE TESTS**Class 2**

LINE NUMBER	CODE ITEM	EXAMINATION ITEM/AREA	EXAMINATION TYPE				
			LEAK.	FUNC.	INSERV	HYDRO	NOTE
7	C2.33	Nozzle-to-Shell (or Head) when inside of vessel is inaccessible: Residual Heat Removal Heat Exchangers: 2RH02AA 2RH-2 2RH02AB 2RH-4			X X		
8	C7.10	Pressure Vessels Pressure Retaining Components Seal Water Heat Exchanger: 2CV02A 2CV-9 Letdown Heat Exchangers: 2CV04AA 2CV-19 2CV04AB 2CV-20 Seal Water Return Filter: 2CV02F 2CV-9 Residual Heat Removal Heat Exchangers: 2RH02AA 2RH-2 2RH02AB 2RH-4 Volume Control Tank 2CV01T 2CV-1		X	X X X X X X X		

SYSTEM PRESSURE TESTS**Class 2**

LINE NUMBER	CODE ITEM	EXAMINATION ITEM/AREA	EXAMINATION TYPE				
			LEAK.	FUNC.	INSERV	HYDRO	NOTE
8	C7.10 (Cont.)	Safety Injection					
		Accumulators:					
		2SI04TA 2SI-3			X		2
		2SI04TB 2SI-4			X		2
		2SI04TC 2SI-5			X		2
9	C7.30	2SI04TD 2SI-6			X		2
		Piping, Pressure					
		Retaining					
		Components:					
		Component Cooling					
		Piping Subsystems:					
		2CC-1					
		2CC-2					
		Containment Spray					
		Piping Subsystems:					
		2CS-1		X			2
		2CS-2		X			2
		2CS-3		X			2
		2CS-4		X			2
		Chemical and Volume					
		Control Piping					
		Subsystems:					
		2CV-1			X		2
		2CV-2					
		2CV-3					
		2CV-4					
		2CV-5			X		2
		2CV-6					
		2CV-7					
		2CV-8			X		2
		2CV-9			X		2
		2CV-10			X		2
		2CV-14			X		2

SYSTEM PRESSURE TESTS

Class 2

LINE NUMBER	CODE ITEM	EXAMINATION ITEM/AREA	EXAMINATION TYPE				
			LEAK.	FUNC.	INSERV	HYDRO	NOTE
9	C7.30 (Cont.)	2CV-15			X		2
		2CV-16			X		2
		2CV-17			X		2
		2CV-18			X		2
		2CV-21			X		2
		2CV-22			X		2
		2CV-25			X		2
		Fuel Pool Cooling:					
		2FC-1					
		Feedwater:					
		2FW-1			X		2
		2FW-2			X		2
		2FW-3			X		2
		2FW-4			X		2
		Main Steam:					
		2MS-1			X		2
		2MS-2			X		2
		2MS-3			X		2
		2MS-4			X		2
		OFF Gas:					
		2OG-1		X			2
		2OG-2		X			2
		2OG-3		X			2
		2OG-4		X			2
		Process Sample:					
		2PS-1					
		Reactor Coolant:					
		2RC-1			X		2
		2RC-2			X		2
		2RC-3			X		2
		2RC-4			X		2
		2RC-5			X		2
		Residual Heat Removal:					
		2RH-1		X			2
		2RH-2			X		2
		2RH-3		X			2
		2RH-4		X			2
		2RH-5		X			2

SYSTEM PRESSURE TESTS**Class 2**

LINE NUMBER	CODE ITEM	EXAMINATION ITEM/AREA	EXAMINATION TYPE				
			LEAK.	FUNC.	INSERV	HYDRO	NOTE
9	C7.30 (Cont.)	Pressurizer:					
		2RY-1			X		2
		2RY-2			X		2
		Steam Generator					
		Blowdown:					
		2SD-1			X		2
		2SD-2			X		2
		2SD-3			X		2
		2SD-4			X		2
		Safety Injection					
		2SI-1 Outside					
		Containment		X			2
		2SI-2 Outside					
		Containment		X			2
		2SI-3			X		2
		2SI-4			X		2
		2SI-5			X		2
		2SI-6			X		2
		2SI-7 Outside					
		Containment		X			2
		2SI-8			X		2
		2SI-9			X		2
10	C7.50	Pumps, Pressure					
		Retaining					
		Components:					
		Chemical Volume					
		Control Pumps:					
		2CV01PA			X		
		2CV01PB		X			
		Containment Spray					
		Pumps:					
		2CS01PA-1		X			
		2CS01PB-2		X			

SYSTEM PRESSURE TESTS**Class 2**

LINE NUMBER	CODE ITEM	EXAMINATION ITEM/AREA	EXAMINATION TYPE				
			LEAK.	FUNC.	INSERV	HYDRO	NOTE
10	C7.50 (Cont.)	Residual Heat					
		Removal Pumps:					
		2RH01PA-1		X			2
		2RH01PB-2		X			2
		Safety Injection					
		Pumps:					
11	C7.70	2SI01PA-1		X			2
		2SI01PB-2		X			2
		Valves, Pressure		X	X		2
		Retaining Boundary					
		All valves within piping subsystem boundaries listed in line number 9, Code Item C7.30					

SYSTEM PRESSURE TESTS**Class 3**

LINE NUMBER	CODE ITEM	EXAMINATION ITEM/AREA	EXAMINATION TYPE				
			LEAK.	FUNC.	INSERV	HYDRO	NOTE
12	D1.10	Pressure Retaining Components:					
		Component Cooling:					
		2CC-4			X		3
		2CC-5			X		3
		2CC-6				X	4
13	D2.10	Diesel Oil:		X			2
		2DO-5					
		Pressure Retaining Components:					
		Auxiliary Feed:					
		2AF-1		X			2
		2AF-2		X			2

SYSTEM PRESSURE TESTS**Class 3**

LINE NUMBER	CODE ITEM	EXAMINATION ITEM/AREA	EXAMINATION TYPE				
			LEAK.	FUNC.	INSERV	HYDRO	NOTE
13	D2.10 (Cont.)	Chemical Volume					
		Control:					
		2CV-1		X			
		2CV-2			X		
		2CV-4			X		
		2CV-5			X		
		2CV-6			X		
		2CV-7			X		
		2CV-8			X		
		Residual Heat					
		Removal:					
		2RH-1		X			
		Safety Injection					
14	D3.10	2SI-1		X			
		2SI-2		X			
		Pressure Retaining					
		Components:					
		2FC-1			X		
		2FC-2			X		

SYSTEM PRESSURE TEST NOTES

1. A total of 3 Class 1 System Pressure Tests were performed prior to the end of A2R01 Refuel Outage; A Cold Hydrostatic Test prior to criticality, a Leakage Test on 03/14/90, a Leakage Test on 05/24/90.
2. See Pages 2 of 13 thru 4 of 13 for descriptions of Class 2 and 3 System Pressure Test Boundaries.
3. Portions of Component Cooling covered in system pressure tests include:
 - a. Valves and Piping to U-2 CVCS Letdown Heat Exchangers.
 - b. Valves and Piping to U-2 Seal Water Heat Exchangers.
4. A Hydrostatic test on component cooling lines for 'D' Reactor Coolant Pump to meet the requirements of ASME Section XI, Articles IWD 5000 and IWD 4000.

NIS-2
OWNER'S REPORT FOR
REPAIRS AND REPLACEMENTS

System		NIS-2 Total	Total Pages
* Auxiliary Feedwater	(AF)	10	10
* Component Cooling	(CC)	4	4
Chemical Volume Control	(CV)	13	14
Containment Penetration	(PEN)	3	3
Containment Spray	(CS)	2	2
* Diesel Generator	(DG)	3	3
Feedwater	(FW)	8	8
Main Steam	(MS)	14	15
Residual Heat Removal	(RH)	3	3
Steam Generator Blowdn	(SD)	11	11
		71	73
Deleted Snubbers, Supports		2	7
		73	80

* Class 3 Replacements are tabulated in the summary report ; however, the class 3 NIS-2 forms are not required to be submitted.

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

1. Owner Commonwealth Edison Co.
Name

Date 3-14-90

One First National Plaza
Chicago, IL Address 60690

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name

Unit II

R. R. #1, Box 84, Braceville IL 60407
Address

MOD# M20-2-89-027-075
NWR A35387

Repair Organization P.O. No., Job No., etc.

3. Work Performed by GN Venture
Name

Type Code Symbol Stamp Not Applicable

R. R. #1, Box 84, Braceville IL 60407
Address

Authorization No. Not Applicable

Expiration Date Not Applicable

4. Identification of System 2CV25 - Chemical & Volume Control

5. (a) Applicable Construction Code ASME III 19 74 Edition. S-75 Addenda. None Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>5/8" x 2" U-BOLT</u>	<u>ELCEN METAL PRODUCTS</u>	<u>N/A</u>	<u>N/A</u>	<u>MRR# 16747</u>	<u>N/A</u>	<u>REPLACEMENT (ADDED)</u>	<u>NO</u>
<u>12" x 12" x 1/4" PLATE</u>	<u>GN VENTURE</u>	<u>HT#78565</u>	<u>N/A</u>	<u>MRR 14256</u>	<u>1990</u>	<u>REPLACEMENT (ADDED)</u>	<u>NO</u>
<u>W4 x 13 PIPE FLANGE 2' L.</u>	<u>GN VENTURE</u>	<u>HT#27225</u>	<u>N/A</u>	<u>MRR 15182</u>	<u>1990</u>	<u>REPLACEMENT (ADDED)</u>	<u>NO</u>

7. Description of Work NEW SUPPORT INSTALLATION

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

VT-3/4

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

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

* This material is non Code. 2/2/90

FORM NIS-2 (Back)

9. Remarks: See Attached Documentation

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed John Stancum, ISS Group Leader Date July
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors or or Province of ILLINOIS and employed by H.S.B.I. + I. CO
HARTFORD, CT.

have inspected the component in this Owner's Report during the period 3-17-90 to 7-18-90 and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. H. Stancum Commissions IL 1085
Inspector's Signature National Board, State, Province, and Employer

Date 7-18- 1990

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

1. Owner Commonwealth Edison Company
One First National Plaza
Chicago, IL 60690
Address

Date 5-04-90

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name
R.P. #1, Box 84, Braceville, IL 60407
Address

Unit 2

MOD M20-2-89-027 NWR A35336
Repair Organization P.O. No., Job No., etc.

3. Work Performed by The GN Venture
Name
R.R. #1, Box 80, Braceville, IL 60407
Address

Type Code Symbol Stamp Not Applicable

Authorization No. Not Applicable

Expiration Date Not Applicable

4. Identification of System CHEMICAL AND VOLUME CONTROL (CV)

5. (a) Applicable Construction Code SECTION III 19 74 Edition, S7574 Addenda, None Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>2CV09075G</u>	<u>ELCEN METAL PRODUCTS</u>	<u>N/A</u>	<u>N/A</u>	<u>SUBSYSTEM 2CV09 MRR 16747</u>	<u>N/A</u>	<u>Replacement</u>	<u>No</u>

7. Description of Work INSTALL NEW SUPPORT

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F
VT-3/4

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

FORM NIS-2 (Back)

9. Remarks

See attached documentation

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] ISS Group Leader Date July 12, 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins.

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-16-90 to 7-12-90 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions IL 1085
Inspector's Signature National Board, State, Province, and Endorsement

Date 7-12- 19 90

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

1. Owner Commonwealth Edison Co. Date 3-13-90
Name
One First National Plaza
Chicago, IL Address 60690 Sheet 1 of 1
 2. Plant Braidwood Nuclear Power Station Unit II
Name
R. R. #1, Box 84, Braceville IL 60407 Address
 3. Work Performed by CV Venture Name
R. R. #1, Box 84, Braceville IL 60407 Address
 4. Identification of System 2CV09 - Chemical & Volume Control
 5. (a) Applicable Construction Code ASME III 19 7A Edition, S-74 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981.SB3

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/2 SNORBER</u>	<u>P.S.A.</u>	<u>11748</u>	<u>N/A</u>	<u>2CV09029</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>YES</u>
<u>222 STRUT</u>	<u>GRINNELL</u>	<u>N/A</u>	<u>N/A</u>	<u>MR 18541</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>END BOSS</u>	<u>GRINNELL</u>	<u>N/A</u>	<u>N/A</u>	<u>MR 15657</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work SNORBER REPLACED x STRUT
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F

VT-3/4

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

FORM NIS-2 (Basic)

9. Remarks: See attached documentation
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable
 Certificate of Authorization No. Not Applicable Expiration Date Not Applicable
 Signed Roger Brannan, ISE Group Leader Date July 12
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors or Province of ILLINOIS and employed by H.S.B. I. & I. CO.
Hartford CT. has inspected the component in this Owner's Report during the period 3-17-90 to 7-18-90
 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures in Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. H. Hadden Commission IL 1085
Inspector's Signature National Board, State, Province, and C.
 Date 7-18-1990

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

1. Owner Commonwealth Edison Co. Date 3-13-90
Name
One First National Plaza
Chicago, IL 60690
Address
 2. From Braidwood Nuclear Power Station Sheet 1 of 1
Name
R. R. 81, Box 84, Braceville IL 60407
Address
 3. Work Performed by CV Venture Unit II
Name
R. R. 81, Box 84, Braceville IL 60407
Address
 Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
 Expiration Date Not Applicable
 4. Identification of System 2CV09 - Chemical & Volume Control
 5. (a) Applicable Construction Code ASME III 1974 Edition, S-74 Addenda, NONE Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981.503
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2 SNUBBER	P.S.A.	16692	N/A	2CV09060	N/A	REPAIRED	Yes
222 STRUT	GRINNELL	N/A	N/A	MRR 18541	N/A	REPLACEMENT	No
END BOSS	GRINNELL	N/A	N/A	MRR 15657	N/A	REPLACEMENT	No

7. Description of Work SNUBBER REPLACED x STRUT
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F
VT-314

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

FORM NIS-2 (Back)

9. Remarks See attached documentation
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed John J. Mancini, ISI Group Leader Date July 12
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors or Province of ILLINOIS and employed by H.S.B. I + I, CO
HARTFORD CT. have inspected the component in this Owner's Report during the period 3-16-90 to 7-18-90.
 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Mancini Commission IL-1085
Inspector's Signature National Board, State, Province, and Enc

Date 7-18- 19 90

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

1. Owner Commonwealth Edison Co.
Name

Date 3-13-90

One First National Plaza
Chicago, IL Address 60690

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name

Unit II

R. R. #1, Box 84, Braceville IL 60407
Address

Mod# M202-89-027-027

NWRA 35936

Repair Organization P.O. No., Job No., etc.

3. Work Performed by ON Venture
Name

Type Code Symbol Stamp Not Applicable

R. R. #1, Box 84, Braceville IL 60407
Address

Authorization No. Not Applicable

Expiration Date Not Applicable

4. Identification of System 2 CV09 - Chemical & Volume Control

5. (a) Applicable Construction Code ASME III 19 7A Edition, S-7A Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981.5B3

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1" SNUGGER	PSA	N/A	N/A	2CV09061	N/A	REPLACED	Yes
222 STRUT	GRINNELL	N/A	N/A	MRR 18541	N/A	REPLACEMENT	No
END BOSS	GRINNELL	N/A	N/A	MRR 15657	N/A	REPLACEMENT	No
U-BOLT	ELCEN	N/A	N/A	MRR# 17922	N/A	REPLACEMENT	No
REAR END BRACKET	GRINNELL	N/A	N/A	MRR# 15391	N/A	REPLACEMENT	No

7. Description of Work SNUGGER REPLACED BY STRUT

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

VT-3/4

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

FORM NIS-2 (Back)

9. Remarks See attached documentation

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the reprint are correct and this Replacement conforms to the ASME Code, Section XI. rework or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed John Shannon, ISB Group Leader Date July 12
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors or Province of ILLINOIS and employed by H.S.B.I. & S. Co.
Hartford, CT. have inspected the component in this Owner's Report during the period 3-16-90 to 7-18-90
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures on Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Linde Commission IL 1085
Inspector's Signature National Board, State, Province, and S.

