

**COMMONWEALTH EDISON
BRAIDWOOD NUCLEAR STATION
UNIT 2**

**INSERVICE INSPECTION SUMMARY REPORT
INTERVAL 1
PERIOD 1
OUTAGE 2**

STATION ADDRESS:

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

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INTRODUCTION

Inservice inspections of ASME Class 1 and 2 components and piping were conducted at Braidwood Station Unit 2 from May 28, 1990 to November 26, 1991. The majority of these inspections were performed during Braidwood Stations's Unit 2 second refueling outage (A2R02). 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 the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 1983 Edition through the Summer 1983 Addenda, as per the requirements of Title 10, Part 50.55a of the Code of Federal Regulations (10CFR50.55a). This summary report will address inspection results on Class 1 and 2 components and piping.

The Nondestructive Examination (NDE) ISI Program Plan for Class 1 and 2 components was developed in accordance with the requirements and intent of Subsections IWA, IWB, and IWC of 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".
- Regulatory Guide 1.150 Revision 1, "Ultrasonic Testing of Reactor Vessel Welds During Preservice and Inservice Examinations".
- Regulatory Guide 1.14 Revision 1, "Reactor Coolant pump Flywheel Integrity".
- NRC Bulletin 88-09 "Thimble Tube Thinning in Westinghouse Reactors".

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 and IWC of the ASME Code. The NDE program tables include the corresponding code category, item number, and component/weld selection in conformance with Class 1 and 2 examination requirements. Program notes and relief requests are identified in the remarks column.

Exempted Components

Class 1 and 2 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" 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 and 2 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 Sections V and XI, 1983 Edition through Summer 1983 Addenda.

Visual examinations (VT-3 and VT-4) of Class 1 and 2 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 IWA-2200, "Examination Methods".

The Inservice Inspections were performed from May 28, 1990 thru November 26, 1991. The Authorized Nuclear Inservice Inspector was Mr. Librado Malaban from Hartford Steam Boiler Inspection and Insurance Company of Hartford, Connecticut, Chicago Branch, whose address is 2443 Warrenville Road, Suite 500 Lisle, Illinois 60532.

EXAMINATION SUMMARY

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

PIPING SYSTEMS

CHEMICAL AND VOLUME CONTROL (CV)

A total of 5 pressure retaining welds were examined. Of these 5 received a surface exam (B10.10). One valve received a VT-1 exam (B7.70)

FEEDWATER (FW)

A total of 30 pressure retaining welds were examined. Of these received a volumetric and surface exam (C5.21) and 2 received surface exam only (C3.20). (see note 5 & 8)

MAINSTEAM (MS)

A total of 37 weldments were examined. Of these 17 received a surface exam (12-C3.20, 5-C5.31), 16 received both a volumetric and surface exam (11-C5.22, 7-C5.21) and 2 received a volumetric exam only (note 5)

REACTOR COOLANT (RC)

A total of 38 components were examined. Of these 12 welds were examined by surface & volumetric (10-B9.11, 2-B 5.70), 24 welds received a surface exam (6-B9.32, 4-B9.21, 12-B9.40, 2-B10.10), and 2 bolting connections received a VT-1 (B7.50) (see note 7)

RESIDUAL HEAT REMOVAL (RH)

A total of 3 pressure retaining welds received a surface exam (2-C5.12, 1-C5.11)

SAFETY INJECTION (SI)

A total of 10 pressure retaining welds were examined. One weld received a volumetric and surface exam (C5.21), and 9 welds received a surface exam (7-B9.40, 1-B10.10, 7-B9.40)

EMERGENCY CORE COOLING SYSTEMS

Five safety injection and 5 chemical and volume control weldments received a volumetric examination (see note 1)

COMPONENTS

REACTOR VESSEL (2RC01R)

A volumetric exam was performed from 0 to 180 degrees on the reactor vessel shell-to-flange weld (B1.3C) and the threads in the flange (B6.40)

REACTOR COOLANT PUMPS

One (B7.60) bolting assembly was visually examined (VT-1), 4 reactor coolant pump flywheels were examined per Reg Guide 1.14 (see note 6).

PRESSURIZER (2RY01S)

One VT-1 was performed on the primary manway (B7.20)

RESIDUAL HEAT REMOVAL HEAT EXCHANGER (2RH02AA, 2RH02AB)

Four nozzle-to-shell (C-B C2.21) pressure retaining welds received a volumetric exam and 2 welds received a surface exam (see note 4)

RESIDUAL HEAT REMOVAL PUMP

3 pump lug welds (C-C C3.30) received a surface examination (see note 2)

STEAM GENERATOR (2RC01BA)

One VT-1 was performed on the primary manway (B7.30)

STEAM GENERATORS (2RC01BA, 2RC01BB, 2RC01BC, 2RC01BD)

Eddy Current examination was performed on all 4 steam generators. Fifty percent of each generators tubes received 100% full length examination and the remaining tubes were examined from the hot leg tube end thru the top support plate on the cold leg side. Based on Eddy Current results 11 tubes were 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 Station Technical Specifications 4.4.5.5.

SNUBBERS/COMPONENT SUPPORTS

<u>SYSTEM</u>	<u>SNUBBER VT-3/4</u>	<u>COMP. SUPPORT</u>
#NSSS	8	
AB	2	
CC	12	
CS	9	1
CV	96	1
FW	42	
MS	12	
RC	80	
RH	40	
RY	27	1
SD	22	
SI	21	1
SX	4	
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	374	4

#STEAM GENERATOR SNUBBERS

SYSTEM PRESSURE TEST

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.

Seventy Two (72) Class II, subsystem pressure tests were performed. The Class II boundaries are divided into convenient test boundaries which are described on pages 2 of 10 through 3 of 10.

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 Class 1 & 2 Vessels and Pumps

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RY01S	Westinghouse	2121	U-199347	22170
2RC01PA	Westinghouse	13-115E121G01	N/A	W-32
2RH02AA	Westinghouse	2267-1F	U-199322	841
2RH02AB	Westinghouse	2267-1H	U-199325	843
2RC01R	Babcock & Wilcox	640-0016-51	B-24370	N-197
2RC01BA	Westinghouse	2111	U-199348	20
2RC01BB	Westinghouse	2114	U-199350	23
2RC01BC	Westinghouse	2113	U-199349	22
2RC01BD	Westinghouse	2112	U-199351	21

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

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC01AA-29"	Tubeco/PGCo	2RC-1:N5	N/A	N/A
2RC13AA-2	Tubeco/PGCo	2RC-1:N5	N/A	N/A
2RC02AA-31	Tubeco/PGCo	2RC-1:N5	N/A	N/A
2RC16AA-2"	Tubeco/PGCo	2RC-1:N5	N/A	N/A
2RC03AA-27.5"	Tubeco/PGCo	2RC-1:N5	N/A	N/A
2RC17AA-2"	Phillips Getshow	2RE-1:N5	N/A	N/A
2RC28A-3"	Tubeco/PGCo	2RC-1:N5	N/A	N/A
2RC45AA-3"	Tubeco/PGCo	2RC-1:N5	N/A	N/A
2RC29AA-10"	Tubeco/PGCo	2RC-1:N5	N/A	N/A
2RY11A-14"	Tubeco/PGCo	2RY-1:N5	N/A	N/A
2RC21AA-8"	Southwest Fab/PGCo	2RC-1:N5	N/A	N/A
2RC21BA-8"	Southwest Fab/PGCo	2RC-1:N5	N/A	N/A
2RC09FB-3"	Southwest Fab/PGCo	2RC-1:N5	N/A	N/A
2RC24AA-4"	Southwest Fab/PGCo	2RC-1:N5	N/A	N/A

WELD/COMPONENT
EXAMINATION SUMMARY
TABULATION

SYSTEM

FEEDWATER

CODE ITEM	ISI NUMBER/COMPONENT	EXAMINATION SUMMARY			
		VOL.	SURF.	VIS.	NOTE
C5.21	2FW-02-19	X	X		
C5.21	2FW-02-20	X	X		
C5.21	2FW-02-21.01	X	X		8
C5.21	2FW-02-22.01	X	X		8
C5.21	2FW-02-23	X	X		
C5.21	2FW-02-24	X	X		
C5.21	2FW-02-30	X	X		
C5.21	2FW-05-01	X	X		5
C5.21	2FW-05-02	X	X		
C5.21	2FW-05-03	X	X		
C5.21	2FW-05-06	X	X		
C5.21	2FW-05-07	X	X		5
C5.21	2FW-05-08	X	X		5
C5.21	2FW-05-09	X	X		5
C5.21	2FW-05-10	X	X		5
C5.21	2FW-05-11	X	X		5
C5.21	2FW-05-12	X	X		5
C5.21	2FW-05-13	X	X		5
C5.11	2FW-05-16.01	X	X		5
C5.11	2FW-05-17	X	X		5
C5.11	2FW-05-18	X	X		5
C5.11	2FW-05-19	X	X		5
C5.11	2FW-05-20	X	X		5
C5.11	2FW-05-21	X	X		5
C5.11	2FW-05-22	X	X		5
C5.11	2FW-05-23	X	X		5

SYSTEM

MAINSTEAM

CODE ITEM	ISI NUMBER/COMPONENT	EXAMINATION SUMMARY			
		VOL.	SURF.	VIS.	NOTE
C3.20	2MS-05-L01		X		
C3.20	2MS-C5-L02		X		
C3.20	2MS-05-L03		X		
C3.20	2MS-05-L04		X		
C3.20	2MS-05-L05		X		
C3.20	2MS-05-L06		X		
C3.20	2MS-05-L07		X		
C3.20	2MS-05-L08		X		
C3.20	2MS-05-L09		X		
C3.20	2MS-05-L10		X		
C3.20	2MS-05-L11		X		
C3.20	2MS-05-L12		X		
C5.21	2MS-06-01	X	X		
C5.22	2MS-06-02	X	X		
C5.22	2MS-06-03	X	X		
C5.21	2MS-06-04	X	X		
C5.22	2MS-06-05	X	X		
C5.22	2MS-06-06	X	X		
C5.21	2MS-06-07	X	X		
C5.22	2MS-06-08	X	X		
C5.31	2MS-06-09		X		
C5.21	2MS-06-10	X	X		5
C5.21	2MS-06-11	X	X		5
C5.22	2MS-06-12	X	X		
C5.21	2MS-06-13	X	X		
C5.21	2MS-06-16	X	X		

CODE ITEM	ISI NUMBER/COMPONENT	EXAMINATION SUMMARY			
		VOL.	SURF.	VIS.	NOTE
B9.11	2RC-01-04	X	X		7,9
B9.32	2RC-01-07		X		
B5.70	2RC-01-08	X	X		7
B5.70	2RC-01-09	X	X		7
B9.32	2RC-01-13		X		
B9.11	2RC-01-18	X	X		
B9.32	2RC-01-19		X		
B9.32	2RC-01-24		X		
B9.32	2RC-01-26		X		
B9.31	2RC-01-27	X	X		
B9.11	2RC-05-06	X	X		
B9.11	2RC-06-11	X	X		
B9.11	2RC-06-12	X	X		
B9.11	2RC-06-13	X	X		
B9.32	2RC-10-06		X		
B9.21	2RC-10-20		X		
B9.21	2RC-10-21		X		
B9.21	2RC-10-22		X		
B9.21	2RC-10-23		X		
B7.50	2RC-10-B3			X	
B10.10	2RC-10-L1		X		
B10.10	2RC-10-L2		X		
B9.11	2RC-17-13	X	X		
B9.11	2RC-17-14	X	X		
B9.11	2RC-17-15	X	X		
B9.11	2RC-17-16	X	X		

WELD/COMPONENT EXAMINATION NOTES

1. These are augmented volumetric examinations on 7 1/2% of the circumferential welds within the ECCS systems (refer to Note 10 of the ISI Program Plan)
2. Pump lug obstructions on the RHR pump (refer to NR-15 of the ISI Program Plan)
3. Braidwood Station will utilize Code Case N-426 (refer to Note 3 of the ISI Program Plan)
4. Indications exceeding Section XI acceptance criteria were detected on all (4) nozzle-to-vessel welds. Fracture mechanics analysis was performed and found acceptable. (ref. NRC Docket No. STN 50-457)
5. Ultrasonic examinations were performed on high energy lines not postulated for line breaks (refer to Note 5 of the ISI Program Plan)
6. Augmented NDE exams were performed on 4 reactor coolant pump flywheels (refer to Note 6 of the ISI Program Plan)
7. Only 25% thru wall indications can be detected on cast stainless steel welds (refer to Relief Request NR-2 of the ISI Program Plan)
8. A fabrication defect was detected on the 90 degree elbow adjacent to weld number 2FW-02-22 which exceeded the ASME Section XI ultrasonic testing criteria. The elbow was cut out, the indication removed and rewelded back into the system. The indication in the Main Feedwater elbow was not service induced therefore no sample expansion was performed.

COMPONENT SUPPORT
EXAMINATION SUMMARY
TABULATION

SYSTEM 2CV

SUBSYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTES
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		

SYSTEM 2CV

SUBSYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTES
2CV09	2CV09018S	X		
2CV09	2CV09030S	X		
2CV09	2CV09051S	X		
2CV09	2CV09063S	X		
2CV09	2CV09068S	X		
2CV09	2CV09069S	X		
2CV11	2CV11013S	X		
2CV11	2CV11019S	X		
2CV11	2CV11023S	X		
2CV12	2CV12002S	X		
2CV12	2CV12003S	X		
2CV12	2CV12005S			
2CV12	2CV12006S	X		
2CV12	2CV12007S	X		
2CV12	2CV12017S	X		
2CV13	2CV13051S	X		
2CV13	2CV13054S	X		
2CV14	2CV14001S	X		
2CV14	2CV14004S	X		
2CV14	2CV14039S	X		

SUBSYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTES
2CV15	2CV15015S	X		
2CV15	2CV15039S	X		
2CV15	2CV15111S	X		
2CV16	2CV16008S	X		
2CV16	2CV16009S	X		
2CV22	2CV22002S	X		
2CV22	2CV22009S	X		
2CV24	2CV24021S	X		
2CV24	2CV24023S	X		
2CV24	2CV24024S	X		
2CV24	2CV24026S	X		
2CV24	2CV24027S	X		
2CV24	2CV24039S	X		
2CV25	2CV25001S	X		
2CV25	2CV25002S	X		
2CV25	2CV25009S	X		
2CV25	2CV25034S	X		
2CV25	2CV25051S	X		
2CV25	2CV25052S	X		
2CV27	2CV27001S	X		

SYSTEM 2CV

SUBSYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTES
2CV29	2CV29005S	X		
2CV29	2CV29036S	X		
2CV31	2CV31007S	X		
2CV31	2CV31011S	X		
2CV31	2CV31020S	X		
2CV34	2CV34008S	X		
2CV40	2CV40001S	X		
2CV40	2CV40002S	X		
2CV40	2CV40005S	X		
2CV40	2CV40006S	X		
2CV40	2CV40011S	X		
2CV41	2CV41001S	X		
2CV41	2CV41002S	X		
2CV41	2CV41003S	X		
2CV41	2CV41006S	X		
2CV41	2CV41017S	X		
2CV54	2CV54017S	X		
2CV64	2CV64025S	X		