Date 7-18- 1990

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

1. Owner Commonwealth Edison Company Date JUNE 22 1990
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Address

2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 MOD. M20-2-89-027 / A35335
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Expiration Date Not Applicable
Address

4. Identification of System CHEMICAL FEED AND VOLUME CONTROL (CV) ZCV15 SUBSYSTEM

5. (a) Applicable Construction Code SECTION III 19 74 Edition, 574 Addenda, NONE Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 SB3 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SIZE 1/4 SNUBBER	PACIFIC SCIENTIFIC	19586	N/A	ZCV150155	1981	REPLACED	YES
SIZE 1 SNUBBER	PACIFIC SCIENTIFIC	2033	N/A	ISI090136 MRR# 7094	1977	REPLACEMENT	YES
SNUBBER	ITT			ISI010115			
EXTENSION PIECE	GRINNELL	N/A	N/A	MRR# 2039	N/A	REPLACEMENT	NO
FIG. 310N REEL BRACKET	ITT						
	GRINNELL	N/A	N/A	MRR# 15445	N/A	REPLACEMENT	NO
PN: SP2-08-020 CLAMP	NPS INDUSTRIES, INC.	N/A	N/A	MRR# 21027	N/A	REPLACEMENT	NO

7. Description of Work REMOVE SIZE 1/4 SNUBBER AND REPLACE WITH SIZE 1 SNUBBER.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F
VT-3/4

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

9. Remarks

Applicable Manufacturer's Data Reports to be produced:

CERTIFICATE OF COMPLIANCE

ASME Code, Section XI.

Type Code Symbol Status Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed John J. Shannon, ISS Group Leader Date July 12, 1944
 Officer or Owner's Signature, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
 or Province of Illinois and employed by Hartford Ste. Bldg. Insp. & Ins.

Hartford, Connecticut has inspected the components of
in this Owner's Report during the period 3-17-90 to 7-18-90 and is
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Heald IL41085
Investigator's Signature Commissioner
National, State, Provincial, and Indigenous

Date 7-18 1990

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

1. Owner Commonwealth Edison Company Date 4-11-90
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Name Address
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 0407 MOD M20-2-B9-027 / A35336
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL ZCV09 SUBSYSTEM
5. (a) Applicable Construction Code SECTION III 19 74 Edition, SUMMER '74 Addenda, NONE Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 583 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
FIG. 307N, SIZE 1 SNUBBER	PSA	10129	N/A	SUPPORT# ZCV090695	1980	EXTENSION PIECE REPLACED	YES
EXTENSION PIECE FOR FIG. 307N, SIZE 1	ITT GRINNELL	N/A	N/A	MRR# 15914	N/A	REPLACEMENT	NO
RAD END WITH JAM NUT	ITT GRINNELL	N/A	N/A	MRR# 15914	N/A	REPLACEMENT	NO
END BOSS	ITT GRINNELL	N/A	N/A	MRR# 15324	N/A	REPLACEMENT	NO
REAR BRACKET - FIG 307N	ITT GRINNELL	N/A	N/A	MRR# 15445	N/A	REPLACEMENT	NO

7. Description of Work RELOCATE SUPPORT ZCV090695

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure VT 3/4 psi Test Temp. °F

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

FORM NIS-2 (B&B)

9. Remarks: SEE ATTACHED DOCUMENTATION
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rule
 ASME Code, Section XI. REPORT OF REPLACEMENT

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Tom Mansourni, IAT Group Leader Date July 12 19 90
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
 or Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins.
Hartford, Connecticut have inspected the components
 in this Owner's Report during the period 4-11-90 to 7-18-90 and
 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Mansourni Commission IL 21085
 Inspector's Signature National Board, State, Province, and District

Date 7-18- 19 90

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

1. Owner Commonwealth Edison Co.
Name

Date 3-13-90

One First National Plaza
Chicago, IL 60690
Address

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name

Unit II

R. R. #1, Box 84, Braceville IL 60407
Address

MOD # M20-2-87-027-047

NWR A35335

Repair Organization P.O. No., Job No., etc.

3. Work Performed by CV Venture
Name

Type Code Symbol Stamp Not Applicable

R. R. #1, Box 84, Braceville IL 60407
Address

Authorization No. Not Applicable

Expiration Date Not Applicable

4. Identification of System 2CV15 - Chemical & Volume Control

5. (a) Applicable Construction Code ASME III 19 74 Edition, S-74 Addenda, None Code Case

(b) Applicable Edition of Section XI 1981, SB3 for Repairs or Replacements

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
#1 SNUBBER	P.S.A.	14737	N/A	2CV15014	N/A	REPLACED	Yes
222 STRUT	GRINNELL	N/A	N/A	MRR 18541	N/A	REPLACEMENT	No
END BOSS	GRINNELL	N/A	N/A	MRR 15657	N/A	REPLACEMENT	No
2" PIPE CLAMP	GRINNELL	N/A	N/A	MRR 5765	N/A	REPLACEMENT	No

7. Description of Work SNUBBER REPLACED x STRUT

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure VT-3/4 psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks

See attached documentation

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed John J. Janssen, ISX Group Leader Date July 12
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector or Province of ILLINOIS and employed by W. S. S. T. I. CO.
HAWKSPRING, CA. have inspected the component in this Owner's Report during the period 3-17-90 to 7-12-90
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures in Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Janssen Commission IL-1085
Inspector's Signature National Board, State, Province, and/or

Date 7-12- 1990

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

1. Owner Commonwealth Edison Co.
Name
One First National Plaza
Chicago, IL 60690
Address
2. Plant Braidwood Nuclear Power Station
Name
R. R. #1, Box 84, Braceville IL 60407
Address
3. Work Performed by CV Venture
Name
R. R. #1, Box 84, Braceville IL 60407
Address

Date 3-13-90
Sheet 1 of 1
Unit II
Mod # M20-2-89-027-048
VWR A35335
Repair Organization P.O. No., Job No., etc.
Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System 2CV15- Chemical & Volume Control
5. (a) Applicable Construction Code ASME III 19 7A Edition, S-74 Add. Iss. None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981 SR3

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/2 SNUBBER</u>	<u>P.S.A.</u>	<u>14621</u>	<u>N/A</u>	<u>2CV15019</u>	<u>N/A</u>	<u>REPLACED</u>	<u>YES</u>
<u>211 STRUT</u>	<u>GRINNELL</u>	<u>640-A</u>	<u>N/A</u>	<u>MRR 21246</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>END BOSS</u>	<u>GRINNELL</u>	<u>-</u>	<u>N/A</u>	<u>MRR 21246</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>ROD END</u>	<u>GRINNELL</u>	<u>-</u>	<u>N/A</u>	<u>MRR 21246</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>ROD BRKT.</u>	<u>GRINNELL</u>	<u>-</u>	<u>N/A</u>	<u>MRR 21246</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work SNUBBER REPLACED x STRUT

8. Tests Conducted: Hydraulic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F
VT-3/4

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

FORM NIS-2 (Back)

9. Remarks See Attached Documentation
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed John Francione, ISI Group Leader Date July 12
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors or Province of Illinois and employed by H.S.B. & S. Inc.
HARTFORD, CT. have inspected the components in this Owner's Report during the period 3-17-90 to 7-18-90
 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures as Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor 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.

I. Francione Commissions IL #1085
 Inspector's Signature National Board, State, Province, and District

Date 7-18- 1990

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

1. Owner Commonwealth Edison Company
One First National Plaza
Chicago, IL 60690
Address

Date 3-13-90

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name
R.R. #1, Box 84, Braceville, IL 60407
Address

Unit II
Mod# M20-2-B9-027-090
NWR A35335
Repair Organization P.O. No., Job No., etc.

3. Work Performed by The GN Venture
Name
R.R. #1, Box 80, Braceville, IL 60407
Address

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System CHEMICAL AND VOLUME CONTROL (CV)

5. (a) Applicable Construction Code SECTION III 19 79 Edition, 5/74 Addenda, NONE Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 88/583

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/4 SNUBBER</u>	<u>P.S.A.</u>	<u>10396</u>	<u>N/A</u>	<u>2CV15021</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>Yes</u>
<u>FIG. 420 / SIZE 1</u>	<u>ELCOR</u>	<u>10737</u>	<u>N/A</u>	<u>MRR# 15555</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>Yes</u>
<u>SIZE 1 R.H. END</u>	<u>ELCOR</u>	<u>D113</u>	<u>N/A</u>	<u>MRR# 12936</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>No</u>
<u>BOSS W/ PADDLE LOGS</u>	<u>ELCOR</u>	<u>N/A</u>	<u>N/A</u>	<u>1CV0901AR</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>No</u>
<u>SIZE 1 CLAMP</u>	<u>ELCOR</u>	<u>N/A</u>	<u>N/A</u>	<u>MRR# 14815</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>No</u>
<u>FOR 2" Ø PIPE</u>	<u>ELCOR</u>	<u>N/A</u>	<u>N/A</u>	<u>MRR# 15555</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>No</u>
<u>SIZE 1 REAR</u>	<u>ELCOR</u>	<u>N/A</u>	<u>N/A</u>				
<u>BRACKET</u>	<u>ELCOR</u>	<u>N/A</u>	<u>N/A</u>				

7. Description of Work SNUBBER REPLACED X STRUT

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

VT-3/4

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

FORM NIS-2 (Back)

9. Remarks

See attached documentation

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not ApplicableCertificate of Authorization No. Not Applicable Expiration Date Not ApplicableSigned Roger Hancock, ISE Group Leader Date July 12, 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Hartford Stm. Blr. Insp. & Ins. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-17-90 to 7-12-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. W. Wadman Commissions IL 01385
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-12- 1990

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

1. Owner Commonwealth Edison Company
One First National Plaza
Chicago, IL 60690

Date 5-03-90

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
R.R. #1, Box 84, Braceville, IL 60407

Unit 2

MOD M20-2-B9-027 NWR#A35336
Repair Organization P.O. No., Job No., etc.

3. Work Performed by The GN Venture
R.R. #1, Box 30, Braceville, IL 60407

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System CHEMICAL AND VOLUME CONTROL (CV) 2CV09 SUBSYSTEM

5. (a) Applicable Construction Code SECTION III 19 74 Edition, S74 Addenda, NONE Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 SB3 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/4 SNUBBER</u>	<u>PSA</u>	<u>2588</u>	<u>N/A</u>	<u>2CV09003</u>	<u>N/A</u>	<u>REPLACED</u>	<u>YES</u>
<u>5/16" STRUT</u>	<u>ITT GRINWELL</u>	<u>N/A</u>	<u>N/A</u>	<u>MRR#21246</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>FIG. 640N</u>	<u>ITT GRINWELL</u>	<u>N/A</u>	<u>N/A</u>	<u>MRR#21246</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>ROD END</u>	<u>ITT GRINWELL</u>	<u>N/A</u>	<u>N/A</u>	<u>MRR#21246</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>END BOSS</u>	<u>ITT GRINWELL</u>	<u>N/A</u>	<u>N/A</u>	<u>MRR#21246</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>REAR BRACKET</u>	<u>ITT GRINWELL</u>	<u>N/A</u>	<u>N/A</u>	<u>MRR#15315</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>LOAD PIN</u>	<u>ITT GRINWELL</u>	<u>N/A</u>	<u>N/A</u>	<u>MRR#15315</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REPLACE SNUBBER WITH A STRUT.

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

VT-3/4

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

FORM NIS-1 (Rev. 11/88)

9. Remarks: See attached documentation

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] ISE Group Leader Date July 12 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Hartford Sch. Bldg. Insp. & Ins. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-17-90 to 7-18-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions ILA 1025
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18- 19 90

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

1. Owner Commonwealth Edison Company Date 4-30-90
One First National Plaza
Chicago, IL 60690
Address
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407
Address MJD M20-2-89-027 NWR# A35334
Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL (CV) 2CV11 SUB-SYSTEM
5. (a) Applicable Construction Code SECTION III 1974 Edition, 5'74 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83 5'83 ADDENDA
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VARIABLE SUPPORT	ITT GRINNELL	N/A	N/A	SUPPORT # 2CV11099	N/A	REPLACED	NO
SWAY STRUT - FIG. 640A	ITT GRINNELL	N/A	N/A	MAR# 21246	N/A	REPLACEMENT	NO
ROD END	ITT GRINNELL	N/A	N/A	MAR# 21246	N/A	REPLACEMENT	NO
END BOSS	ITT GRINNELL	N/A	N/A	MAR# 21246	N/A	REPLACEMENT	NO
REAR BRACKET	ITT GRINNELL	N/A	N/A	MAR# 21246	N/A	REPLACEMENT	NO

7. Description of Work REPLACE VARIABLE SUPPORT WITH A STRUT.

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

YT-3/4

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

FORM NIS-3 (Back)

9. Remarks FORM NIS CODE DATA REPORT 2C-CV-1H

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed James H. Hannon III Group Leader Date July 12 1990
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and I or Province of Illinois and employed by Hartford Sem. Bldg. Insp. & Ins.
Hartford, Connecticut

have inspected the components in this Owner's Report during the period 7-17-90 to 7-18-90 and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. H. Hannon Commission IL 1085
Inspector's Signature National Board, State, Province, and Employer

Date 7-12- 1990

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

1. Owner Commonwealth Edison Co. Date 3-24-90
Name
One First National Plaza
Chicago, IL 60690
Address

2. Plant Braidwood Nuclear Power Station Sheet 1 of 1
Name
R. R. #1, Box 84, Braceville, IL 60013
Address Unit II
Number A96259
Repair Organization P.O. No., Job No., etc.

3. Work Performed by CV Venture Type Code Symbol Stamp Not Applicable
Name
R. R. #1, Box 84, Braceville, IL 60013
Address Authorization No. Not Applicable
 Expiration Date Not Applicable

4. Identification of System C.V. - Automatic Volume Control

5. (a) Applicable Construction Code ASME III 1979 Edition Addenda None Code Case S-74
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981.SB3

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SIZE 1/2 SNUBBER	P.S.A.	5450 5450 5450	N/A	(CEV07010) 2CV40005	79	REPLACED	Yes
SIZE 1/2 SNUBBER	P.S.A.	12686	N/A	1FW08008	'81	REPLACED	Yes

7. Description of Work SNUBBER REPLACEMENT

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ VT-314
 Other ☒ Procedure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks

SEE ATTACHED DOCUMENTATION

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed J. Francine ISI Group Leader Date May 7 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by H.S.B.I. - I. CO. of HARTFORD CT. have inspected the components described in this Owner's Report during the period 3-24-90 to 6-20-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Madonia Commission IL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20 19 90

FORM NIS-2 (Back)

9. Remarks See Form N-5 Code Data Report 2PC-1

Applicable Manufacturer's Data Reports to be attached

* Installation of Code Items attached to a Non-Code Vessel - not Code stamped, but meets the requirements of MC.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

NOT APPLICABLE

Certificate of Authorization No.