SYSTEM 2FW

EXAMINATION SUMMARY

SUBSYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTES
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		
2FW06	2FW06002S	X		
2FW06	2FW06005S	X		
2FW06	2FW06008S	X		
2FW06	2FW06013S	X		
2FW07	2FW07004S	X		
2FW07	2FW07005S	X		
2FW07	2FW07006S	X		
2FW07	2FW07014S	X		
2FW07	2FW07019S	X		
2FW07	2FW08005S	X		
2FW07	2FW08006S	X		
2FW07	2FW08007S	X		
2FW07	2FW08018S	X		

SYSTEM 2EC

SUBSYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTES
2RC01	2RC01006S	X		
2RC01	2RC01007S	X		
2RC02	2RC02006S	X		
2RC02	2RC02007S	X		
2RC02	2RC02008S	X		
2RC03	2RC03005S	X		
2RC03	2RC03006S	X		
2RC03	2RC03007S	X		
2RC03	2RC03008S	X		
2RC04	2RC04005S	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		
2RC10	2RC10035S	X		
2RC10	2RC10037S	X		
2RC10	2RC10039S	X		
2RC10	2RC10040S	X		

SYSTEM 2RC

EXAMINATION SUMMARY

SUBSYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTES
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		
2RC11	2RC11005S	X		
2RC11	2RC11006S	X		
2RC11	2RC11007S	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		

SYSTEM 28C

EXAMINATION SUMMARY

SUBSYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTES
2RC12	2RC12081S	X		
2RC12	2RC12083S	X		
2RC12	2RC12084S	X		
2RC12	2RC12085S	X		
2RC13	2RC13026S	X		
2RC13	2RC13038S	X		
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		
2RC16	2RC16114S	X		
2RC16	2RC16115S	X		
2RC16	2RC16119S	X		

SUBSYSTEM	EXAMINATION ITEM/AREA	T-3/4	MODIFIED	NOTES
2RH02	2RH02002S	X		
2RH02	2RH02003S	X		
2RH02	2RH02007S			
2RH02	2RH02008S			
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		

COMPONENT SUPPORTS		EXAMINATION SUMMARY		NOTES
EXAMINATION ITEM/AREA	VT-3/4	MODIFIED		
2RH02083S	X			
2RH02205S	X			
2RH02206S	X			
2RH02207S	X			
2RH02208S	X			
2RH02210S	X			
2RH02212S	X			
2RH02215S	X			
2RH02218S	X			
2RH02219S	X			
2RH02220S	X			
2RH05003S				
2RH07025S				
2RH08030S				

SYSTEM 2RY

EXAMINATION SUMMARY

SUBSYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTES
2RY05	2RY05003S	X		
2RY05	2RY05010S	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		

SYSTEM 2SD

EXAMINATION SUMMARY

SUBSYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTES
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		
2SD23	2SD23089S	X		
2SD23	2SD23093S	X		
2SD23	2SD23095S	X		
2SD23	2SD23098S	X		

SYSTEM 2SI

EXAMINATION SUMMARY

SUBSYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTES
2SI01	2SI01023S	X		
2SI03	2SI03001S	X		
2SI03	2SI03003S	X		
2SI03	2SI03009S	X		
2SI03	2SI03014S	X		
2SI03	2SI03019S	X		
2SI05	2SI05002S	X		
2SI05	2SI05003S	X		
2SI05	2SI05013S	X		
2SI05	2SI05016S	X		
2SI06	2SI06340S	X		
2SI06	2SI06366S	X		
2SI09	2SI09002S	X		
2SI09	2SI09014S	X		
2SI10	2SI10031S	X		
2SI10	2SI10036S	X		
2SI16	2SI16010S	X		
2SI16	2SI16029S	X		
2SI16	2SI16037S	X		
2SI16	2SI16038S	X		
2SI18	2SI18049S	X		

SYSTEM 2CS, 2CV, 2RY, 2SI

EXAMINATION SUMMARY

SUBSYSTEM	EXAMINATION ITEM/AREA	VT-3/4	MODIFIED	NOTES
2CS03	2CS03034V	X		
2CV16	2CV16038X	X		
2RY09	2RY09003C	X		
2SI01	2SI01037R	X		

SYSTEM PRESSURE TESTS
EXAMINATION SUMMARY
TABULATION

SYSTEM PRESSURE TESTS

A total of 3 Class 1 System Pressure Tests and 74 Class 2 Subsystem Pressure Tests were performed.

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

The Class 2 system boundaries are divided into convenient test boundaries and are described briefly below:

<u>SUBSYSTEM</u>	<u>CLASS</u>	<u>DESCRIPTION</u>
CC-1	2	Component Cooling IRC/ORC
CC-2	2	Component Cooling IRC/ORC
CS-1	2	2A Train Containment Spray System
CS-2	2	2B Train Containment Spray System
CS-3	2	2A Train Spray Additive System
CS-4	2	2B Train Spray Additive System
CV-1	2	Volume Control Tank
CV-2	2	Positive Displacement Pump
CV-3	2	2A Centrifugal Charging Pump
CV-4	2	2B Centrifugal Charging Pump
CV-5	2	Control Volume Charging Header
CV-6	2	2A Seal Water Injection Filter
CV-7	2	2B Seal Water Injection Filter
CV-8	2	Seal Water Injection
CV-9	2	Seal Water Return
CV-10	2	Chemical Volume Charging to RC Loops
CV-11	2	Charging Pumps Regenerative Heat Exchanger
CV-12	2	2A Regenerative Heat Exchanger
CV-13	2	2B Regenerative Heat Exchanger
CV-14	2	CV Charging Inside Containment
CV-15	2	Letdown Inside Containment
CV-16	2	2B Letdown Regen. Heat Exchanger
CV-17	2	2A Letdown Regen. Heat Exchanger
CV-18	2	Letdown Outside Containment
CV-19	2	2A Letdown Heat Exchanger
CV-20	2	2B Letdown Heat Exchanger
CV-21	2	Letdown Downstream of Letdown Heat Exchanger
CV-22	2	RC Filter up to Volume Control Tank
CV-23	2	2A Excess Letdown Heat Exchanger
CV-24	2	2B Excess Letdown Heat Exchanger
CV-25	2	Letdown Downstream of Excess Letdown Heat Exchanger
FC-1	2	Class 2 Portion of Fuel Pool Cooling
FP-1	2	Fire Protection
FW-1	2	Feedwater A Loop

<u>SUBSYSTEM</u>	<u>CLASS</u>	<u>DESCRIPTION</u>
FW-2	2	Feedwater B Loop
FW-3	2	Feedwater C Loop
FW-4	2	Feedwater D Loop
MS-1	2	Mainsteam A Loop
MS-2	2	Mainsteam B Loop
MS-3	2	Mainsteam C Loop
MS-4	2	Mainsteam D Loop
OG-1	2	Hydrogen Recombiner
OG-2	2	Hydrogen Recombiner Suction Piping
OG-3	2	Hydrogen Recombiner Discharge Piping
PS-1	2	Process Sampling
RC-1	2	Instr./Sampling Lines Loop A & Reactor Vessel
RC-2	2	Instr./Sampling Lines, Loop b
RC-3	2	Instr./Sampling Lines, Loop C
RC-4	2	Instr./Sampling Lines, Loop D
RC-5	2	Reactor Coolant
RH-1	2	2A Train Residual Heat Removal Pump
RH-2	2	2A Train Residual Heat Removal Heat Exchanger
RH-3	2	2B Train Residual Heat Removal Pump
RH-4	2	2B Train Residual Heat Removal Heat Exchanger
RH-5	2	Residual Heat Removal Heat Exchanger
RY-1	2	Pressurizer Sample System
RY-2	2	Pressurizer, Instrumentation lines
RY-3	2	ORC Portion of RY to PRT
RY-4	2	ORC Portion of RY to PRT
SD-1	2	Loop A Steam Gen. Blowdown Lines
SD-2	2	Loop B Steam Gen. Blowdown Lines
SD-3	2	Loop C Steam Gen. Blowdown Lines
SD-4	2	Loop D Steam Gen. Blowdown Lines
SI-1	2	ECCS Suction Piping
SI-2	2	Safety Injection Accumulator
SI-3	2	2A Safety Injection Accumulator
SI-4	2	2B Safety Injection Accumulator
SI-5	2	2C Safety Injection Accumulator
SI-6	2	2D Safety Injection Accumulator
SI-7	2	Accumulator Fill Lines
SI-8	2	Safety Injection To Accumulator Tank
SI-9	2	Safety Injection Test Lines

SYSTEM PRESSURE TESTS

Class 1

LINE NUMBER	CODE ITEM	EXAMINATION ITEM/AREA	EXAMINATION TYPE				NOTE
			LEAK.	FUNC.	INSERV	HYDRO	
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					
6	B15.70	Class 1 Valves Pressure Retaining Boundary	X				1

SYSTEM PRESSURE TESTS

Class 2

LINE NUMBER	CODE ITEM	EXAMINATION ITEM/AREA	EXAMINATION TYPE				NOTE
			LEAK.	FUNC.	INSERV	HYDRO	
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	ELAMINATION TYPE				NOTE	
			LEAK.	FUNC.	INSERV	HYDRO		
8	C7.10 (Cont.)	Safety Injection Accumulators:						
		2SI04TA 2SI-3			X		2	
		2SI04TB 2SI-4			X		2	
		2SI04TC 2SI-5			X		2	
		2SI04TD 2SI-6			X		2	
9	C7.30	Piping, Pressure Retaining Components:						
		Component Cooling Piping Subsystems:						
		2CC-1		X			2	
		2CC-2		X			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				X	2	
		2CV-3		X			2	
		2CV-4		X			2	
		2CV-5				X	X	2
		2CV-6				X		2
		2CV-7				X	X	2
		2CV-8				X	X	2
		2CV-9				X		2
		2CV-10				X		2
2CV-11				X		2		
2CV-12				X	X	2		
2CV-13				X		2		
2CV-14				X	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-19			X		2		
		2CV-20			X		2		
		2CV-21			X		2		
		2CV-22			X		2		
		2CV-23			X		2		
		2CV-24			X		2		
		2CV-25			X		2		
		Fuel Pool Cooling:							
		2FC-1					X		2
		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
		Process Sample:							
		2PS-1					X		2
		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	
		2RY-3			X			2	
		2RY-4			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				NOTE
			LEAK.	FUNC.	INSERV	HYDRO	
10	C7.50 (Cont.)	Residual Heat Removal Pumps: 2RH01PA-1 2RH01PB-2 Safety Injection Pumps: 2SI01PA-1 2SI01PB-2		X X X X			2 2 2 2
11	C7.70	Valves, Pressure Retaining Boundary All valves within piping subsystem boundaries listed in line number 9, Code Item C7.30		X	X		2

SYSTEM PRESSURE TEST NOTES

1. A total of 3 Class 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 5/24/90.
2. See pages 2 of 10 through 3 of 10 for descriptions of Class 2 System Pressure Test Boundaries.

NIS-2
 OWNER'S REPORT FOR
 REPAIRS AND REPLACEMENTS

<u>SYSTEM</u>		<u>NIS-2</u>	<u>TOTAL</u>	<u>TOTAL</u>	<u>PAGES</u>
Containment Spray	(CS)	1		1	
Chemical Volume Control	(CV)	9		9	
Feedwater	(FW)	4		5	
Main Steam	(MS)	1		1	
Reactor Coolant	(RC)	14		14	
Residual Heat Removal	(RH)	1		1	
Pressurizer	(RY)	1		1	
Steam Generator Blowdown	(SD)	2		2	
Safety Injection	(SI)	3		3	
		33		33	

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 Date OCTOBER 20 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
 2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NWR# A50956
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address

4. Identification of System CS SYSTEM
 5. (a) Applicable Construction Code ASME Section III 1979 Edition, S 79 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
SIZE 1/2 SNUBBER	PSA	8640	N/A	EPN 205080155	1979	REPLACED	YES
SIZE 1/2 SNUBBER	PSA	14790	N/A	BYRON MA# 52255 ORDER# E-VY-896	1980	REPLACEMENT	YES

7. Description of Work REPLACE SIZE 1/2 SNUBBER (SN 8640) WITH SIZE 1/2 SNUBBER SN(14790)

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.

Doc #13

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 10-12-91
Name
One First National Plaza
Address Chicago, IL 60690
 Sheet 1 of 1
2. Plant Braidwood Nuclear Power Station Unit 1
Name
R. R. #1, Box 84, Braceville IL 60407
Address NLR#A37545
Repair Organization P.O. No., Job No., etc.
3. Work Performed by GN Venture Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
R. R. #1, Box 84, Braceville IL 60407 Expiration Date Not Applicable
Address
4. Identification of System CHEMICAL FEED AND VOLUME CONTROL VALVE (CV)
5. (a) Applicable Construction Code ASME III 19 71 Edition, 5'72 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 583

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)
3" GLOBE VALVE	LOPES VULCAN	7310-95288-202-1	999	EPRV ICV8196	1975	NUTS REPLACED	YES
1-1/4" - BULKHEAD NUTS	LOPES-VULCAN	N/A	N/A	HT# 31784	N/A	REPLACEMENT	NO

7. Description of Work REPLACE BODY TO FOMNET 1 JTS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure _____ psi Test Temp. _____ °F N/A

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

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

1. Owner Commonwealth Edison Company
Name

Date OCTOBER 20 1991

One First National Plaza
Chicago, IL Address 60690

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name

Unit ?

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

NIWA # A-50956

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

3. Work Performed by The 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 CS SYSTEM

ASME

5. (a) Applicable Construction Code Section III 10.74 Edition, S 74 Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
SIZE 1/2 SNUBBER	PSA	8640	N/A	EPN 205080155	1979	REPLACED	YES
SIZE 1/2 SNUBBER	PSA	14790	N/A	BYRON MAX 52255 GARDER # E-VY-896	1980	REPLACEMENT	YES

7. Description of Work REPLACE SIZE 1/2 SNUBBER (S/N 8640) WITH SIZE 1/2 SNUBBER S/N (14790)

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

VF-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 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 10-12-91

One First National Plaza
Address
Chicago, IL 60690

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name

Unit 1

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

NJWRPA37545
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 CHEMICAL FEED AND VOLUME CONTROL VALVE (CV)

5. (a) Applicable Construction Code ASME III 19 71 Edition, 5'72 Addenda None Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 583

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)
3" GLOBE VALVE	LOPES VULCAN	1310-9525E-202-1	499	EPN (CV) 8196	1975	NUTS REPLACED	YES
1-1/4" BUN SA 199 OR BLS NUTS	LOPES-VULCAN	N/A	N/A	HT# 21784	N/A	REPLACEMENT	NO

7. Description of Work REPLACE EDDY TO CONNET NUTS

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

N/A

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

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

1. Owner Commonwealth Edison Company Date OCTOBER 24, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
 2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NUR# AS1207
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address

4. Identification of System CHEMICAL AND VOLUME CONTROL VALVE
 5. (a) Applicable Construction Code ASME Section III 1974 Edition 574 Addenda None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
3" SWING CHECK VALVE	WESTINGHOUSE	03000588000 000025740170	W12042	EPRJ 2LV8370A	1979	REPLACED	YES
3" SWING CHECK VALVE	WESTINGHOUSE	03000588000 00002W750325	W20012	WRI # ABB-01036	1979	REPLACEMENT	YES

REPLACE 2LV8370A (S/N 03000588000/000025740170) WITH NEW

7. Description of Work 3" VALVE (S/N 03000588000/00002W750325)

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 3289 psi Test Temp. 78 °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.