NOT APPLICABLE

Expiration Date

NOT APPLICABLE

Signed

Tom Stancan ISS Group Leader
Owner or Owner's Designee, Title

Date

July 12

19 90

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Hartford Sta. Bldg. Insp. & Ins. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-2-90 to 7-17-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. H. Haddad

Inspector's Signature

Commission

IL 1085

National Board, State, Province, and Inspectors

Date

7-17-90

19 90

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

1. Owner Commonwealth Edison Company Date 7-12-90
Name
One First National Plaza
Chicago, IL 60690
Address
2. Plant Braidwood Nuclear Power Station Sheet 1 of 1
Name
RR 1, Box 84, Braceville, IL 60407
Address Unit 2
MOD #M20-2-89-005 / NWR # A35259
Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
RR 1, Box 80, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System Containment Penetrations N-302
5. (a) Applicable Construction Code Section III, 1974 Edition Summer '76 Addenda N-242-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Summer '83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	Name and Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped ("Yes" or "No")
1" Th. Cover Plate	Bethlehem Steel	N/A	N/A	HT# 58-6-7 Pen 2PC-64A	N/A	Replaced	N/A
16" 150# Weld Neck Flange	WFI Int'l	N/A	N/A	HT# 597SNF MRR# 24262	N/A	Repl.	N/A
16" 150# Blind Flange	WFI Int'l	N/A	N/A	HT# 597SNF MRR# 24264	N/A	Repl.	N/A
1" X 6-t" Studs	Cardinal Corp.	N/A	N/A	Trace# Y3 MRR# 18095	N/A	Repl.	N/A
1" Nuts	Cardinal Corp.	N/A	N/A	Trace# A8 MRR# 18885	N/A	Repl.	N/A

7. Description of Work Cut off cover plate from Penetration 2PC-64A, weld flange to Penetration and install blind flange using bolted connection.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☒ Pressure 56 psi Test Temp. Ambient °F
AT

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

FORM NIS-2 (Back)

9. Remarks: See Form N-5 Code Data Report 2PC-1
Applicable Manufacturer's Data Reports to be attached

* Installation of Code Items attached to a Non-Code Vessel - not Code stamped, but meets the requirements of MC.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed [Signature] TSE Group Leader Date July 12 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-2-90 to 7-17-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and to on corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commission IL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17- 19 90

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

1. Owner Commonwealth Edison Company Date 7-12-90
Name
One First National Plaza
Chicago, IL 60690
Address
2. Plant Braidwood Nuclear Power Station Unit 2
Name
RR 1, Box 84, Braceville, IL 60407
Address MOD #M20-2-89-005 / NWR # A35260
Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
RR 1, Box 80, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System Containment Penetrations N-302
5. (a) Applicable Construction Code Section III 1974 Edition Summer '76 Addenda N-242-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Supplement '83 Addenda
6. Identification of Components Required or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1" Th. Cover Plate	Bethlehem Steel	N/A	N/A	HT# 58-6-6 Pen. 2PC-74A	N/A	Replaced	N/A
16" 150# Weld Neck Flange	WFI Int'l	N/A	N/A	HT# 597SNF MRR# 24262	N/A	Repl.	N/A *
16" 150# Blind Flange	WFI Int'l	N/A	N/A	HT# 597SNF MRR# 24264	N/A	Repl.	N/A *
1" Ø X 6-1/2" Studs	Cardinal Corp.	N/A	N/A	Trace# Y3 MRR# 18095	N/A	Repl.	N/A *
1" Ø Nuts	Cardinal Corp.	N/A	N/A	Trace# A8 MRR# 18885	N/A	Repl.	N/A *

Cut off cover plate from Penetration 2PC-74A, weld flange to

7. Description of Work Penetration and install blind flange using bolted connection.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☒ Pressure 55 psi Test Temp. Ambient °F
RT

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

FORM NIS-2 (Back)

9. Remarks See Form N-5 Code Data Report 2PC-1

Applicable Manufacturer's Data Reports to be attached

* Installation of Code Items attached to a Non-Code Vessel - not Code stamped, but meets the requirements of MC.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed Tom Swannick, ISI Group Leader Date July 12, 1990
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-2-90 to 7-17-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Swannick Commission ILL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17-1990

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

1. Owner Commonwealth Edison Company Date 7-12-90
One First National Plaza
Chicago, IL 60690
 Address Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station Unit 2
RR 1, Box 84, Braceville, IL 60407
 Address MOD #M20-2-B9-005 / NWR #A35261
 Repair Organization P.O. No., Job No., etc.

3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
RR 1, Box 80, Braceville, IL 60407
 Address Authorization No. Not Applicable
 Expiration Date Not Applicable

4. Identification of System Containment Penetrations N-302

5. (a) Applicable Construction Code Section III Edition Summer '78 Addenda N-242-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Replacements 1983 Summer '83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1" Th. Cover Plate	Bethlehem Steel	N/A	N/A	HT# 58-6-8 Pen. 2PC-63A	N/A	Replaced	N/A
16" 150# Weld Neck Flange	WFI Int'l	N/A	N/A	HT# 597SNF MRR# 24262	N/A	Repl.	N/A *
16" 150# Blind Flange	WFI Int'l	N/A	N/A	HT# 597SNF MRR# 24264	N/A	Repl.	N/A *
1" Ø X 6-1/2" Studs	Cardinal Corp.	N/A	N/A	Trace# Y3 MRR# 18095	N/A	Repl.	N/A *
1" Ø Nuts	Cardinal Corp.	N/A	N/A	Trace# A8 MRR# 18885	N/A	Repl.	N/A *

Cut off cover plate from Penetration 2PC-63A, weld flange to

7. Description of Work Penetration and install blind flange using bolted connection.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☒ Pressure 56 psi Test Temp. Ambient °F

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

FORM NIS-2 (Back)

9. Remarks See attached documentation.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed J. Francour ISE Group Leader Date June 29, 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by HARDI - I.C. of HARTFORD CT. have inspected the components described in this Owner's Report during the period 10-17-89 to 7-3-90, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Mahoney Commission IL# 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-3- 19 90

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

1. Owner Commonwealth Edison Company
One First National Name Plaza
Chicago, IL 60690

Date 5-4-90

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
R.R. #1, Box 84 Name
Braceville, IL 60407 Address

Unit 2

NWR 435223
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Mechanical Maintenance Dept.
Braidwood Nuclear Power Name Station
R.R. #1, Box 84
Braceville, IL 60407 Address

Type Code Symbol Stamp NOT APPLICABLE

Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

4. Identification of System CS / CONTAINMENT

5. (a) Applicable Construction Code Section II 19 74 Edition, 2.5 Addenda — Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE CHECK	TRW MISSION	D-2971	NA	Model No. K30CPF-V04	—	REPLACED	YES 6-29-90
VALVE CHECK	TRW MISSION	P-7704	NA	Model No. K30CPF-T10	'81	REPLACED	YES 6-29-90

7. Description of Work REPLACED VALVE (Baltd)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ VF-2 deferred
Other ☐ Pressure — psi Test Temp. — °F

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

FORM NIS-2 (Back)

8. Remarks

See attached documentation

Applicable Manufacturer's Data Reports to be attached

Check valve s/n D-2975 was the original replacement,
this valve was then replaced by Check valve s/n
P-7709.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Expiration Date

Not Applicable

Signed

J. Francour ISB Group Leader

Date

June 29

19 90

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by HSB-2 Co of HARTFORD CT have inspected the components described in this Owner's Report during the period 4-30-90 to July 3-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Macdonald

Inspector's Signature

Commission

ILB 1085

National Board, State, Province, and Government

Date

7-3-

19 90

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

1. Owner Commonwealth Edison Company Date 5-3-90
One First National Name Plaza
Chicago, IL 60690 Address Sheet 1 of 1
2. Plant Braidwood Nuclear Power Station Name II
R.R. #1, Box 84 Address NUR # A35224
Braceville, IL 60407 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp NOT APPLICABLE
Braidwood Nuclear Power Name Station Authorization No. NOT APPLICABLE
R.R. #1, Box 84 Expiration Date NOT APPLICABLE
Braceville, IL 60407 Address
4. Identification of System CS CONTAINMENT SPRAY
5. (a) Applicable Construction Code SECTION XI 1974 Edition, 575 Addenda, - Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983/SC3

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE CHECK	TRW MISSION	P7714	NA	---	---	REPLACED	YES 9-29-90
VALVE CHECK	TRW MISSION	D2975	NA	---	---	Replaced	YES 9-29-90
VALVE CHECK	TRW MISSION	P7708	NA	K50088	'81	REPLACEMENT	YES 9-29-90

7. Description of Work REPLACED VALVE

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F
- Deferred UT-2

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

FORM NIS-2 (Back)

9. Remarks See Attached Parts Evaluation #A-90-03-
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Expiration Date

Not Applicable

Signed

John Francisco, ISI Group Leader

Date

July 20

19 90

Inspector or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the or Province of ILLINOIS and employed by HSBI, Inc.

HARTFORD CT.

has inspected the components described in this Owner's Report during the period 1-18-89 to 7-20-90, and state

to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Thomas
Inspector's Signature

Commission

IA 1085

National Board, State, Province, and Endorsement

Date

7-20-

1990

(12/83)

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Commonwealth Edison Company
One First National Name Plaza
Chicago, IL 60690
Address
2. Plant Braidwood Nuclear Power Station
R.R. #1, Box 84 Name
Braceville, IL 60407
Address
3. Work Performed by Mechanical Maintenance Dept.
Braidwood Nuclear Power Name Station
R.R. #1, Box 84
Braceville, IL 60407 Address
4. Identification of System DIESEL GENERATOR (D/G)
5. (a) Applicable Construction Code ASME Sec. III 19 83 Edition, W. 84 Addenda, Name Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 583

Date 7/9/90
 Sheet 1 of 1
 Unit #2
NWR# A22039
Repair Organization P.O. No., Job No., etc.
 Type Code Symbol Stamp NOT APPLICABLE
 Authorization No. NOT APPLICABLE
 Expiration Date NOT APPLICABLE

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Thermowell Jacket Water</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2TEW-06090A</u>	<u>N/A</u>	<u>Replaced</u>	<u>No</u>
<u>Thermowell</u>	<u>Alloy Eng. Co.</u>	<u>MRR # 21192</u>	<u>N/A</u>	<u>HT # QABST</u>	<u>N/A</u>	<u>Replacement</u>	<u>No</u>

7. Description of Work Repaired Thermowells
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ VT-2
 Other ☐ Pressure 5.5 psi Test Temp.

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

Form NIS-2

FORM NIS-2 (Back)

9. Remarks SEE N-5 CODE DATA REPORT 2FW-1

Applicable Manufacturer's Data Reports to be attached

Worm 1-16-79

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed S. Clark Date 3-16
Owner or Owner's Designee Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors or Province of Illinois and employed by HSE I. & I. Co.
Hartford, Conn.

Hartford, Conn. _____ have inspected the component
in this Owner's Report during the period _____ to 16 MAY, 1989
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

William J. Caldwell
Inspector's Signature

Commissions 146. 682
National Board, State, Province, and E.

Date 16 May 1989

APPENDIX II - MANDATORY

Form NIS-2

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

1. Owner Commonwealth Edison Co. Date MARCH 16, 1988
Name
RR 1, Box 81, Braceville, IL
Address 60407
2. Plant Braidwood Sheet 1 of 1
Name
RR 1, Box 81, Braceville, IL
Address 60407 Unit 2
MOD# M2D-2-88-029 / NWR# A25796
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Phillips, Getchow Co. Type Code Symbol Stamp N/A
Name
RR 1, Box 81, Braceville, IL
Address 60407 Authorization No. N/A
Expiration Date N/A
4. Identification of System FEED WATER
5. (a) Applicable Construction Code SECTION III 19 74 Edition, 5'75 Addenda N-242-1, N-302 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 5'83 ADDENDA
CODE CASE N-416
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
16" CHECK VALVE	BORG WARNER	79388	N/A	EPN# 2FW10783	1983	REPLACED	YES
16" Ø PIPE	UNITED STATES STEEL CORP	N/A	N/A	HT# 3MD120 MAR# 17367	N/A	REPLACEMENT	N/D

7. Description of Work CUT OUT CHECK VALVE (EPN# 2FW10783) AND REPLACE WITH 16" Ø SA-106 GR. B 5/8" SMLS PIPE 1'-9 7/8" LG.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 1250 psi Test Temp. 437 °F

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

Form NIS-2

9. Remarks SEE W.E CODE DATA REPORT 2FW-1

Applicable Manufacturer's Data Reports to be attached

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed S Clark Date 3-16
Owner or Owner's Designee, Title

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector
or Province of Illinois and employed by HSB I. & I. Co.
Hartford, Conn. have inspected the foregoing

Hartford, Conn. _____ have inspected the component in this Owner's Report during the period _____ to 16 MAY, 1989, to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

William J. Caldwell Commissions 146, # 682
Inspector's Signature National Board, State, Province, and En

Date 16 May 1989

APPENDIX II - MANDATORY

Form NIS-2

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

1. Owner Commonwealth Edison Co. Date MARCH 16, 1989
Name
RR 1, Box 81, Braceville, IL
Address 60407
2. Plant Braidwood Sheet 1 of 1
Name
RR 1, Box 81, Braceville, IL
Address 60407 Unit 2
MOD# M2D-2-88-029 / NWR# A25789
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Phillips, Getschow Co. Type Code Symbol Stamp N/A
Name
RR 1, Box 81, Braceville, IL
Address 60407 Authorization No. N/A
Expiration Date N/A
4. Identification of System FEEDWATER
5. (a) Applicable Construction Code SECTION III 1974 Edition, 575 Addenda N-242.1, N-302 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 583 ADDENDA
CODE CASE N-416
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6" CHECK VALVE	EPORG WARNER	79442	N/A	EPN# 2FWJ078C	1983	REPLACED	YES
6" Ø PIPE	UNITED STATES STEEL CORP.	N/A	N/A	HT# 3MD120 MAR# 17367	N/A	REPLACEMENT	NO

7. Description of Work CUT OUT CHECK VALVE (EPN# 2FWJ078C) AND REPLACE WITH 6" Ø SA-106 GR. B 1/2" SMLS PIPE 1'-9 7/8" LG.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 1250 psi Test Temp. 437 °F

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

SECTION XI - DIVISION I

9. Remarks SEE N-5 CODE DATA REPORT 2FW-1

Applicable Manufacturer's Data Reports to be attached

LOGON 31689

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed S Clark Date 3-16
Owner or Owner's Designee, Title

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector
or Province of Illinois and employed by HSB I. & I. Co.
Hartford, Conn.

_____ have inspected the component in this Owner's Report during the period _____ to 16 MAY, 1989, to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

William J. Caldwell Commissions 146. # 682
Inspector's Signature National Board, State, Province, and Empire

DATE 16 May 1989

APPENDIX II - MANDATORY

Form NIS-2

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

1. Owner Commonwealth Edison Co. Date MARCH 16 1989
Name
RR 1, Box 81, Braceville, IL
Address 60407
 2. Plant Braidwood Sheet 1 of 1
Name
RR 1, Box 81, Braceville, IL
Address 60407 Unit 2
 3. Work Performed by Phillips, Gutschow Co. MOD# M2D-2-88-029 / NWR#A25731
Name Repair Organization P.O. No., Job No., etc.
RR 1, Box 81, Braceville, IL
Address 60407 Type Code Symbol Stamp N/A
 Authorization No. N/A
 Expiration Date N/A
 4. Identification of System FEEDWATER
 5. (a) Applicable Construction Code SECTION III 19 74 Edition, S-75 Addenda N-242-1, N-302 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 583 ADDENDA
CODE CASE N-416
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
16" CHECK VALVE	BORG WARNER	77000	N/A	EPIC 2FWJ078A	1982	REPLACED	YES
16" Ø PIPE	UNITED STATES STEEL CORP	N/A	N/A	HT# 3M0120 MAR# 17367	N/A	REPLACEMENT	NO

7. Description of Work CUT OUT CHECK VALVE (EPIC# 2FWJ078A) AND REPLACE WITH 16" Ø SA-106 GR. B S/B SMLS PIPE 1'-9 1/2" LG.
8. Tests Conducted. Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 1250 psi Test Temp. 437 °F

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

Form NIS-2

FORM NIS-2 (Back)

Applicable Manufacturer's Data Reports to be attached

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Clark Date 3-16-89 19

Owner or Owner's Designee, Title

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Illinois and employed by HSB I. & I. Co. of _____
Hartford, Conn. have inspected the components described
in this Owner's Report during the period _____ to 16 MAY, 1989, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature William J. Caldwell Commissions ILL. # 682
National Board, State, Province, and Endorsements

Date 16 May 1989

APPENDIX II - MANDATORY

Form NIS-2

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Commonwealth Edison Co. Date MARCH 16, 1989
Name
RR 1, Box 81, Braceville, IL
Address 60407
2. Plant Braidwood Unit 2
Name
RR 1, Box 81, Braceville, IL
Address 60407
 MOD# M20-2-EB-229 / NWR# A25788
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Phillips, Gerschow Co. Type Code Symbol Stamp N/A
Name
RR 1, Box 81, Braceville, IL
Address 60407
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System FEEDWATER
5. (a) Applicable Construction Code SECTION III 19 74 Edition, 5.75 Addenda N-242-1, N-302 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 EB3 APPEND
CODE CASE N-416
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6" CHECK VALVE	BORG WARNER	79297	N/A	EPN# 2FWJ078D	1983	REPLACED	YES
6" Ø PIPE	UNITED STATES STEEL CORP	N/A	N/A	HT# 3MD126 MRA# 17367	N/A	REPLACEMENT	NO

7. Description of Work CUT OUT CHECK VALVE (EPN# 2FWJ078D) AND REPLACE WITH 6" Ø SA-106 Gr B 5/80 SMLS PIPE 1'-10 5/16" LG.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 1250 psi Test Temp. 437 °F

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

FORM NIS-2 (Back)

9. Remarks See attached documentation, including Recertification
Applicable Manufacturer's Data Reports to be attached
of Code Years & Addendos

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable
 Certificate of Authorization No. Not Applicable Expiration Date Not Applicable
 Signed J. Stancovics ISI Group Leader Date June 29 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
 or Province of ILLINOIS and employed by HSBI - I Co of
HARTFORD CT. have inspected the components described
 in this Owner's Report during the period 2-20-90 to 7-3-90 and state that
 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Stancovics Commissions IL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-3- 19 90

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

1. Owner COMMONWEALTH EDISON CO Date 4-20-90
Name
RR1, BOX B3, BRACEVILLE IL, 60407 Sheet 1 of 1
Address
2. Plant BRAIDWOOD STATION Unit 2
Name
RR1, BOX B3, BRACEVILLE IL 60407 PO#327966 UCA 14 NWR A 38123
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by WESTINGHOUSE ELECTRIC CORP. Type Code Symbol Stamp NOT APPLICABLE
Name Authorization No. NOT APPLICABLE
PO BOX 355 PITTSBURGH PA. 15230 Expiration Date NOT APPLICABLE
Address
4. Identification of System FEEDWATER STEAM GENERATOR 2AC01BC (SIN 2/13)
5. (a) Applicable Construction Code SECTION III 19 71 Edition SUMMER '72 Addenda 1355
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 SUMMER 1983 Addenda Code Case
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped 'Yes or No)
FLANGE F8C BOLT #1	WESTINGHOUSE	061	NIA	AN 67765-D			
FLANGE F8C BOLT #1	SOUTHERN BOLT CORP.	049	NIA	1518B HEAT # 73340	NIA 1986	REPLACED REPLACEMENT	NO NO

7. Description of Work REPLACED DAMAGED BOLT WITH NEW BOLT (SZ # 791E09)
CODE RECONCILIATION WAS PERFORMED FOR BOLT
8. Tests Conducted. Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 1425 psi Test Temp. N/A °F

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

FORM NIS-2 (Back)

B. Remarks See attached documentation.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not applicable

Certificate of Authorization No. Not applicable Expiration Date Not applicable

Signed John Stumm ISI Group Leader Date July 12 1996
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspection and the or Province of ILLINOIS and employed by HSEI, INC.
HARTFORD CT.

have inspected the components described in this Owner's Report during the period 5-4-96 to 7-17-96 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Stumm Commission IL-1085
Inspector's Signature National Board, State, Province, and Endorsement

Date 7-17 1996

(12/83)

NOTICE: This form is to be used only for the purpose of certifying that the work described in the report was performed in accordance with the requirements of the ASME Code, Section XI. It is not to be used for any other purpose.

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

1. Owner Commonwealth Edison Company Date 5-5-90
One First National Name Plaza
Chicago, IL 60690
Address

2. Plant Braidwood Nuclear Power Station Unit II
R.R. #1, Box 84 Name
Braceville, IL 60407 Address
 Repair Organization P.O. No., Job No., etc. NWR # A35921

3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp NOT APPLICABLE
Braidwood Nuclear Power Name Station
R.R. #1, Box 84 Address
Braceville, IL 60407 Authorization No. NOT APPLICABLE
 Expiration Date NOT APPLICABLE

4. Identification of System FW / FEED WATER

5. (a) Applicable Construction Code Section II, 1079 Edition, W75 Addenda, --- Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 10-83/583

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Bonnet, VALVE	ANCHOR DARTLING	---	---	HT # 216759	---	REPAIRED	No
RETAINER GASKET	Braidwood	MAA 8001	---	HT # E32909	1990	REPLACEMENT	NO

7. Description of Work REPAIR BONNET ASSY. 3 weld repair of bonnet, fabricated gasket retainer

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ☒
 Other ☒ Pressure 1010 psi Test Temp. 214 °F
HT VF-2

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

FORM NIS-2 (Back)

9. Remarks

SEE ATTACHED DOCUMENTATION

Applicable Manufacturer's Data Reports to be attached

Code cases listed in Section 5.a. of this NIS-2 apply to the construction/fabrication of this system and not to the work performed on this ASME Replacement.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

NOT APPLICABLE

Certificate of Authorization No.

NOT APPLICABLE

Expiration Date

NOT APPLICABLE

Signed

Shannon ISI Group Leader
Owner or Owner's Designee, Title

Date June 29

to 90

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by HSRI, Inc. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 2-26-90 to 7-9-90, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

I. Hansen
Inspector's Signature

Commissions

IL # 1085

National Board, State, Province, and Endorsements

Date

7-9-

1990

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

1. Owner COMMONWEALTH EDISON CO
Name
RR 1 BOX 83 BRACEVILLE IL 60407
Address
- Date 4-20-90
2. Plant BRANDWOOD STATION
Name
RR 1 BOX 83 BRACEVILLE IL 60407
Address
- Sheet 1 of 1
- Unit 2
3. Work Performed by WESTINGHOUSE ELECTRIC CORP.
Name
PO BOX 355 PITTSBURGH PA 15230
Address
- Repair Organization P.O. No., Job No., etc. PD 327966 CCAIL NWR A30172
- Type Code Symbol Stamp NOT APPLICABLE
- Authorization No. NOT APPLICABLE
- Expiration Date NOT APPLICABLE
4. Identification of System FEDWATER STEAM GENERATOR 2RC01BB (SIN 2114)
5. (a) Applicable Construction Code SECTION III 1971 Edition, SAFEG 17 Addenda, 1355, 1424-3 Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Addenda 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp (Yes or No)
FLANGE F9B COVER	WESTINGHOUSE	TO-8416-22	NIA	NIA	NIA	REPLACED	NO
FLANGE F9B COVER	WESTINGHOUSE	C43578	NIA	HTA U1617/9M	NIA	REPLACEMENT	NO

7. Description of Work REPLACED DAMAGED HANDHOLE COVER WITH NEW COVER (SEE 791C30)
8. Tests Conducted: Hydraulic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Pressure 142.5 psi Test Temp. HT-2

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

FORM NIS-2 (Rev. 11-63)

9. Remarks

SEE ATTACHED DOCUMENTATION

Applicable Agency Feature's Data Reports to be provided

① These parts are appurtenances to ASME Code stamped valve.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and the REPORT conforms to the rules of the ABA's Code Section XI.

Type Code Symbol Subject

Not Applicable

Certificate of Authorization to

Not Applicable.

Insurance Co.

Not Applicable

Wm. J. Spannow 355 Group Leader

2 June 19

92

Overpass on Overpass: Overpass, 1 Mile

CERTIFICATE OF INDIVIDUAL INSPECTION

1. the undersigned, holding a valid certificate, is all of the National Board of Boiler and Pressure Vessel Inspectors and the Bureau of Prisons of ILLINOIS acting as HSB - I Co.

in this Owner's Report during the period 11-7-84 to 7-3-90, and note that to the best of my knowledge and belief, the Owner has performed maintenance and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASHRAE Code, Section XI.

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

I understand

1. *Microtus pennsylvanicus* (Pennsylvanian meadow mouse)

Common tasks

ILA, 085

National Board, Bureau, Provincial, and Administrative

Clayton

7-3-

10 १८

(12/82)

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

1. Owner Commonwealth Edison Company
One First National Name Plaza
Chicago, IL 60690

Date 11-3-89

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
R.R. #1, Box 84
Braceville, IL 60407

Unit C2

WR# A36568

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Mechanical Maintenance Dept.
Braidwood Nuclear Power
R.R. #1, Box 84
Braceville, IL 60407

Type Code Symbol Stamp NOT APPLICABLE

Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

4. Identification of System F.W. - FEED WATER

5. (a) Applicable Construction Code ASME CLASS II 19 74 Edition, 595 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, 583

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
UPPER Retainer	BWIP	N/A	N/A	2W029A	N/A	Replaced	No
UPPER Retainer	BWIP	206132	N/A	HT# 631363	1990	Replacement	No
Weld Rod	L-TEC	Little So # 897371-P03	N/A	HT# 065496	N/A	Repair	No

7. Description of Work Replaced Upper Retainer, Weld Repair

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ (VT-2)

Other ☐ Pressure 1400 psi Test Temp. N/A °F

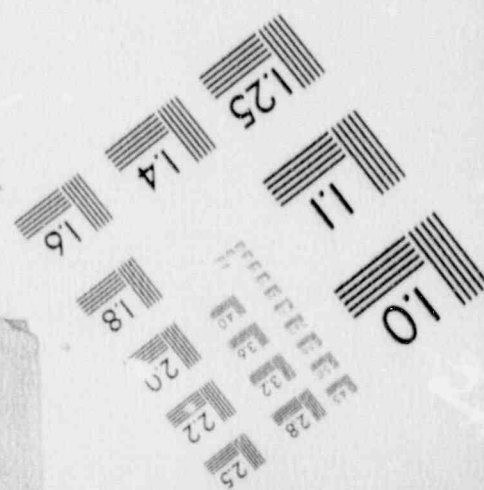
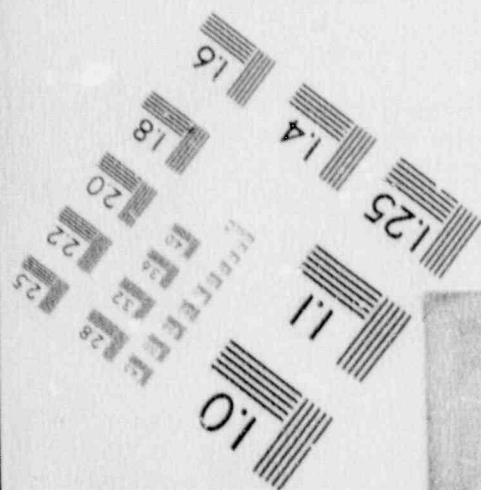
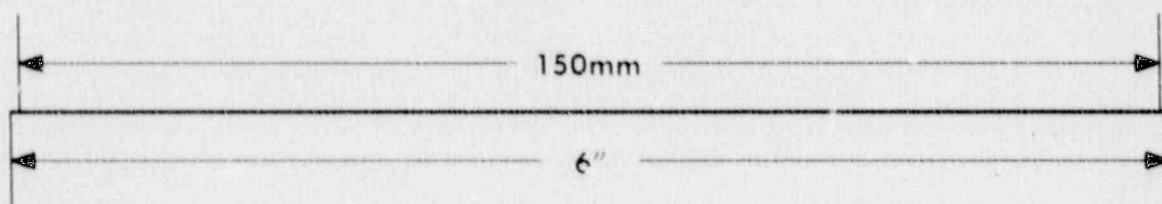
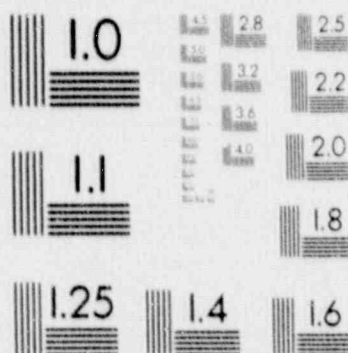
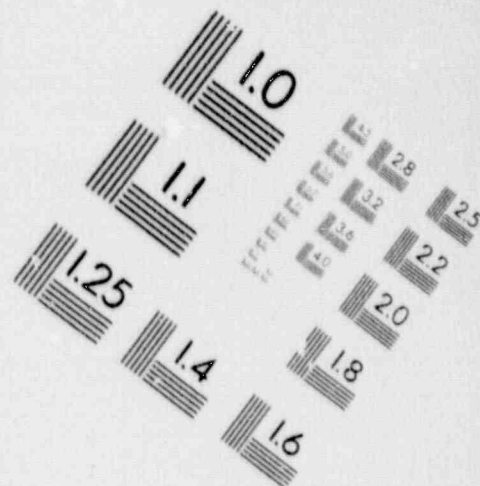
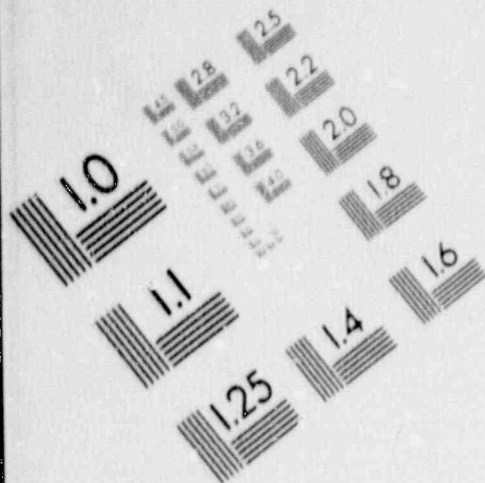
* Borg Warner Industrial Products

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

① See remarks section 9 on the back of this form.

1

IMAGE EVALUATION
TEST TARGET (MT-3)



FORM NIS-2 (Back)

9. Remarks See Attached CMTR
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable
 Certificate of Authorization No. Not Applicable Expiration Date Not Applicable
 Signed Regis J. Francoux, Asst. Tech. Staff Supv. Date July 27, 19 90
 Officer or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by HARTMAN CO. of HARTMAN CO. have inspected the components described in this Owner's Report during the period 5-6-90 to 7-27-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

I. Francoux Commission IL # 1005
 Inspector's Signature National Board, State, Province, and Endorsements
 Date 7-27- 19 90

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

1. Owner Commonwealth Edison Company
One First National Name Plaza
Chicago, IL 60690

Date 5-6-90

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
R.R. #1, Box 84 Name
Braceville, IL 60407 Address

Unit II

NWR# A27991

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Mechanical Maintenance Dept.
Braidwood Nuclear Power Name Station
R.R. #1, Box 84
Braceville, IL 60407 Address

Type Code Symbol Stamp NOT APPLICABLE

Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

4. Identification of System MS / Main Steam

5. (a) Applicable Construction Code Section XI 1974 Edition, W75

Addenda --- Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83/583

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>2MS020C Bonnet</u>	<u>VELAN</u>	<u>1761 (valve)</u>	<u>N/A</u>	<u>MT, PTWA 5239, W262</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>NO</u>
<u>Weld Rod</u>	<u>L-TEC</u>	<u>L-TEC-65</u>	<u>N/A</u>	<u>Heat # 065513</u>	<u>N/A</u>	<u>Repair</u>	<u>NO</u>

7. Description of Work repair bonnet

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ VT-2
Other ☐ Pressure 1010 psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks See attached documentation
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable
 Certificate of Authorization No. Not Applicable Expiration Date Not Applicable
 Signed J. Francom, Asst. Tech Staff Supervisor Date Aug 10 19 90
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by HSPH & S. Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 11-07-89 to 8-14-90, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. [Signature] Commissions IL M 1085
 Inspector's Signature National Board, State, Province, and Endorsements
 Date 8-14- 19 90

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

1. Owner Commonwealth Edison Company Date 10/24/90
Name
One First National Plaza Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1 Box 84 Braceville, IL 60407 NWR#A36038
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name
Braidwood Nuclear Power Station Authorization No. Not Applicable
R.R. #1 Box 84 Expiration Date Not Applicable
Address
4. Identification of System Main Steam (MS)
5. (a) Applicable Construction Code Section II, Class 219 74 Edition 5 '74 Addenda None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83/SB3

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
plug	Anchor Darling Valve Co.	N/A	N/A	2M 71BA	N/A	replaced	No
plug	Anchor/Darling Valve Co.	344	N/A	HT Code A16B	N/A	replacement	No
		QSB 8/14/1					

7. Description of Work Rebuild Valve
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ VT-2
Other ☐ Pressure 1000 psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks SEE FORM NIS-2 DATA REPORT 2RC-1

See attached CMTR. Code cases listed in f
5a. of this NIS-2 form are/were utilized for
construction of this system and were not invoked for
ASME Replacement.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed R. Stancin ISI Group Leader Date June 29 1990
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
 or Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins.
Hartford, Connecticut have inspected the components of
 in this Owner's Report during the period 5-17-90 to 7-2-90 and st
 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures describ
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. McLean Commissions IL# 1085
 Inspector's Signature National Board, State, Province, and Endorsement

Date 7-2-90 1990

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

1. Owner Commonwealth Edison Company
One First National Plaza
Chicago, IL 60690
Address

Date June 29, 1990

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name
R.R. #1, Box 84, Braceville, IL 60407
Address

Unit 2

MOD M20-2-89-027 NIUR# A35335
Repair Organization P.O. No., Job No., etc.