Doc # 22

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 OCTOBER 24, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690

2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NWIR#A51207
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address

4. Identification of System CHEMICAL AND VOLUME CONTROL

5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, S'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)
3' SMLS S.S. PIPE	PHILLIPS, GETSCHOW	ZCV-2	N/A	LINE# ZCV100A-3"	1987	REPAIRED	YES
3' SMLS S.S. PIPE	CLYBON ALLOYS, INC.	N/A	N/A	HT# M357E MRR#4980	N/A	REPLACEMENT	NO

REMOVE 3' SMLS S.S. PIPE AND INSTALL

7. Description of Work 3" SMLS SA-376 TP304 SMLS S.S. PIPE (HT#M357E, MRR#4980)

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 3289 psi Test Temp. 28 °F VTR

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

1. Owner Commonwealth Edison Company Date November 1, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 A 98662
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System CHEMICAL FEED AND VALVE CONTROL
5. (a) Applicable Construction Code Section III, 1971 Edition, 3/72 Addenda None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
<u>2KV460</u>	<u>COPEL VULCAN</u>	<u>7310-95259-203-2</u>	<u>530</u>	<u>MRE#10156</u>	<u>1971</u>	<u>REPAIRED</u>	<u>Y</u>
<u>TRIM SET</u>	<u>COPEL VULCAN</u>	<u>8911-96200-1-2</u>	<u>N/A</u>	<u>GREASE 00519</u>	<u>1990</u>	<u>REPLACEMENT</u>	<u>N/A</u>

7. Description of Work REPAIRED TRIM SET
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 psi Test Temp. 550 °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 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Commonwealth Edison Company Date NOVEMBER 11, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690

2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NWR# A 50376
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address

4. Identification of System CHEMICAL AND VOLUME CONTROL

5. (a) Applicable Construction Code ASME Section III 1979 Edition, 575 Addenda, None Code Case
 (b) Applicable Edition of Section XI: Utilized for Repairs or Replacements 1983, 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)
SPOOL* 25ALC-34E-7	PHILLIPS, GETSCHOW	ZCV-1	N/A	LINE* 2CVKGB-1/2	1987	REPLACED	YES
SA192 GR F316 PLATE	W.F.I NUCLEAR PRODUCTS	N/A	N/A	HT# 183 TME MFR# 24292	N/A	REPLACEMENT	NO
1-B SA193 GR B16 STUDS	CARDINAL INDUSTRIAL PRODUCTS	N/A	N/A	WICE CODE: NCE GCI#A01 0230A	N/A	REPLACEMENT	NO

7. Description of Work INSTALL NEW RTD MOUNTING PLATES AND NEW STUD BOLTS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 ps Test Temp. 550 °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 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Commonwealth Edison Company Date OCTOBER 20 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NIUR# A50956
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System CS SYSTEM
5. (a) Applicable Construction Code ASME Section III, 1979 Edition, 1979 Addenda None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
SIZE 1/2 SNUBBER	PSA	8690	N/A	EPN 205080155	1979	REPLACED	YES
SIZE 1/2 SNUBBER	PSA	14790	N/A	BYRON PWR 52355 ORDER# E.VY.896	1980	REPLACEMENT	YES

REPLACE SIZE 1/2 SNUBBER (SN 8690) WITH

7. Description of Work SIZE 1/2 SNUBBER, SN(14790)
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure _____ psi Test Temp. _____ °F VF-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 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 Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] ISI Grp Ldr Date December 3, 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 State or Province of IL and employed by HOBAS & I CO. of HARTFORD CT. have inspected the components described in this Owner's Report during the period 12-2-91 to 12-19-91, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 12-19, 19 91

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 10-12-91
Name
One First National Plaza
Address Chicago, IL 60690
 Sheet 1 of 1
2. Plant Braidwood Nuclear Power Station Unit 1
Name
Jl. R. #1, Box 84, Braceville IL 60407
Address NJUR#A 57545
Repair Organization P.O. No., Job No., etc.
3. Work Performed by GN Venture Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
R. R. #1, Box 84, Braceville IL 60407 Expiration Date Not Applicable
Address
4. Identification of System CHEMICAL FEED AND VOLUME CONTROL VALVE (CV)
5. (a) Applicable Construction Code ASME III 19 71 Edition, 572 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)
3" GLOBE VALVE	COPE'S VULCAN	1310-35286-202-1	449	EPN ICV8196	1975	NUTS REPLACED	YES
1-1/4" - BULK SA 199 OR BULK NUTS	COPE'S - VULCAN	N/A	N/A	HT# 31784	N/A	REPLACEMENT	NO

7. Description of Work REPLACE BODY TO CONNET NUTS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure N/A
 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.

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 [Signature] ISI-66 Date October 12, 1991
Owner or Owner's 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 IL and employed by HARRIS & I Co of HARRISFORD PA have inspected the components described in this Owner's Report during the period 10-1-90 to 11-20-90, 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.

[Signature] Commissions IL # 10911
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-20- 19 91

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 OCTOBER 24, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690

2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NJR# AS1207
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address

4. Identification of System CHEMICAL AND VOLUME CONTROL VALVE

5. (a) Applicable Construction Code ASME Section III 1974 Edition, 574 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
3" SWING CHECK VALVE	WESTINGHOUSE	03000588000 000025740270	W12042	EPI 20V8370A	1977	REPLACED	YES
3" SWING CHECK VALVE	WESTINGHOUSE	03000588000 00002W750325	W20012	EPI # ABB-01036	1979	REPLACEMENT	YES

REPLACE 20V8370A (C/W 030005880000000025740270) WITH NEW

7. Description of Work 3" VALVE (C/W 030005880000000025740270)

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 3289 psi Test Temp. 78 °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.

Doc #22

FORM NIS-2 (Back)

9. Remarks SEE FORM NPI-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 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 [Signature] ISI Cup Ldr Date December 18, 1991
 Owner or Owner's 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 IL and employed by HOBAS-ICU of HANFORD, CA have inspected the components described in this Owner's Report during the period 10-24-91 to 1-10-92 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.

[Signature] Commission IL # 1087
 Inspector's Signature National Board, State, Province, and Endorsements

Date 1-10-92 1992

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 OCTOBER 24, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
 2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NVIR#AS1207
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address

4. Identification of System CHEMICAL AND VOLUME CONTROL
ASME
 5. (a) Applicable Construction Code Section III, 1974 Edition, S'75 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
3' SMLS SS PIPE	PHILLIPS, GETSCHOW	ZCV-2	N/A	LIME# ZCVICOR 3"	1987	REMOVED	YES
3' SMLS SS PIPE	LIYDON ALLOYS, INC.	N/A	N/A	HT# M3575, MAR# 4960	N/A	REPLACEMENT	NO

REMOVE 3' SMLS SS PIPE AND INSTALL

7. Description of Work 3' SMLS SA-376 TP304 SMLS SS PIPE (HT#M3575, MAR#4960)

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 3289 psi Test Temp. 28 °F VTR

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
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 ME Swan ISI Corp Ltd Date January 9, 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 or Province of IL and employed by ISI Corp Ltd of WATERSIDE CT have inspected the components described in this Owner's Report during the period 10-11-91 to 1-9-92, 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.

I. Swanson Commission IL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-9-92 19 92

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 November 1, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 A 98662
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System CHEMICAL FEED AND VOLUME CONTROL
5. (a) Applicable Construction Code ASME Section III 1971 Edition, 5/72 Addenda None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
2KV460	COPEL VULCAN	7310-95289 203-2	530	MR# 10156	1976	REPAIRED	Yes
TRIM SET	COPEL VULCAN	894-96200 1-2	NA	QRT 490 00579	1990	REPLACEMENT	N/A

7. Description of Work REPLACE TRIM SET
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 psi Test Temp. 550 °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.

Doc. 18

FORM NIS-2 (Back)

9. Remarks See N-5 Report ZCV-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 Report 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] ISI Insp Ltr Date January 9, 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 or Province of IL and employed by HARRIS & S CO of HARRISBURG, CT. have inspected the components described in this Owner's Report during the period 7-26-91 to 1-9-92, 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.

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

Date 1-9-92, 19 92

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 NOVEMBER 11, 1991
Name
One First National Plaza
Chicago, IL Address 60690 Sheet 1 of 1
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NWRB A 50376
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
5. (a) Applicable Construction Code Section III 1979 Edition, 970 Addenda None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83, 8'83 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)
SPOOL* 25462 2487	PHILLIPS, GETSCHOW	ZCV-1	N/A	LINE # ZCV1AGB-1/2	1987	REPLACED	YES
SAFETY GR. FLOW PLATE	W.F.I. NUCLEAR PRODUCTS	N/A	N/A	HT# 123 TME MFR# 24292	N/A	REPLACEMENT	N/D
1-B SAFETY GR. BLOW STUDS	CARDINAL INDUSTRIAL PRODUCTS	N/A	N/A	TWEE CODE: NICE GRI# A31-0230A	N/A	REPLACEMENT	N/D

7. Description of Work INSTALL NEW RTD MOUNTING PLATES AND NEW STUD BOLTS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 psi Test Temp. 550 °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 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 [Signature] ISI Corp Ldr Date January 8 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 or Province of IL and employed by HOSPITAL CO of HOSPITAL CO have inspected the components described in this Owner's Report during the period 10-12-91 to 1-9-92 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.

[Signature] Commissions IL 1000
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-9 19 92

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 OCTOBER 15, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NWR&A 3314B
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL (CV)
5. (a) Applicable Construction Code ASME Section III 1971 Edition, W'72 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
LUBE OIL COOLER	AMERICAN STANDARD	720013-02-24	25054	EPN# 2C4025A	1975	PLUGS REPAIRED	YES
3/8" SA102F316 SG. HEAD PLUG	WFI INTERNATIONAL	N/A	N/A	HT#BB35JA GRI# RA1-0051B	2WA	REPLACEMENT	NO

7. Description of Work INSTALL NEW PLUGS ON LUBE OIL COOLER

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 106 psi Test Temp. 70 °F *VTZ*

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 Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] ISI Corp Ldr Date December 15 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 State or Province of IL and employed by HARBE & I Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 8-22-91 to 12-15-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 12-15 19 91

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 OCTOBER 15, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690

2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NWR# A33150
Address Repair Organization F.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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address

4. Identification of System CHEMICAL AND VOLUME CONTROL

5. (a) Applicable Construction Code ASME Section III 1974 Edition, W 74 Addenda None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
LUBE OIL COOLER	AMERICAN STANDARD	3-22012-01-1	30876	EPN# 2CV035A	1977	PLUGS REPLACED	YES
1/2" SA-192 F316 SQ HEADS PLUGS	WFI INTERNATIONAL	N/A	N/A	WRI# A31 0051B	N/A	REPLACEMENT	NO

7. Description of Work INSTALL NEW PLUGS ON LUBE OIL COOLER

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT2
 Other Pressure 100 psi Test Temp. 20 °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.

DOC. 18

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 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 M. Lewis ISI Eng. Ltd. Date December 18, 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 State or Province of IL and employed by HOBAS-I CO of HARTFORD CT have inspected the components described in this Owner's Report during the period 8-28-91 to 12-18-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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. Williams Commissions IL # 1084
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-18 19 91

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 10/10/91
Name
One First National Plaza Chicago, IL 60690 Sheet 1 of 1
Address

2. Plant Braidwood Nuclear Power Station Unit TWO
Name
R.R. #1 Box B4 Braceville, IL 60407 A42038
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station Expiration Date Not Applicable
Address R.R. #1 Box B4

4. Identification of System LV

5. (a) Applicable Construction Code SAT III, CL 2, 19 71 Edition W72 Addenda N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements B3/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)
INSERT	CROSBY	N-90448-464211	N/A		7/72	REPLACEMENT	
SPRING/WASHER	CROSBY	NX4926-007 N88644-76-0057 0055	N/A		7/72	REPLACEMENT	
SPINDLE AND BALL ASSEMBLY	CROSBY	K5516245-0202	N/A		7/72	REPLACEMENT	
NOZZLE	CROSBY	H50182-79-0297	N/A		7/72	REPLACEMENT	

7. Description of Work REBUILD VALVE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 2250 psi Test Temp. 500 °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 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. Corp. Ltd Date December 6 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 State or Province of IL and employed by HUBBARD CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 10-10-91 to 12-6-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 IL 1025
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-6- 19 91

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 OCTOBER 13 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 Address
NLR# R46317
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 84, Braceville, IL 60407 Address Expiration Date Not Applicable
4. Identification of System CHEMICAL FEED AND VOLUME CONTROL SUPPORT SUBSYSTEM 20V41
5. (a) Applicable Construction Code ASME Section III 1979 Edition 574 Addenda None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
SIZE 1/2 SNUBBER	PSA	3751	N/A	EPN# 20V410175	1981	REPLACED	YES
SIZE 1/2 SNUBBER	PSA	14778	N/A	UNDER E.V.P.W. ENCL. NLR# S2255	1978	REPLACEMENT	YES

7. Description of Work REPLACE PSA 1/2 SNUBBER (74 3751) WITH NEW PSA 1/2 SNUBBER (74 14778)
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure _____ psi Test Temp. _____ *F JTB/H

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 Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] I am Ins. Insp. Ldr. Date December 18, 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 State or Province of IL and employed by HARRIS + S. CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 7-19-91 to 12-19-91, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 IL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-19 19 91

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
Name

Date NOVEMBER 7, 1991

One First National Plaza
Chicago, IL Address 60690

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name

Unit 2

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

NWR# A51417
Repair Organization P.O. No., Job No., etc.

3. Work Performed by The 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 FEED WATER

5. (a) Applicable Construction Code ASME Section III 1979 Edition, 5/75 Addenda None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
2FW03DA-16	S.F. & L Co	FW-25-6	N/A	Make No 22203	1981	REPAIRED	YES
GAMMA PLUG	WFI	N/A	N/A	Q21491-02359 HT#4557212	N/A	REPAIRED	NO
CONSUMABLE INSULATORS	N/A	N/A	N/A	HEAT # 40232992	N/A	REPAIRED	NO
WELD	N/A	N/A	N/A	HEAT # 065496 065464	N/A	REPAIRED	NO
WELD	N/A	N/A	N/A	HEAT # 09081 09131	N/A	REPAIRED	NO

7. Description of Work REPAIRED 90° ELBOW, REPAIRED 90° ELBOW, AND ADDED GAMMA PLUG

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
Other Pressure 1250 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 N-5-2 (Back)

9. Remarks See 2FV-1 1-5 Report
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repair 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] Date December 18, 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 State of Province of IL and employed by Hobas & Co. have inspected the components described in this Owner's Report during the period 10-20-91 to 12-19-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 1055
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-19- 19 91

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 EAST NATIONAL PLAZA
CHICAGO, ILL. 60690

Date 11/11/91

Sheet 1 of 2

2. Plant BRAIDWOOD NUCLEAR POWER STATION
R.R. #1 BOX 84 GRACEVILLE, ILL. 60907

Unit 2

NWR# A46790
Repair Organization P.O. No., Job No., etc.