3. Work Performed by The GN Venture
Name
R.R. #1, Box 80, Braceville, IL 60407
Address

Type Code Symbol Stamp Not Applicable

Authorization No. Not Applicable

Expiration Date Not Applicable

4. Identification of System REACTOR COOLANT (RC)

5. (a) Applicable Construction Code SECTION III 19 74 Edition, 5'75 Addenda N-242-1, N-302, N-316, N-340 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 5'83 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
LINE#2RC14AB-2" SPool#2542C-251-3	PHILLIPS, GETSCHOW	2RC-1	N/A	HT#GE HT#EPF	1987	REPLACEMENT	YES

ADDITION OF DRAIN LINE OFF 2RC14AB-2". ADDED 2" STR. TEE HT#GE (MRR#15291)
AND 2"x1" REDUCING INSERT HT#EPF (MRR#15291)

7. Description of Work

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure 2280 psi Test Temp. 557 °F

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

FORM NIS-2 (Back)

9. Remarks SEE FORM N-5 DATA REPORT ZRC-1
Applicable Manufacturer's Data Reports to be attached
See attached CMTR.
Code cases listed in section 5a of this NIS-2 are
invoked for construction (N-5) and not for this AS
Replacement.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed J. Gracian ISI Group Leader Date June 29 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
 or Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins.
Hartford, Connecticut have inspected the components of
 in this Owner's Report during the period 3-17-90 to 7-2-90, and it
 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Gracian Commission IL# 1085
Inspector's Signature National Board, State, Province, and Endorsement

Date 7-2- 19 90

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

1. Owner Commonwealth Edison Company Date June 29, 1990
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 MOD M20-2-89-027 NWR#A35334
Address Repair Organization P.O. R.O., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System REACTOR COOLANT (RC)
5. (a) Applicable Construction Code SECTION III 1974 Edition, SUMMER '75 Addenda N-242-1, N-302, N-316, N-340 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 SUMMER '83 ADDENDA
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
LINE# 2RC14AA-2" SPDL# 2542C-24B-3	COMMONWEALTH EDISON	N/A	N/A	HT#GE HT#EPF	1987	REPLACEMENT	YES

7. Description of Work ADD DRAIN LINE OFF 2RC14AA-2". ADD 2" 6000# SA-182 GR. F304 STR. TEE HT#GE (MRA#15291) AND 2"x1" 6000# SA-182 GR. F304 RED. INSERT. HT#EPF (MRA#15291)

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure 2280 psi Test Temp. 557 °F

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

FORM NIS-2 (Back)

9. Remarks SEE FORM N-5 CODE DATA REPORT 2RC-1

Applicable Manufacturer's Data Reports to be attached

See attached CMTR.

Code cases listed in section 5.0 of this NIS-2 were invoked during the system construction (N-5) and was not for this ASME Replacement.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signature [Signature] Title ISI Group Leader Date June 29, 19 90

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and in or Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins.

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-17-90 to 7-2-90 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commission IL# 1085
National Board, State, Province, and Endorsement

Date 7-2- 19 90

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

1. Owner Commonwealth Edison Company Date June 29, 1990
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Name Address
2. Plant Braidwood Nuclear Power Station Unit 2
R.R. #1, Box 84, Braceville, IL 60407 MOD M20-2-89-027 NWR# A35336
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Authorization No. Not Applicable
Name Address Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT (RC) N-242-1, N-302
5. (a) Applicable Construction Code SECTION III 19 74 Edition, 5'75 Addenda, N316, N-340 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 5'83 ADDENDA
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
LINE# 2RC14AC-2" SPDOL# 2542C-230-3	PHILLIPS, GETSCHOW	2RC-1	N/A	HT#GE HT#EPF	1987	REPLACEMENT	YES

7. Description of Work ADDITION OF DRAIN LINE OFF 2RC14AC-2". ADDED 2" STR.TEE HT#GE (MRR#15291)
AND 2"x1" REDUCING INSERT HT#EPF (MRR#15291)

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure 2280 psi Test Temp. 557 °F

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

FORM NIS-2 (Back)

9. Remarks SEE FORM N-5 CODE DATA REPORT 2RC-1.
See attached CMTR.
Code cases listed in section 5a. of this NIS-2 wer
invoked for construction of this system and were not
for this ASME Replacement.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] ISB Group Leader Date June 29 19 90
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the or Province of Illinois and employed by Hartford Stm. Plr. Insp. & Ins.

Hartford, Connecticut have inspected the components de in this Owner's Report during the period 3-16-90 to 7-2-90 and etc to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commission ILH1096
 Inspector's Signature National Board, State, Province, and Endorsement

Date 7-2- 19 90

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

1. Owner Commonwealth Edison Company Date 5-04-90
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Name Address
2. Plant Braidwood Nuclear Power Station Unit 2
R.R. #1, Box 84, Braceville, IL 60407
Name Address MOD. M20-2-89-027 NWR*A 35337
Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Authorization No. Not Applicable
Name Address Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT (RC)
5. (a) Applicable Construction Code SECTION III 19 74 Edition, 5.75 Addenda, N-316, N-340 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 SB3 ADDENDUM

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPOOL # 25420-223 2 LINE # 2AC14AD-2	PHILLIPS, GETSCHOW	2AC-1	NIA	HT#GE M20-15291 HT#EPF M20-15291	1987	REPLACEMENT	YES

7. Description of Work ADDITION OF DRAIN LINE OFF 2AC14AD-2". ADDED 2" STEEL TEE (HT#GE)
AND 2"x1" REDUCING W. T (HT#EPF).

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure 22.80 psi Test Temp. 557 °F

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

FORM NIS-2 (Back)

9. Remarks Reference DVR 20-2-90-011 and RIR 957-200-90-01101, Eng
Letters, DVR attached. Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed John J. Brennan Ass't Tech Staff Super Date Aug. 2 19 90
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the
 or Province of Illinois and employed by Hartford Stm. Blr. Insp. & Ins.

Hartford, Connecticut have inspected the components described
 in this Owner's Report during the period 2-20-90 to 8-6-90 and state
 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Brennan Commissions ILN 1085
 Inspector's Signature National Board, State, Province, and Endorsement

Date 8-6-90 19 90

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

1. Owner Commonwealth Edison Company Date 2-7-90
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit 2
R.R. #1, Box 84, Braceville, IL 60407 MOD M20-2-BB-037 NWR#A51637
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Authorization No. Not Applicable
Name Address Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME III 19 74 Edition, SUMMER '76 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S'83 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ADAPTER BLOCK	WYLE LABORATORIES	N/A	N/A	PART#D880512-1 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP	WYLE LABORATORIES	N/A	N/A	PART#D880512-2 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP (MIRROR IMAGE)	WYLE LABORATORIES	N/A	N/A	PART#D880512-3 MRR#24196	N/A	REPLACEMENT	NO
HEX HEAD CAP SCREWS	WYLE LABORATORIES	N/A	N/A	MRR#24196	N/A	REPLACEMENT	NO
THIRD STUDS AND HVY. HEX NUTS	WYLE LABORATORIES	N/A	N/A	MRR#24196	N/A	REPLACEMENT	NO

7. Description of Work INSTALL TEST MANIFOLDS ON STEAM GENERATOR SNUBBER 2/N:1 EPN 2RC01BA-A

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure VT-3/4 psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks Reference DVR 20-2-90-011, attached, and Engr. Ltr. BPD #5.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed J. Francese Asst Tech Staff Supervisor Date Aug. 2 1990
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
or Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins.
Hartford, Connecticut have inspected the components c
in this Owner's Report during the period 2-26-90 to 8-6-90, and
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures describe
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Francese Commissions IL 1085
Inspector's Signature National Board, State, Province, and Endorser

Date 8-6- 1990

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

1. Owner Commonwealth Edison Company Date 6-2-90
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit 2
R.R. #1, Box 84, Braceville, IL 60407 MOD. M20-2-88-037 NWR# A311638
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Authorization No. Not Applicable
Name Address Expiration Date
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME III 19 74 Edition SUMMER '76 Addenda N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 SB3 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ADAPTER BLOCK	WYLE LABORATORIES	N/A	N/A	PART#D880512-1 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP	WYLE LABORATORIES	N/A	N/A	PART#D880512-2 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP (MIRROR IMAGE)	WYLE LABORATORIES	N/A	N/A	PART#D880512-3 MRR#24196	N/A	REPLACEMENT	NO
HEX HEAD CAP SCREWS	WYLE LABORATORIES	N/A	N/A	MRR#24196	N/A	REPLACEMENT	NO
THRD STUDS AND HVY. HEX NUTS	WYLE LABORATORIES	N/A	N/A	MRR#24196	N/A	REPLACEMENT	NO

7. Description of Work INSTALL TEST MANIFOLDS ON STEAM GENERATOR SNUBBER S/N: 20 EPN 2RC01BA-B.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F
VT-3/4

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

FORM NIS-2 (Back)

9. Remarks Reference DVR 21-2-90-011, attached, and Engr. Ltr. 8PMR502
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed R. J. Jaramila Asst. Tech. Staff Supervisor Date Aug. 2, 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the or Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins.

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-26-90 to 8-6-90 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Jaramila Commissions IP 1085
Inspector's Signature National Board, State, Province, and Endorsement

Date 8-6-90 19 90

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

1. Owner Commonwealth Edison Company Date 8-2-90
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 80, Braceville, IL 60407 MOD. M20-2-58-037 NWA# A31639
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by T. GN Venture Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME III 19 74 Edition, SUMMER '76 Addenda N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 5'83 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes/No)
ADAPTER BLOCK	WYLE LABORATORIES	N/A	N/A	PART#DB80512-1 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP	WYLE LABORATORIES	N/A	N/A	PART#DB80512-2 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP (MIRROR IMAGE)	WYLE LABORATORIES	N/A	N/A	PART#DB80512-3 MRR#24196	N/A	REPLACEMENT	NO
HEX HEAD CAP SCREWS	WYLE LABORATORIES	N/A	N/A	MRR#24196	N/A	REPLACEMENT	NO
THIRD STUDS AND HVY. HEX NUTS	WYLE LABORATORIES	N/A	N/A	MRR#24196	N/A	REPLACEMENT	NO

7. Description of Work INSTALL TEST MANIFOLDS ON STEAM GENERATOR SNUBBER 9N:16 EPN 2PC01BB-A.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure VT-3/4 psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks Reference RVR 20-2-90-611, attached, and Engin. Ltr. BPM 8902, #651
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed J. Francour, Asst Tech Staff Supervisor Date Aug. 2, 19 91
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the or Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins.

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-26-90 to 8-6-90 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. H. H. H. Commissioned Dec 10 1985
Inspector's Signature National Board, State, Province, and Endorser

Date 8-6- 19 90

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

1. Owner Commonwealth Edison Company Date 8-2-90
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit 2
R.R. #1, Box 84, Braceville, IL 60407 MOD M20-2-BB-037 NWR-A31640
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME III 19 74 Edition, SUMMER '76 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S'B3 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ADAPTER BLOCK	WYLE LABORATORIES	N/A	N/A	PART#D880512-1 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP	WYLE LABORATORIES	N/A	N/A	PART#D880512-2 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP (MIRROR IMAGE)	WYLE LABORATORIES	N/A	N/A	PART#D880512-3 MRR#24196	N/A	REPLACEMENT	NO
HEX HEAD CAP SCREWS	WYLE LABORATORIES	N/A	N/A	MRR#24196	N/A	REPLACEMENT	NO
THRD STUDS AND HVY. HEX NUTS	WYLE LABORATORIES	N/A	N/A	MRR#24196	N/A	REPLACEMENT	NO

7. Description of Work INSTALL TEST MANIFOLDS ON STEAM GENERATOR SNUBBER 4N:8 EPN 2RC01BB-B.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure VT-3/4 psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks Reference PVR 20-2-90-011, attached, and Engr. Ltr. NPM 8502, 8658
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed Roger Francour, Asst. Tech. Staff Supervisor Date Aug. 2, 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the or Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins.

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-26-90 to 6-6-90 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Francour Commission ILR 1085
Inspector's Signature National Board, State, Province, and Endorsement

Date 8-6- 19 90

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

1. Owner Commonwealth Edison Company Date 8-2-90
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Name Address
2. Plant Braidwood Nuclear Power Station Unit 2
R.R. #1, Box 84, Braceville, IL 60407 MOD. M2D-2-BB-037 NWR# A31641
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Authorization No. Not Applicable
Name Address Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME III 19 74 Edition, SUMMER '76 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 5'83 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ADAPTER BLOCK	WYLE LABORATORIES	N/A	N/A	PART#DB80512-1 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP	WYLE LABORATORIES	N/A	N/A	PART#DB80512-2 MRR#24263	N/A	REPLACEMENT	NO
OPERATION CAP (MIRROR IMAGE)	WYLE LABORATORIES	N/A	N/A	PART#DB80512-3 MRR#24263	N/A	REPLACEMENT	NO
HEX HEAD CAP SCREWS	WYLE LABORATORIES	N/A	N/A	MRR#24263	N/A	REPLACEMENT	NO
THRD STUDS AND HVY. HEX NUTS	WYLE LABORATORIES	N/A	N/A	MRR#24263	N/A	REPLACEMENT	NO

7. Description of Work INSTALL TEST MANIFOLDS ON STEAM GENERATOR SNUBBER S/W:3 EPN 2R001BC-A

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F
VT-3/4

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

FORM NIS-2 (Back)

9. Remarks Reference DVR 20-2-90-011, attached, and Engr. Ltr. BMA 502
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed J. Francisco, Asst. Tech. Staff Supervisor Date Aug. 2 19 92
Owner or Owner's Designee, Title

CERTIFICATE 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 Illinois and employed by Hartford Stm. Bldg. Insp. & Ins.

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-26-90 to 2-26-90 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Francisco Commissions IL-1085
Inspector's Signature National Board, State, Province, and Endorsement

Date 2-26-90 19 90

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

1. Owner Commonwealth Edison Company Date 8-2-90
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit 2
R.R. #1, Box 84, Braceville, IL 60407 MOD. M20-2-BB-037 NWR#A31642
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Authorization No. Not Applicable
Name Address Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME III 19 74 Edition, SUMMER '76 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S'B3 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ADAPTER BLOCK	WYLE LABORATORIES	N/A	N/A	PART#DB80512-1 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP	WYLE LABORATORIES	N/A	N/A	PART#DB80512-2 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP (MIRROR IMAGE)	WYLE LABORATORIES	N/A	N/A	PART#DB80512-3 MRR#24196	N/A	REPLACEMENT	NO
HEX HEAD CAP SCREWS	WYLE LABORATORIES	N/A	N/A	MRR#24196	N/A	REPLACEMENT	NO
THIRD STUDS AND HVY. HEX NUTS	WYLE LABORATORIES	N/A	N/A	MRR#24196	N/A	REPLACEMENT	NO

7. Description of Work INSTALL TEST MANIFOLDS ON STEAM GENERATOR SNUBBER S/N: 29 EPN 2AC01BC-B

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F
VT-3/4

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

FORM NIS-2 (Back)

9. Remarks Reference DWR 20-2-90-011, attached, and Engrin. Wt. Rpm #502, 9
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed J. Francour Asst Tech Staff Supervisor Date Aug 22 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the or Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins.
Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8-26-90 to 9-6-90 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Francour Commission 5-1085
Inspector's Signature National Board, State, Province, and Endorsement

Date 8-6- 19 90

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

1. Owner Commonwealth Edison Company Date 2-7-90
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit 2
R.R. #1, Box 84, Braceville, IL 62407 MOD M20-288-037 NWR#A36143
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Authorization No. Not Applicable
Name Address Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME III 19 74 Edition, SUMMER '76 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 5'83 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ADAPTER BLOCK	WYLE LABORATORIES	N/A	N/A	PART#DB80512-1 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP	WYLE LABORATORIES	N/A	N/A	PART#DB80512-2 MRR#24196	N/A	REPLACEMENT	NO
OPERATION CAP (MIRROR IMAGE)	WYLE LABORATORIES	N/A	N/A	PART#DB80512-3 MRR#24196	N/A	REPLACEMENT	NO
HEX HEAD CAP SCREWS	WYLE LABORATORIES	N/A	N/A	MRR#24196	N/A	REPLACEMENT	NO
THRD STUDS AND HVY. HEX NUTS	WYLE LABORATORIES	N/A	N/A	MRR#24196	N/A	REPLACEMENT	NO

7. Description of Work INSTALL TEST MANIFOLDS ON STEAM GENERATOR SNUBBER 3/4" 11 EPN 2RC01BD-A.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F
VT-3/4

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

FORM NIS-2 (Back)

9. Remarks: Reference: DNR 20-2-90-CU, attached, and Engr. Let. QPM # 502
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed J. Francisco Asst Tech Staff Supervisor Date Aug. 2 19 76
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the
or Province of Illinois and employed by Hartford Ste. Blr. Insp. & Ins.

Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-20-90 to 6-6-92, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. H. ... Commissioner 1985
Inspector's Signature National Board, State, Province, and Endorsement

Date 9-6- 1990

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

1. Owner Commonwealth Edison Company Date 2-7-90
One First National Plaza
Chicago, IL 60690 Sheet 1 of 2
Name Address
2. Plant Braidwood Nuclear Power Station Unit 2
R.R. #1, Box 84, Braceville, IL 60407 MOD M20-2-BB 037 NWR-A36144
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Authorization No. Not Applicable
Name Address Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME III 1974 Edition SUMMER 176 Addenda N A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 5'83 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CONTROL VALVE ASSY FROM STM GEN SNUBBER	BOEING COMPANY	30	N/A	EPN 2RC01BD-B	1979	REPLACED	YES
CONTROL VALVE ASSY FROM STM GEN SNUBBER	BOEING COMPANY	32	54	SPARE	1979	REPLACEMENT	YES
ADAPTER BLOCK	WYLE LABORATORIES	N/A	N/A	PART# DBB0512-1 MRR# 24196	N/A	REPLACEMENT	NO
OPERATION CAP	WYLE LABORATORIES	N/A	N/A	PART# DBB0512-2 MRR# 24196	N/A	REPLACEMENT	NO
OPERATION CAP (MIRROR IMAGE)	WYLE LABORATORIES	N/A	N/A	PART# DBB0512-3 MRR# 24196	N/A	REPLACEMENT	NO

7. Description of Work INSTALL CONTROL VALVE ASSEMBLY FROM SPARE STM GEN SNUBBER S/N 32 AND INSTALL ON S/N 30. INSTALL TEST MANIFOLD ON STEAM GENERATOR SNUBBER
S/N: 30 EPN 2RC01BD-B.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure VT-3/4 psi Test Temp. °F

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

SWAP 1600-5T3
Revision 0

FORM NIS-2 SUPPLEMENTAL SHEET

Sheet 2 of 2
Date _____
Unit 2

Unit 2
MOD. M20-288-037 NWR#A316144
P. O. No., WR No., etc.

Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
 Expiration Date Not Applicable

5b. Applicable Edition of Section XI utilized 19 83 Edition SUMMER '83 Addenda

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

6266P(090485)
1755A

(Final)

1

Reviewed: ALE

L. nucleata — 8-6-66

FORM NIS-2 (Back)

9. Remarks: See Attached NPV-1 and SFE/BWD let
2369-1 Dated November 28, 1988.
 Applicable Manufacturer's Data Report is to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable
 Certificate of Authorization No. Not Applicable Expiration Date Not Applicable
 Signed Ryan J. Mancini, ISS Group Leader Date June 1 19 90
 Owner or Owner's Designee, Title

CERTIFICATE 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 ILLINOIS and employed by HSTBI & I Co.
HARTFORD CT. have inspected the components described in this Owner's Report during the period 3-23-90 to 7-20-90 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in Owner's Report in accordance with the required rules of the ABAS Code, Section XI.

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

L. Mancini Commissioner ILP 1085
 Inspector's Signature National Board, State, Province, and Government
 Date 7-20- 19 90

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

1. Owner Commonwealth Edison Company Date 3-24-90
One First National Name Plaza
Chicago, IL 60690
 Address _____
 2. Plant Braidwood Nuclear Power Station Sheet 1 of 1
R.R. #1, Box 14 Name _____ Unit Unit 2
Braceville, IL 60407 Address _____ NUR# A39982
 Address _____ Repair Organization P.C. No., Job No., etc. _____
 3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp NOT APPLICABLE
Braidwood Nuclear Power Name Station Authorization No. NOT APPLICABLE
R.R. #1, Box 84 Expiration Date NOT APPLICABLE
Braceville, IL 60407 Address _____
 4. Identification of System RC / Reactor Coolant
 5. (a) Applicable Construction Code sect III class I, 1971 Edition, 4-72 Addenda _____ Code Case _____
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 53/583

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1 1/2" check valve</u>	<u>KEROTEST</u>	<u>PS3-24</u>	<u>#11776</u>	<u>ZRC B045C</u>	<u>N/A</u>	<u>REPLACED</u>	<u>Yes</u>
<u>1 1/2" check valve</u>	<u>Kerotest</u>	<u>XLZ1-10</u>	<u>#21667</u>	<u>N/A</u>	<u>1978</u>	<u>REPLACEMENT</u>	<u>Yes</u>

7. Description of Work Replaced Valve.

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure 2290 psi Test Temp. 557 °F

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

FORM NIS-2 (Back)

9. Remarks

See attached documentation.

*

Code Cases listed in Part 5.0. of this document
apply to construction and not to the work
this ASME Replacement.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Expiration Date

Not Applicable

Signed

Roger Spannum
Owner or Owner's Designee, Title

Date

July 12

19

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
or Province of Illinois and employed by Hartford Stm. Blr. Insp. & Ins.

Hartford, Connecticut

have inspected the components

in this Owner's Report during the period 3-5-92 to 7-17-92, and
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

E. H. H. H.
Inspector's Signature

Commissions

IL 1085

National Board, State, Province, and Endorser

Date

7-17-

19

92

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

1. Owner Commonwealth Edison Company
One First National Plaza
Chicago, IL 60690
Address

Date 5-2-90

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name
R.R. #1, Box 84, Braceville, IL 60407
Address

Unit 2

NWR# A29112 3, MAY 7-23-90
Repair Organization P.O. No., Job No., etc.

3. Work Performed by The GN Venture
Name
R.R. #1, Box 80, Braceville, IL 60407
Address

Type Code Symbol Stamp Not Applicable

Authorization No. Not Applicable

Expiration Date Not Applicable

4. Identification of System REACTOR COOLANT - RC

5. (a) Applicable Construction Code SECTION III 19 71 Edition, SUMMER '72 Addenda N-1649 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83 5'83 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" ISOLATION VALVE	COPE'S-VULCAN INC.	7310-95289-248-16	697	EPN# 2RC8037B	1976	PLUG REPLACED	YES
PLUG	COPE'S-VULCAN INC.	8221-96073-6-1	N/A	HT# 43450 PN 166210	1983	REPLACEMENT	NO

7. Description of Work REPLACE PLUG ON VALVE EPN# 2RC8037B.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 2290 psi Test Temp. 557 °F

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

FORM NIS 2 (Back)

9. Remarks _____

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

Signed L. Edwards Asst Supt.
Owner or Owner's Designee, Title

Date 3/4/1988

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the St. or Province of ILLINOIS and employed by HARTFORD STEAM BLR. INSP. & INS. CO.
HARTFORD, CT. have inspected the components described in this Owner's Report during the period _____ to 07 MARCH, 1988 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

William J. Caldwell
Inspector's Signature

Commissions ILL. #682

National Board, State, Province, and Endorsements

Date 07 March 1988

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

1. Owner Commonwealth Edison Company
One First National Name Plaza
Chicago, IL 60690

Date 9-15-87

Sheet 1 of 1

Address

2. Plant Braidwood Nuclear Power Station
R.R. #1, Box 84 Name
Braceville, IL 60407
Address

Unit 2

NWR A16016

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Mechanical Maintenance Dept.
Braidwood Nuclear Power Name Station
R.R. #1, Box 84
Braceville, IL 60407 Address

Type Code Symbol Stamp NOT APPLICABLE

Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

4. Identification of System RH

5. (a) Applicable Construction Code Section XI 19 71 Edition W 72 Addenda NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 77/78

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE, RELIEF	CROSSBY	N56904	N/A	2RH5708A	77	REPLACED	YES
VALVE, RELIEF	CROSSBY	N56904-00049	NA	JB-75-TQWR N56904-00049	78	REPLACED	YES

7. Description of Work INSTALL RELIEF VALVE OBTAINED FROM STORE (MARBLEHILL)

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 350 psi Test Temp. N/A °F

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

FORM NIS 2 (Back)

9. Remarks

SEE ATTACHED DOCUMENTATION

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed John Mancini ISF Group Leader Date FEB 13 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by HARTFORD STEAM BLR. INSP. & MAINT. CO.
HARTFORD, CT.

have inspected the components described in this Owner's Report during the period to 13 FEBRUARY 1990, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

William J. Caldwell
Inspector's Signature

Commissions ILL. # 682
National Board, State, Province, and Endorsement

Date 13 February 19 90

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

1. Owner Commonwealth Edison Company
One First National Name Plaza
Chicago, IL 60690

Date 5-7-88

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
R.R. #1, Box 84 Name
Braceville, IL 60407 Address

Unit 2

NWRA2191B
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Mechanical Maintenance Dept.
Braidwood Nuclear Power Name Station
R.R. #1, Box 84
Braceville, IL 60407 Address

Type Code Symbol Stamp NOT APPLICABLE

Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

4. Identification of System Residual Heat Removal System / RH

5. (a) Applicable Construction Code Class II 19 71 Edition, W72 Addenda, — Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 77/878

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RELIEF VALVE	CROSBY	NS6904-00-0051	N/A	2RN870BB	'77	REPAIRED	YES
RELIEF VALVE	CROSBY	NS6904-00-0032	N/A	N/A	'77	REPLACEMENT	YES

7. Description of Work Replaced Valve 2RN870BB

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure 465 PSI Test Temp. 79.8 °F Bench Test of Relief Valve.
155 2-8-90

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

FORM NIS-2 (Back)

9. Remarks

SEE ATTACHED DOCUMENTATION

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed J. Franceman, ISI Group Leader Date May 7
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors or Province of Illinois and employed by H.B.I. & I. Co.

HARTFORD CT have inspected the component in this Owner's Report during the period 3-22-90 to 6-20-90, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Franceman Commissions IL # 1085
Inspector's Signature National Board, State, Province, and Endor

Date 6-20-90 1990

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

1. Owner Commonwealth Edison Co.
Name
One First National Plaza
Chicago, IL 60690
Address
2. Plant Braidwood Nuclear Power Station
Name
R. R. #1, Box 84, Braceville IL 60407
Address
3. Work Performed by QV Venture
Name
R. R. #1, Box 84, Braceville IL 60407
Address

Date 3-22-90
Sheet 1 of 1
Unit II
NWR # A36619
Repair Organization P.O. No., Job No., etc.
Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System 2 RH - Residual Heat Removal
5. (a) Applicable Construction Code ASME III 19 74 Edition S-74 Addenda None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, SB3

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SIZE 10 SNUBBER</u>	<u>P.S.A.</u>	<u>6357</u>	<u>N/A</u>	<u>2RH02009</u>	<u>'79</u>	<u>REPAIRED</u>	<u>Yes</u>
<u>SIZE 10 SNUBBER</u>	<u>P.S.A.</u>	<u>12066</u>	<u>N/A</u>	<u>1R705010</u>	<u>'81</u>	<u>REPAIRED</u>	<u>Yes</u>

7. Description of Work SNUBBER REPLACEMENT

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F VT 3/4

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

FORM NIS-2 (Back)

9. Remarks

See attached N-2 forms

Applicable Manufacturer's Data Reports to be attached

These parts are not physically stamped but they are of the ASME Stamped valves.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Expiration Date

Not Applicable

Signed

John J. Brennan, ISS Group Leader
Owner or Owner's Designee, Title

Date

June 29

19 90

CERTIFICATE 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 Illinois and employed by HSCB, Inc.

HSCB, Inc. have inspected the components described in this Owner's Report during the period 10-27-89 to 7-3-90 and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Brennan
Inspector's Signature

Commissioner

ILN 1085

National Board, State, Province, and Endorsement

Date

7-3-

19 90

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

1. Owner Commonwealth Edison Company
One First National Name Plaza
Chicago, IL 60690

Date 10/16/89

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
R.R. #1, Box 84 Name
Braceville, IL 60407 Address

Unit TWO
R#A34494

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Mechanical Maintenance Dept.
Braidwood Nuclear Power Name Station
R.R. #1, Box 84
Braceville, IL 60407 Address

Type Code Symbol Stamp NOT APPLICABLE

Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

4. Identification of System RY - Pressurizer

5. (a) Applicable Construction Code ASME SEC III CLASS 1 19 71 Edition, 572 Addenda NONE Code Class
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 63/587

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
TRIM SET	Copps Vulcan	7316-95887-804-1	N/A	N/A	71512	Replaced	No *
TRIM SET	Copps Vulcan	8921-96500-1-1	N/A	N/A	71512	Replacement	No *

7. Description of Work Replaced Trim set

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☒ Pressure 2290 psi Test Temp. 557 °F

* See "Remarks" section 9. on the back.

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

FORM NIS-2 (Back)

9. Remarks

See attached documentation

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Redemption conforms to the rules of 1
ABSA Code, Section II.

Type Code Symbol Stamp

Not applicable

Certificate of Authorization No.

Not applicable

Expiration Date

Not applicable

Signed

John Hancock, ISF Group Leader

Date

June 29, 19 90

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the 1
or Province of ILLINOIS and employed by HSBI-IL

HARTFORD CT.

have inspected the components described in this Owner's Report during the period 10-26-89 to 7-3-90 and note

to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in Owner's Report in accordance with the requirements of the ABSA Code, Section II.

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

I Hancock

Inspector's Signature

Commission

IL-1085

National Board, State, Province, and Endorsements

Date

7-3-

19 90

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

1. Owner Commonwealth Edison Company
One First National Name Plaza
Chicago, IL 60690

Date 10/16/89

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
R.R. #1, Box 84 Name
Braceville, IL 60407 Address

Unit Two

NWR # A34495

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Mechanical Maintenance Dept.
Braidwood Nuclear Power Name Station
R.R. #1, Box 84
Braceville, IL 60407 Address

Type Code Symbol Stamp NOT APPLICABLE

Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

4. Identification of System RY - Pressurizer

ASME SECT. III

5. (a) Applicable Construction Code CLASS 1 19 71 Edition, 572

Addenda NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 / 583

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Trim Set	Copes Vulkan	8951- 96200-1-3	N/A	ST.#793ED5	1990	Replacement	Yes
Trim SET	Copes Vulkan	VIV INTERNAL 007810- 95589- 304-2	PLUG 1510M CAGE	-	N/A	Replaced	No

7. Description of Work REPLACE TRIM SET

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 2290 psi Test Temp. 557 °F VT-2

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

FORM NIS-2 (Back)

9. Remarks See attached documentation
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed John J. Francour, ISI Group Leader Date June 29
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors or Province of Illinois and employed by ASBZ, Inc.
HARTFORD CT have inspected the component in this Owner's Report during the period 3-13-90 to 7-3-90
 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Francour Commission IL 1085
 Inspector's Signature National Board, State, Province, and E

Date 7-3- 1990

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

1. Owner Commonwealth Edison Co.
Name

Date 3-13-90

One First National Plaza

Sheet 1 of 1

Chicago, IL Address 60690

2. Plant Braidwood Nuclear Power Station
Name

Unit II

R. R. #1, Box 84, Braceville IL 60407
Address

MOD # M20-2-89-012-016734
NVR A37574

Repair Organization P.O. No., Job No., etc.