3. Work Performed by MECHANICAL MAINTENANCE DEPT.
BRAIDWOOD NUCLEAR POWER STATION
RR #1 BOX 84, GRACEVILLE, ILL. 60907

Type Code Symbol Stamp NOT APPLICABLE
Authorization No. NOT APPLICABLE
Expiration Date NOT APPLICABLE

4. Identification of System FW FEED WATER

5. (a) Applicable Construction Code ASME SECT III 1979 Edition, 575 Addenda NONE Code Case 12-2-91
(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)
BONNET	BORG-WARNER	N/A	N/A	N/A	N/A	REPLACED	NO
BONNET	BW/IP INTL.	212380-2	N/A	HT# 631363	1991	REPLACEMENT	NO
RETAINER	BORG-WARNER	N/A	N/A	N/A	N/A	REPLACED	NO
RETAINER	BW/IP INTL.	209032	N/A	HT# 631363	1990	REPLACEMENT	NO
RETAINER	BORG-WARNER	N/A	N/A	N/A	N/A	REPLACED	NO
RETAINER	BW/IP INTL.	209033	N/A	HT# 631363	1990	REPLACEMENT	NO
CANOPY SEAL	BORG-WARNER	N/A	N/A	N/A	N/A	REPLACED	NO
CANOPY SEAL	BW/IP INTL.	197176-7	N/A	HT# 63537	1987	REPLACEMENT	NO
CANOPY SEAL	BORG-WARNER	N/A	N/A	N/A	N/A	REPLACED	NO
CANOPY SEAL	BW/IP INTL.	197176-9	N/A	HT# 63537	1987	REPLACEMENT	NO

7. Description of Work REDWILT VALVE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
Other Pressure 1100 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 N-2 REPORTS
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this COMPLIANCE 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] ISI Corp Ltd Date January 9, 1992
Owner or Owner's 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 IL and employed by HSI & I CO. of WHEELING, WV. have inspected the components described in this Owner's Report during the period 3-7-91 to 1-9-92, 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.

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

Date 1-9- 1992

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 11/21/91
Name
One First National Plaza Chicago, IL 60690 Sheet 2 of 2
Address
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1 Box 84 Braceville, IL 60407 NWR # 46790
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station Expiration Date Not Applicable
R.R. #1 Box 84
Address
4. Identification of System: FW FEED WATER
5. (a) Applicable Construction Code ASME SEC III 19 74 Edition, 575 Addenda NONE Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83/883
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 CYL	BWIP INTL.	5855	—	—	—	REPAIRED	NO
WELD WIRE	L-TEC	N/A	N/A	HT# 065573	N/A	REPAIR	NO
WELD WIRE	L-TEC	N/A	N/A	HT# 065496	N/A	REPAIR	NO

7. Description of Work PERFORM WELD REPAIR IN CYL SEAL AREA
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 1100 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 REPAIR 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] Date January 9 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 or Province of IL and employed by Hartford Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 3-7-91 to 1-9-92 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.

[Signature] Commissions IL # 1045
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-9 19 92

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 12-26-91
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 A45392
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station Expiration Date Not Applicable
R.R. #1 Box 84
Address
4. Identification of System FEED WATER
5. (a) Applicable Construction Code ASME SECT III CLASS 2 19 74 Edition, S 25 Addenda 416 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83/SB3
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
BONNET 2FW079B	N/A	N/A	N/A	N/A	N/A	REPLACED	NO
BONNET	BWIP INTERNATIONAL PUMP DIV.	212380-1	N/A	HT# 631363	1990	REPLACEMENT	NO

7. Description of Work REPLACED BONNET
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 1000 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)

D. Remark: 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 REPAIRMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Code Symbol Stamp NOT APPLICABLE

Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

[Signature] ISE G. 100 Date January 9, 1992
Owner or Owner's 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 IL and employed by HOBAS & S CO of HARTFORD CT have inspected the components described in this Owner's Report during the period 3-7-92 to 1-9-92, 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.

[Signature] Commissions: IL & CT
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-9 1992

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 11/4/91
Name
One First National Plaza Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit TWU
Name
R.R. #1 Box 84 Braceville, IL 60407 A46789
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station Expiration Date Not Applicable
R.R. #1 Box 84
Address
4. Identification of System FW / FRESH WATER
5. (a) Applicable Construction Code SAFETY CL. 2 1974 Edition 575 Addenda N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83/SB3
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CYLINDER BONNET	ROBE & BAKER	_____	_____	_____	_____	REPAIRED	_____
WRLD ROD	_____	HT #06546	_____	APR 5FA 518	_____	REPAIRED	_____

7. Description of Work WELD REPAIR OF STEAM LINES
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 1100 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 REPAIR 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 RF Lewis ISI-Grp Ldr Date January 9, 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 or Province of IL and employed by HARBOR & I CO. of HARTFORD CT. have inspected the components described in this Owner's Report during the period 3-7-91 to 1-9-92, 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.

[Signature] Commissions IL & NBS
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-9- 19 92

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 11-7-91
Name
One First National Plaza Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit TWO
Name
R.R. #1 Box 84 Braceville, IL 60407 NWR A41172
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station
R.R. #1 Box 84 Expiration Date Not Applicable
Address
4. Identification of System MAINSTEAM
5. (a) Applicable Construction Code CLASS 2 19 74 Edition, W75 Addenda N/A Code Case
SECT III
 (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)
<u>VLV BONNET</u>	<u>VELAN</u>	<u>N/A</u>	<u>N/A</u>	<u>WCD RD 1ST # 065496</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>N/A</u>

7. Description of Work _____
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VF-2
 Other Pressure 930 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 REPAIR 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] ISI Corp Ltd Date January 28, 1992
Owner or Owner's 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 ISI Corp Ltd of Wheat Ridge, IL have inspected the components described in this Owner's Report during the period 5-20-92 to 1-28-92, 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.

[Signature] Commissions IL-41025
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-28 19 92

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
Name

Date NOVEMBER 4, 1991

One First National Plaza
Address
Chicago, IL 60690

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name

Unit 2

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

NWR#A51077
Repair Organization P.O. No., Job No., etc.

3. Work Performed by The 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 REACTOR COOLANT

5. (a) Applicable Construction Code ASME Section III 1971 Edition, 1972 Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
2" 1500# GLDBE VALVE	KERDTEST MFG. CORP.	ML4-17	9162	EPH ZRC8088P	1976	REPLACED	YES
SA 479 F316 VALVE CAP	KERDTEST MFG. CORP.	AUL1-3	N/A	GRI#A91-02279	1991	REPLACEMENT	YES
WELD W. RG	N/A	N/A	N/A	HEAT # 74781	N/A	REPLACEMENT	NO

7. Description of Work REMOVE VALVE HANDLE AND INSTALL VALVE SEAL CAP ON VALVE ZRC8088P

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
Other Pressure 2250 psi Test Temp. 550 *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.

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FORM NIS-2 (Back)

9. Remarks SEE FORM N-2
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] ISS. Taylor Date December 8, 1991
Owner or Owner's 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 IL and employed by HOSPITAL CO. of HARTFORD CT. have inspected the components described in this Owner's Report during the period 10-22-91 to 12-19-91, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination 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 IL & IOWA
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-19- 1991

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 OCTOBER 23, 1991
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 # A46323
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station Expiration Date Not Applicable
R.R. #1 Box 84
Address
4. Identification of System REACTOR COOLANT SUPPORT SUB SYSTEM 2RC/2
5. (a) Applicable Construction Code ASME SECTION III 19 74 Edition, S74 Addenda NONE 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)
SIZE 1/4 SNUBBER	PSA	3276	N/A	EPN 2RC12061S	1977	REPLACED	YES
SIZE 1/4 SNUBBER	PSA	10351	N/A	BYRON ARR #8365 ORDER #E-82-774	1979	REPLACEMENT	YES

REPLACE SIZE 1/4 SNUBBER (S/N 3276) WITH NEW

7. Description of Work SIZE 1/4 SNUBBER (S/N 10351)
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure _____ psi Test Temp. _____ °F UT3/H

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 APPLICABLE

Certificate of Authorization No.