3. Work Performed by CV Venture
Name

Type Code Symbol Stamp Not Applicable

R. R. #1, Box 84, Braceville IL 60407
Address

Authorization No. Not Applicable

Expiration Date Not Applicable

4. Identification of System 2SD03

5. (a) Applicable Construction Code ASME III 19 74 Edition S-74 Addenda None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983.583

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/4" SNUBBER</u>	<u>P.S.A.</u>	<u>3993</u>	<u>N/A</u>	<u>2SD03006</u>	<u>N/A</u>	<u>REPLACED</u>	<u>Yes</u>
<u>211 STRUT</u>	<u>GRINNELL</u>	<u>N/A</u>	<u>N/A</u>	<u>IRC 12059</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>No</u>

7. Description of Work SNUBBER BEING REPLACED X STRUT

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

VT-314

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

FORM NIS-2 (Back)

9. Remarks

SEE FORM N-3 CODE DATA REPORT 2CSD-1H

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed John J. Spangola, ISS Group Leader Date June 28 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Hartford Stm. Bldg. Insp. & Ins. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-13-90 to 7-3-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. L. L. L. Commissions ILN 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-3- 19 90

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

1. Owner Commonwealth Edison Company
One First National Plaza
Chicago, IL 60690
Address

Date 5-02-90

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name
R.R. #1, Box 84, Braceville, IL 60407
Address

Unit 2

MOD M20-2-B9-C12 NWR#A37574
Repair Organization P.O. No., Job No., etc.

3. Work Performed by The GN Venture
Name
R.R. #1, Box 80, Braceville, IL 60407
Address

Type Code Symbol Stamp Not Applicable

Authorization No. Not Applicable

Expiration Date Not Applicable

4. Identification of System STEAM GENERATOR BLOWDOWN (SD)

5. (a) Applicable Construction Code SECTION III, 1974 Edition, 5'75 Addenda, NONE Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 5B3 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
25D02003G	PHILLIPS GETSCHOW	2CSD-3H	N/A	SUB-SYSTEM 25D02	1987	REWORKED	NO YES 6-10-90
5/8" x 2" FIG 685N U-BOLT	ELCEN METAL PRODUCTS CO	N/A	N/A	MRR# 16747	N/A	REPLACEMENT	NO
* 2 1/2" x 2 1/2" x 3/8" Angle 1' L	N/A	HT# V8-1240	N/A	MRR 24033	1990	Replacement	NO
* 5" x 3" x 3/8" Tube Steel 5' 6" L.	N/A	HT# T04906	N/A	MRR 19656	1990	Replacement	NO
* 4" x 6" x 1/4" PLATE	N/A	HT# 18372	N/A	MRR 18956	1990	Replacement	NO

7. Description of Work SUPPORT REWORKED

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure N/A psi Test Temp. N/A °F
VT-3/4

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

* These are not ASME Code parts.

FORM NIS-2 (Back)

9. Remarks See attached C of C

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed John J. Mancini, ISE Group Leader Date June 28, 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INTERSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by HOBAS-1 CO of HARTFORD CT. have inspected the components described in this Owner's Report during the period 2-13-90 to 7-3-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Mancini Commissioner IL-1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-5, 19 90

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

1. Owner Commonwealth Edison Company
One First National Home Plaza
Chicago, IL 60690

Date 4-9-90

Sheet 1 of 1 FORM 6-8-90

2. Plant Braidwood Nuclear Power Station
R.R. #1, Box 84
Braceville, IL 60407

Unit II

MOD M20 289012 INR* A37574

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Mechanical Maintenance Dept.
Braidwood Nuclear Power Station
R.R. #1, Box 84
Braceville, IL 60407

Type Code Symbol Stamp NOT APPLICABLE

Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

4. Identification of System 2 S.D.

5. (a) Applicable Construction Code ASME III 19 7A Edition, S-75 Addenda N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 - 563 ADD.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SIZE 1/4</u> <u>SNUBBER</u>	<u>P.S.A.</u>	<u>3786</u>	<u>N/A</u>	<u>2SD03027</u>	<u>77</u>	<u>REPLACED</u>	<u>YES</u>
<u>SIZE A</u> <u>STRUT</u>	<u>GRINNELL</u>	<u>N/A</u>	<u>N/A</u>	<u>2FW18005</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>YES</u>

7. Description of Work SNUBBER / STRUT REPLACEMENT

8. Tests Conducted: Hydraulic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure N/A ps Test Temp. N/A °F VI-3A

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

FORM NIS-2 (Back)

9. Remarks See Form N-5 Code Data Report S/N 2SD-1

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed John J. Gramann, ISI Group Leader Date June 28 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by ASB-I, Inc. of Rockford, CT have inspected the components described in this Owner's Report during the period 3-13-90 to 7-3-90, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Gramann Commissions IL-1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-3 19 90

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

1. Owner Commonwealth Edison Co.
Name
One First National Plaza
Chicago, IL Address 60690

2. Plant Braidwood Nuclear Power Station
Name
R. R. #1, Box 84, Braceville IL 60407
Address

3. Work Performed by CV Venture
Name
R. R. #1, Box 84, Braceville IL 60407
Address

Date 3-13-90

Sheet 1 of 1

Unit II
MUD # M20-2-B4-012-002
NWR A37574
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System 2SD01

5. (a) Applicable Construction Code ASME III 19 74 Edition S-75 Addenda None Code Case N-41
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 583

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPOOL # 2552C-201-1	PHILLIPS, GETSCHOW CO	N/A	N/A	LINE # 2SD01CB-2"	N/A	REPLACED	NO
SPOOL # 2552C-201-1	COMMONWEALTH EDISON	N/A	N/A	HT # M742 MRX # 1229	N/A	REPLACEMENT	NO
SPOOL # 2552C-201-1	COMMONWEALTH EDISON	N/A	N/A	HT # 29190 MRX # 16321	N/A	REPLACEMENT	NO

7. Description of Work

PIPE 2SD01CB-2" REROUTED

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure N.O.P. psi Test Temp. N.O.T. °F
VT-2 per Code Case N-416

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

FORM NIS-2 (Back)

9. Remarks See attached documentation
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Roger J. Mancini, ISI Group Leader Date June 28 19 90
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by HSPB - I C of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 3-13-92 to 7-3-92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Mancini Commissions IL # 1055
 Inspector's Signature National Board, State, Province, and Endorsements

Date 7-3- 19 90

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

1. Owner Commonwealth Edison Co.
Name
One First National Plaza
Chicago, IL Address 60690

2. Plant Braidwood Nuclear Power Station
Name
R. R. #1, Box 84, Braceville IL 60407
Address

3. Work Performed by CV Venture
Name
R. R. #1, Box 84, Braceville IL 60407
Address

Date 3-13-70

Sheet 1 of 1

Unit II
MOD# M20-2-89-a2-0026740
NWR A37574
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System 2SD03

5. (a) Applicable Construction Code ASME III 1974 Edition, S-74 Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1982, SB3

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Series No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/2 SNUBBER</u>	<u>P.S.A.</u>	<u>12030</u>	<u>N/A</u>	<u>2SD03017</u>	<u>N/A</u>	<u>REPLACED</u>	<u>YES</u>
<u>211 STRUT</u>	<u>GRINNELL</u>	<u>N/A</u>	<u>N/A</u>	<u>1C428006</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>END BOSS</u>	<u>GRINNELL</u>	<u>N/A</u>	<u>N/A</u>	<u>MRR 15657</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work SNUBBER REPLACED x STRUT

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure N/A psi Test Temp. N/A °F
VT-3/4

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

FORM NIS-2 (Back)

Remarks SEE FORM N-5 CODE DATA REPORT S/N 2SD-1

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed John J. [Signature] ISI Group Leader Date JUNE 28 19 90
Inspector or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Hartford Stm. Blr. Insp. & Ins. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-13-90 to 7-3-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions ILA 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-3- 19 90

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

1. Owner Commonwealth Edison Company Date 3-13-90
One First National Plaza
Chicago, IL 60690 Sheet 1 of 1
Name Address
2. Plant Braidwood Nuclear Power Station Unit II
R.R. #1, Box 84, Braceville, IL 60407 MOD. # M20-2-89-012
Name Address NWR # A37574
Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
R.R. #1, Box 80, Braceville, IL 60407 Authorization No. Not Applicable
Name Address Expiration Date Not Applicable
4. Identification of System STEAM GENERATOR BLOWDOWN (SD)
5. (a) Applicable Construction Code SECTION III 1974 Edition, 5/75 Addenda, N/A ²⁻²⁸⁻⁹⁰ Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 5/83 CODE CASE N-416
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPOOL # 2552C-255-1	PHILLIPS, GETSCHOV CO.	N/A	N/A	LINE # 25DOICC-2"	N/A	REPLACED	No
SPOOL # 2552C-255-1	COMMONWEALTH EDISON	N/A	N/A	HT#-M742 MRR#-1229	N/A	REPLACEMENT	No
SPOOL # 2552C-255-1	COMMONWEALTH EDISON	N/A	N/A	HT#-M376 MRR#-1229	N/A	REPLACEMENT	No
SPOOL # 2552C-255-1	COMMONWEALTH EDISON	N/A	N/A	HT#-29190 MRR#-16321	N/A	REPLACEMENT	No

7. Description of Work PIPE 25DOICC-2" REROUTED
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure N.O.P. psi Test Temp. N.O.T. °F
VT-2 per Code Case N-416

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

FORM NIS-2 (Back)

9. Remarks SEE FORM N-5 CODE DATA REPORT S/N 2SD-1

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Roger Francour ISS Group Leader Date 6-28- 19 90
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Hartford Stm. Blr. Insp. & Ins. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-13-90 to 7-3-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

I. Macdonald Commissions IL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-3- 19 90

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

1. Owner Commonwealth Edison Company
One First National Plaza
Chicago, IL 60690
Address

Date 3-13-90

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name
R.R. #1, Box 84, Braceville, IL 60407
Address

Unit II
M20-2-89-012

NWRE A37574
Repair Organization P.O. No., Job No., etc.

3. Work Performed by GN Venture
Name
R.R. #1, Box 80, Braceville, IL 60407
Address

Type Code Symbol Stamp Not Applicable

Authorization No. Not Applicable

Expiration Date Not Applicable

4. Identification of System STEAM GENERATOR BLOWDOWN (SD)

5. (a) Applicable Construction Code SECTION III 1974 Edition, 5/75 Addenda, 9-78 6-88-90 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 5/83 CODE CASE N-416

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPOOL# 2552C-207-1	PHILLIPS, GETSCHOW CO.	N/A	N/A	LINE# 2SDOICD-2"	N/A	REPAIRED	No
SPOOL# 2552C-207-1	COMMONWEALTH EDISON	N/A	N/A	HT#M742 MRR#-1229	N/A	REPLACEMENT	No
SPOOL# 2552C-207-1	COMMONWEALTH EDISON	N/A	N/A	HT#-29190 MRR#-16321	N/A	REPLACEMENT	No

7. Description of Work PIPE 2SDOICD-2" REROUTED

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure N.O.P. psi Test Temp. N.O.T. °F
VT-2 per Code Case N-416

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

FORM NIS-2 (Back)

9. Remarks See Form N-5 Code Data Report S/N 2SD-1

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Roger Francom, ISS Group Leader Date 6-28 19 90
Owner or Owner's Designee, Title

CERTIFICATE 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 Illinois and employed by HSBI-IC of ITRD, CT.

have inspected the components described in the Owner's Report during the period 5-13-90 to 7-3-90, and state that

to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions IL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-3- 19 90

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

1. Owner Commonwealth Edison Co.
Name
One First National Plaza
Chicago, IL Address 60690

2. Plant Braidwood Nuclear Power Station
Name
Box 84, Braceville IL 60407
Address

3. Work Performed by GN Venture
Name
R. R. #1, Box 84, Braceville IL 60407
Address

Date 3-13-90

Sheet 1 of 1

Unit 2
MOD # M20-2-89-012-001
NWB A37574
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System 2SD01

5. (a) Applicable Construction Code ASME III 19 74 Edition, S 75 Addenda, None Code Case N-416
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPOOL # <u>2552C-203-1</u>	<u>PHILLIPS, GETSCHOW CO.</u>	<u>N/A</u>	<u>N/A</u>	<u>LINE # 2SD01CA-2"</u>	<u>N/A</u>	<u>REPLACED</u>	<u>NO</u>
SPOOL # <u>2552C-203-1</u>	<u>COMMONWEALTH EDISON</u>	<u>N/A</u>	<u>N/A</u>	<u>HT # 29190</u> <u>MRR # 16321</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
SPOOL # <u>2552C-203-1</u>	<u>COMMONWEALTH EDISON</u>	<u>N/A</u>	<u>N/A</u>	<u>HT # M742</u> <u>MRR # 1229</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work 2SD01CA-2" REROUTE

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

YT-2 per Code Case N-416

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

FORM NIS-2 (Back)

9. Remarks SEE FORM N-5 CODE DATA REPORT 2SD-1

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed John Francini, I-I Group Leader Date 6-28, 1990
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
or Province of Illinois and employed by Hartford Stm. Blr. Insp. & Ins.

Hartford, Connecticut have inspected the components
in this Owner's Report during the period 3-13-90 to 7-3-90 and
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

L. Francini Commissions IL# 1085
Inspector's Signature National Board, State, Province, and Endorse

Date 7-3- 1990

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

1. Owner Commonwealth Edison Company
One First National Plaza
Chicago, IL 60690
Address

Date 4-30-90

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name
R.R. #1, Box 84, Braceville, IL 60407
Address

Unit II

MOD. M20-2-B9-032 / NWR# A37574
Repair Organization P.O. No., Job No., etc.

3. Work Performed by The GN Venture
Name
R.R. #1, Box 80, Braceville, IL 60407
Address

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System STEAM GENERATOR BLOWDOWN (SD)

5. (a) Applicable Construction Code SECTION III 19 74 Edition, S'75 Addenda, 1-2-4-5-6-7-8-9-10-11-12 Code Case N-416
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 SB3 ADDENDA 718 6-8-90

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPOOL# 2552C-239-1	PHILLIPS, GETSCHOW	2SD-1	N/A	LINE# 2SD01CA-2"	1987	REPLACED	YES
SPOOL# 2552C-239-1	COMMONWEALTH EDISON	N/A	N/A	HT# M742 MRR# 1229	N/A	REPLACEMENT	NO

7. Description of Work REROUTE LINE# 2SD01CA-2"

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure N.R.P. psi Test Temp. N.O.T. °F
VT-2 per Code Case N-416

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

FORM NIS-2 (Back)

9. Remarks See attached documentation
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed James J. Brennan, ISI Group Leader Date June 28
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors or Province of ILLINOIS and employed by H&B I. Co.
HARTFORD, CT. have inspected the component in this Owner's Report during the period 3-13-90 to 7-3-90, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

I. Brennan
Inspector's Signature

Commissions IL 1085
National Board, State, Province, and End

Date 7-3- 19 90

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

1. Owner Commonwealth Edison Co.
Name
One First National Plaza
Chicago, IL Address 60690

2. Plant Braidwood Nuclear Power Station
Name
R. R. #1, Box 84, Braceville IL 60407
Address

3. Work Performed by GV Venture
Name
R. R. #1, Box 84, Braceville IL 60407
Address

4. Identification of System 2SD03

Date 3-13-90

Sheet 1 of 1

Unit II
MOD # M20-2-B9-012-016
NWR A37574
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

5. (a) Applicable Construction Code ASME III 19 74 Edition, S-74 Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1981, SB3

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/4 SNUBBER</u>	<u>P.S.A.</u>	<u>12800</u>	<u>N/A</u>	<u>2SD03002</u>	<u>N/A</u>	<u>REPLACED</u>	<u>Yes</u>
<u>211 STRUT</u>	<u>GRINNELL</u>	<u>N/A</u>	<u>N/A</u>	<u>KCC 33003</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>No</u>
<u>END BOSS</u>	<u>GRINNELL</u>	<u>N/A</u>	<u>N/A</u>	<u>MRR 21246</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>No</u>
<u>REAR BLKT.</u>	<u>GRINNELL</u>	<u>N/A</u>	<u>N/A</u>	<u>SRR 21246</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>No</u>

7. Description of Work SNUBBER BEING REPLACED x STRUT

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure N/A psi Test Temp. N/A °F
VT-314

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

FORM NIS-2 (Back)

9. Remarks See Attached Documentation
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed R. J. Jaraman, ISI Group Leader Date May 7 19 90
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by H.S.B. I. & I Co of HARTFORD CT. have inspected the components described in this Owner's Report during the period 3-20-90 to 6-20-90 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. MacLellan Commissions ILB 1085
 Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20 19 90

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

1. Owner Commonwealth Edison Co. Date 3-20-90
Name
One First National Plaza
Chicago, IL Address 60690 Sheet 1 of 1
 2. Plant Braidwood Nuclear Power Station Unit II
Name
R. R. #1, Box 84, Braceville IL 60407 Address
 3. Work Performed by QV Venture Name NWP # 36341
R. R. #1, Box 84, Braceville IL 60407 Address Repair Organization P.O. No., Job No., etc.
 4. Identification of System 2 S.D. - Steam Generator Blowdown Type Code Symbol Stamp Not Applicable
 5. (a) Applicable Construction Code ASME III 19 74 Edition, S-74 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, SB3 Authorization No. Not Applicable
 Expiration Date Not Applicable

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>5/21 1/4 SNUBBER</u>	<u>P.S.A.</u>	<u>3012</u>	<u>N/A</u>	<u>2SD06051</u>	<u>79</u>	<u>REPAIRED</u>	<u>Yes</u>
<u>5/21 1/4 SNUBBER</u>	<u>P.S.A.</u>	<u>2732</u>	<u>N/A</u>	<u>1SD02011</u>	<u>77</u>	<u>REPLACED</u>	<u>Yes</u>

7. Description of Work

SNUBBER REPLACEMENT

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F
VT-3/4

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

FORM NIS-2 (Back)

9. Remarks _____

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed John Francour, ISI Group Leader Date May 1 1990
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and or Province of ILLINOIS and employed by HARTFORD STEAM BOILER INSP. YENS HARTFORD, CT. have inspected the components in this Owner's Report during the period to 01 MAY, 1990 and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

William J. Caldwell Commissions ILL. # 682
Inspector's Signature National Board, State, Province, and Endorsing

Date 01 May 1990

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

1. Owner Commonwealth Edison Co. Date 4-30-90
Name
One First National Plaza
Chicago, IL Address 60690
2. Plant Braidwood Nuclear Power Station Sheet 1 of 2
Name Dec 4-30-90
R. R. #1, Box 84, Braceville IL 60407 Unit 2
Address M20-2-89-012
Repair Organization P.O. No., Job No., etc.
3. Work Performed by GN Venture Type Code Symbol Stamp Not Applicable
Name R. R. #1, Box 84, Braceville IL 60407 Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System ZSD01, ZSD02, ZSD03, ZSD0
5. (a) Applicable Construction Code ASME III 1974 Edition S74 Addenda None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SNUBBER ZSD01003S</u>	<u>PACIFIC SCIENTIFIC</u>	<u>8080</u>	<u>N/A</u>	<u>PSA-.5</u>	<u>N/A</u>	<u>DELETED</u>	<u>YES</u>
<u>SNUBBER ZSD01005S</u>	<u>PACIFIC SCIENTIFIC</u>	<u>6492</u>	<u>N/A</u>	<u>PSA-.25</u>	<u>N/A</u>	<u>DELETED</u>	<u>YES</u>
<u>SNUBBER ZSD02004S</u>	<u>PACIFIC SCIENTIFIC</u>	<u>14514</u>	<u>N/A</u>	<u>PSA-1</u>	<u>N/A</u>	<u>DELETED</u>	<u>YES</u>
<u>SNUBBER ZSD03003S</u>	<u>PACIFIC SCIENTIFIC</u>	<u>7277</u>	<u>N/A</u>	<u>PSA-.25</u>	<u>N/A</u>	<u>DELETED</u>	<u>YES</u>
<u>SNUBBER ZSD03008S</u>	<u>PACIFIC SCIENTIFIC</u>	<u>7498</u>	<u>N/A</u>	<u>PSA-.25</u>	<u>N/A</u>	<u>DELETED</u>	<u>YES</u>

7. Description of Work SUPPORTS DELETED
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F

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

SEP 23 1985

BwAP 1600-513
Revision 0BRAIDWOOD
ON-SITE REVIEW

FORM NIS-2 SUPPLEMENTAL SHEET

1. Owner: Commonwealth Edison Company
One First National Plaza
Chicago, Illinois 60690
Sheet 2 of 2
Date 4-30-90
Unit # 2
2. Plant: Braidwood Nuclear Power Station Unit ONE TWO
R. R. #1, Box 84
Braceville, Illinois 60407
M 20-2-89-012
P. O. No., WR No., etc.
3. Work Performed by: G N Venture
Name
R. R. #1, Box 84, Braceville, IL 60407
Address
Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable
4. Identification of System 2SD01, 2SD02, 2SD03, 2SD04
- 5a. Applicable Construction Code ASME III 19 74 Edition S '74 Addenda
Code Cases None
- 5b. Applicable Edition of Section XI utilized, 19 83 Edition S '83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamp (Yes or No)
03013S RUBBER	PACIFIC SCIENTIFIC	29613	N/A	PSA -.25	N/A	DELETED	YES
03016S RUBBER	PACIFIC SCIENTIFIC	14605	N/A	PSA -.25	N/A	DELETED	YES
03020S RUBBER	PACIFIC SCIENTIFIC	4647	N/A	PSA -.25	N/A	DELETED	YES
03026S RUBBER	PACIFIC SCIENTIFIC	22592	N/A	PSA -.25	N/A	DELETED	YES
04002S RUBBER	PACIFIC SCIENTIFIC	7030	N/A	PSA -.25	N/A	DELETED	YES
04004S RUBBER	PACIFIC SCIENTIFIC	7033	N/A	PSA -.25	N/A	DELETED	YES
04002S RUBBER	PACIFIC SCIENTIFIC	10256	N/A	PSA -.25	N/A	DELETED	YES

FORM NIS-2 (Back)

2. Remarks _____

Applicable Manufacturer's Data Report is to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Roger J. Shannahan, ISI Group Leader Date May 1 1990
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and or Province of ILLINOIS and employed by HARTFORD STEAM BOILER, FNSP YJAS (HARTFORD, CT.) have inspected the component in this Owner's Report during the period 01 MAY, 1990 and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

William J. Caldwell
Inspector's Signature

Commissions ILL.#682
National Board, State, Province, and Endor

Date 01 May 1990

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

1. Owner Commonwealth Edison Co. Date 4-30-90
Name
One First National Plaza
Chicago, IL 60690 Sheet 1 of 5
Address
2. Plant Braidwood Nuclear Power Station Unit Two
Name
R. R. #1, Box 84, Braceville IL 60407 Repair Organization P.O. No., Job No., etc. ASME 1226-2-89-027
Address
3. Work Performed by GN Venture Type Code Symbol Stamp Not Applicable
Name
R. R. #1, Box 84, Braceville IL 60407 Authorization No. Not Applicable
Address
Expiration Date Not Applicable
4. Identification of System ZCV09, ZCV11, ZCV15, ZCV25,
5. (a) Applicable Construction Code ASME III, 1974 Edition, 574 Addenda None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 583

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ZCV090055 SNUBBER	PACIFIC SCIENTIFIC	8079	N/A	PSA-.5	N/A	DELETED	YES
ZCV090065 SNUBBER	PACIFIC SCIENTIFIC	8865	N/A	PSA-.5	N/A	DELETED	YES
ZCV090075 SNUBBER	PACIFIC SCIENTIFIC	12027	N/A	PSA-.5	N/A	DELETED	YES
ZCV090385 SNUBBER	PACIFIC SCIENTIFIC	2033	N/A	PSA-1	N/A	DELETED	YES
ZCV090465 SNUBBER	PACIFIC SCIENTIFIC	19657	N/A	PSA-.25	N/A	DELETED	YES

7. Description of Work SUPPORTS DELETED

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

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

SEP 23 1985

BWAP 1500-5.1
Revision 0BRAIDWOOD
ON-SITE REVIEW

FORM NIS-2 SUPPLEMENTAL SHEET

1. Owner: Commonwealth Edison Company Sheet 2 of 5
One First National Plaza Date 4-30-90
Chicago, Illinois 60690 Unit 1-2-4-30-90 TWO

2. Plant: Braidwood Nuclear Power Station Unit 4-30-90 TWO
R. R. #1, Box 84
Braceville, Illinois 60407
M20-3-89-027
P. O. No., WR No., etc.

3. Work Performed by: G N Venture Type Code Symbol Stamp Not Applicable
Name
R. R. #1, Box 84, Braceville, IL 60407 Authorization No. Not Applicable
Address Expiration Date Not Applicable

4. Identification of System 2CV09, 2CV11, 2CV15, 2CV25,

5a. Applicable Construction Code ASME I 19 74 Edition S '74 Addenda
Code Cases None

5b. Applicable Edition of Section XII utilized, 19 83 Edition S '83 Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ACME Code Stamp (Yes or No)
109049S JUBBER	PACIFIC SCIENTIFIC	9755	N/A	PSA-.1	N/A	DELETED	YES
109050S JUBBER	PACIFIC SCIENTIFIC	8870	N/A	PSA-.5	N/A	DELETED	YES
109053S JUBBER	PACIFIC SCIENTIFIC	8614	N/A	PSA-.5	N/A	DELETED	YES
09054S JUBBER	PACIFIC SCIENTIFIC	13854	N/A	PSA-.5	N/A	DELETED	YES
09059C TWT SUPPORT	GRINNELL	GRINNELL <u>4-30-90 N/A</u>	N/A	N/A	N/A	DELETED	YES
09062S JUBBER	PACIFIC SCIENTIFIC	3293	N/A	PSA-.25	N/A	DELETED	YES
109057S JUBBER	PACIFIC SCIENTIFIC	14659	N/A	PSA-.25	N/A	DELETED	YES
111007S JUBBER	PACIFIC SCIENTIFIC	2673	N/A	PSA-.25	N/A	DELETED	YES
111009S JUBBER	PACIFIC SCIENTIFIC	2687	N/A	PSA-.25	N/A	DELETED	YES
111010S JUBBER	PACIFIC SCIENTIFIC	9467	N/A	PSA-.25	N/A	DELETED	YES
111011S JUBBER	PACIFIC SCIENTIFIC	10355	N/A	PSA-.25	N/A	DELETED	YES

SEP 23 1985

RWAP 1600-513
Revision 0BRAIDWOOD
ON-SITE REVIEW

FORM NIS-2 SUPPLEMENTAL SHEET

1. Owner: Commonwealth Edison Company
One First National Plaza
Chicago, Illinois 60690
Sheet 3 of 5
Date 4.30.90
Unit 2nd 4.30.90 TWO
2. Plant: Braidwood Nuclear Power Station Unit ONE 4.30.90 TWO
R. R. #1, Box 84
Braceville, Illinois 60407
M20-2-89-027
P. O. No., WR No., etc.
3. Work Performed by G N Venture
Name
R. R. #1, Box 84, Braceville, IL 60407
Address
Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable
4. Identification of System 2CV09, 2CV11, 2CV15, 2CV25,
- 5a. Applicable Construction Code ASME III 19 74 Edition S '74 Addenda
Code Cases None
- 5b. Applicable Edition of Section XI utilized, 19 83 Edition S '83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No)
1110158	PACIFIC						
NUMBER	SCIENTIFIC	10428	N/A	PSA-1	N/A	DELETED	YES
1110248	PACIFIC						
NUMBER	SCIENTIFIC	10416	N/A	PSA-1	N/A	DELETED	YES
1110758	PACIFIC						
NUMBER	SCIENTIFIC	9857	N/A	PSA-.50	N/A	DELETED	YES
1150028	PACIFIC						
NUMBER	SCIENTIFIC	24007	N/A	PSA-.25	N/A	DELETED	YES
1150068	PACIFIC						
NUMBER	SCIENTIFIC	23221	N/A	PSA-.25	N/A	DELETED	YES
1150138	PACIFIC						
NUMBER	SCIENTIFIC	2624	N/A	PSA-.25	N/A	DELETED	YES
1150208	PACIFIC						
NUMBER	SCIENTIFIC	29095	N/A	PSA-.25	N/A	DELETED	YES
1150238	PACIFIC						
NUMBER	SCIENTIFIC	2616	N/A	PSA-.25	N/A	DELETED	YES
1150308	PACIFIC						
NUMBER	SCIENTIFIC	14651	N/A	PSA-.25	N/A	DELETED	YES
1150328	PACIFIC						
NUMBER	SCIENTIFIC	21593	N/A	PSA-1	N/A	DELETED	YES
1150408	PACIFIC						
NUMBER	SCIENTIFIC	10395	N/A	PSA-.25	N/A	DELETED	YES

SEP 23 1985

BWAP 1600-BTJ
Revision 0BRAIDWOOD
ON-SITE REVIEW

FORM NIS-2 SUPPLEMENTAL SHEET

1. Owner: Commonwealth Edison Company
One First National Plaza
Chicago, Illinois 60690
Sheet 4 of 5
Date 4-30-90
Unit 1 Dec 4-30-90 TWO
2. Plant: Braidwood Nuclear Power Station Unit 2C-2-89-027
R. R. #1, Box 84
Braceville, Illinois 60407
P. O. No., WR No., etc.
3. Work Performed by: G K Venture
Name
R. R. #1, Box 84, Braceville, IL 60407
Address
Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable
4. Identification of System 2CV09, 2CV11, 2CV15, 2CV25,
- 5a. Applicable Construction Code ASME III 19 74 Edition S '74 Addenda
Code Cases None
- 5b. Applicable Edition of Section XI utilized, 19 83 Edition S '83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No)
115D46S NUBB67	PACIFIC SCIENTIFIC	13056	N/A	PSA-.50	N/A	DELETED	YES
115104S NUBB67	PACIFIC SCIENTIFIC	933	N/A	PSA-.50	N/A	DELETED	YES
115104S NUBB67	PACIFIC SCIENTIFIC	14658	N/A	PSA-.25	N/A	DELETED	YES
115110S NUBB67	PACIFIC SCIENTIFIC	7691	N/A	PSA-1	N/A	DELETED	YES
125003V 116 CAN	GRINNELL	N/A	N/A	N/A	N/A	DELETED	YES
125004S NUBB67	PACIFIC SCIENTIFIC	11-49	N/A	PSA-.50	N/A	DELETED	YES
125011S NUBB67	PACIFIC SCIENTIFIC	13538	N/A	PSA-.50	N/A	DELETED	YES
125014S NUBB67	PACIFIC SCIENTIFIC	9573	N/A	PSA-.50	N/A	DELETED	YES
125021S NUBB67	PACIFIC SCIENTIFIC	13518	N/A	PSA-.50	N/A	DELETED	YES
125023S NUBB67	PACIFIC SCIENTIFIC	21609	N/A	PSA-.25	N/A	DELETED	YES
125024S NUBB67	PACIFIC SCIENTIFIC	8082	N/A	PSA-.50	N/A	DELETED	YES

BwAP 1600-5T3
Revision 0

FORM NIS-2 SUPPLEMENTAL SHEET

2. Plant: Braidwood Nuclear Power Station Unit ~~one~~ See 43090 TWO
R. R. #1, Box 84
Braceville, Illinois 60407
M20-2-89-027
P. O. No., WR No., etc.

4. Identification of System 2CV09, 2CV11, 2CV15, 2CV25

5b. Applicable Edition of Section XI utilized, 19 83 Edition S '83 Addenda

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

[illegible]