NOT APPLICABLE

Expiration Date

NOT APPLICABLE

Signed

[Signature]
Owner or Owner's Designee, Title

ISI-imp Wr

Date

December 18, 1971

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of IL and employed by HORRIGAN CO. of HARTFORD CT. have inspected the components described in this Owner's Report during the period 7-18-71 to 12-18-71, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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]
Inspector's Signature

Commissions

IL-1005
National Board, State, Province, and Endorsements

Date 12-18- 19 71

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
Name

Date October 28, 1991

One First National Plaza
Chicago, IL Address 60690

Sheet 1 of 1

2. Plant Braidwood Nuclear Power Station
Name

Unit 2

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

NWR# A48661
Repair Organization P.O. No., Job No., etc.

3. Work Performed by The 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 REACTOR COOLANT

5. (a) Applicable Construction Code ASME Section III 1971 Edition, w/72 Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
2" GLOBE VALVE	KEROTEST	HLA-25	9170	MRR# 10192	1976	REPLACED REMOVED	YES
2" GLOBE VALVE	KEROTEST	AMT 3-6	N/A	WESTINGHOUSE ID. NO. 2786	1989	REPLACEMENT	YES

7. Description of Work REPLACED VALVE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
Other Pressure 2250 psi Test Temp. 550 °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.

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FORM NIS-2 (Back)

9. Remarks SEE NPV-1 FORM
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] ISI Insp Ldr Date December 18, 1991
Owner or Owner's 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 IL and employed by Hartford CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 9-14-91 to 12-17-91, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 IL 1045
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-17-91 1991

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 11/15/91
Name
One First National Plaza Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit U-2
Name
R.R. #1 Box 94 Braceville, IL 60407 NWR A 44047
Address Repair Organization P.O. No., ob No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station Expiration Date Not Applicable
R.R. #1 Box 84
Address
4. Identification of System: REACTOR COOLANT
5. (a) Applicable Construction Code ASME B1 19 71 Edition, S 72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83/883
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 KIT CONSISTING OF	LUPES VULCAN	89-1-4	N/A	SIN 793E26 ORI A90-00601	1990	REPLACEMENT	
PLUG				P/N 166192			
STEM				P/N 137616			
ROLL PIN (NON-CODE)				P/N 148124			
CAGE				P/N 166117			

7. Description of Work _____
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT2
 Other Pressure 2250 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 ATTACHED
Copy of Vulcan N-2 & Associated CNTR'S (9 pages)
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 ME Sean ISI Corp Ldr Date December 6, 1991
Owner or Owner's 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 IL and employed by HOBAS + ICA of HARTFORD CT have inspected the components described in this Owner's Report during the period 12-4-91 to 12-6-91, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 person's injury or property damage or a loss of any kind arising from or connected with this inspection.

I. Williams Commissions IL & ICA
Inspector's Signature National Board, State, Province, and Endorsement:
Date 12-6 1991

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 NOVEMBER 4, 1991
Name
One First National Plaza
Address Chicago, IL 60690
 Sheet 1 of 1
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407
Address NWR#A 48665
Repair Organization P.O. No., Job No., etc.
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
Name
R.R. #1, Box 84, Braceville, IL 60407
Address Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME Section III 1971 Edition, W'72 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
2" 1500# GLOBE VALVE	KERDTEST MFG. CORP.	ML4-19	916A	EPN 2RCB075C	1976	REPLACED	YES
SA 479 F316 VALVE CAP	KERDTEST MFG. CORP.	AGJA-E	N/A	QAL#A51-02229 HT# 17990	1989	REPLACEMENT	YES
Weld Number FW-1	N/A	N/A	N/A	FR WELD WIRE	N/A	REPLACEMENT	NO

7. Description of Work INSTALL VALVE SEAL CAP ON VALVE 2RCB075C. REMOVE VALVE HANDLE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 psi Test Temp. 550 °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.

Doc #13

FORM NIS-2 (Back)

9. Remarks SEE FORM N-2
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] ISI Capital Date December 18 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 State or Province of IL and employed by HSTBZ I CO. of HARTFORD CT have inspected the components described in this Owner's Report during the period 9-8-91 to 12-15-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 IL-A 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-15-91 19 91

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 NOVEMBER 2, 1991
Name
One First National Plaza
Chicago, IL Address 60690
Address
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407
Address
Repair Organization P.O. No., Job No., etc.
NLR# A48667
3. Work Performed by The GN Venture Type Code Symbol Stamp Not Applicable
Name
R.R. #1, Box 84, Braceville, IL 60407
Address
 Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code Section III, 1971 Edition, S'72 Addenda None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
2RC80370	CONS-VULCAN	7310-95289-246 B	719	MREF 10193	1976	REPLACED	YES
TRIM SET	CONS-VULCAN	9021-96446-6-1	N/A	QRIF A90-01299	1990	REPLACEMENT	NO

7. Description of Work REPLACE TRIM SET
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 psi Test Temp. 550 °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)

3. Remarks

SEE ZRC-1 N-S REPORT

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repair 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] ISI-Corp Ltd Date December 18, 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 State or Province of IL and employed by HARTFORD CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 10-1-91 to 12-19-91, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 IL# 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-19- 19 91

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 NOVEMBER 4, 1991
Name
One First National Plaza
Chicago, IL Address 60690
 Sheet 1 of 1
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407
Address NWR#A 51079
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME Section III 1971 Edition, W'72 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
2" 1500# GILDE VALVE	KEROTEST MFG. CORP.	M9-17	316Z	EPN 2RCB067A	1976	REPLACED	YES
5A-479 F316 VALVE CAP	KEROTEST MFG. CORP.	AUL1-4	N/A	QRT#A91-02229	1991	REPLACEMENT	YES
WELD # FW-1	N/A	N/A	N/A	WELD ROD HEAT# 17990	N/A	REPLACEMENT	N/A

7. Description of Work REMOVE VALVE HANDLE AND INSTALL VALVE SEAL CAP ON VALVE 2RCB067A
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VI-2
 Other Pressure 2250 psi Test Temp. 550 °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.

Doc # 13

FORM NIS-2 (Back)

9. Remarks SEE FORM N-2
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] ISI Insp Ldr Date December 18, 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 State or Province of IL and employed by HOSPITALITY CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 10-23-91 to 12-19-91, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 IL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-19- 19 91

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 NOVEMBER 9, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NUR#A51060
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME Section III 1971 Edition, W7L Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repair, or Replacements 1983, 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)
2" 1500# GLOBE VALVE	KEROTEST MFG. CORP.	MLA-13	S158	EPN ZRC8067B	1976	REPLACED	YES
5A477 F316 VALVE CAP	KEROTEST MFG. CORP.	AUL1-5	N/A	QRI#A91-02229 H0AT#	1991	REPLACEMENT	YES
WORD WIRE	N/A	N/A	N/A	74781	N/A	REPLACEMENT	N/D

7. Description of Work REMOVE VALVE HANDLE AND INSTALL VALVE SEAL CAP ON VALVE ZRC8067B
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 psi Test Temp. 520 °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-2
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] ISI Corp Ldr Date December 18, 1991
Owner or Owner's 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 IL and employed by HARTFORD I & CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 10-23-91 to 12-19-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 IL-A 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-19-91 19 91

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 NOVEMBER 01, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NWR # ASIDE1
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME Section III 1971, Edition, W'72 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
2" 1500# GLOBE VALVE	KEROTEST MFG. CORP.	US 3-17	20533	EPN ZRCB063B	1977	REPLACED	YES
YOKE	KEROTEST MFG. CORP.	APN 3-2	N/A	GRK#AED 01E05	1989	REPLACEMENT	NO

7. Description of Work INSTALL NEW YOKE IN VALVE ZRCB063B
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 psi Test Temp. 530 °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-2
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 M. J. Gup Ldr Date December 18, 1991
Owner or Owner's 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 IL and employed by HSSI - I CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 10-22-91 to 12-18-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 IL & NB
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-18-1991

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 12-26-91
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 A48999
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station Expiration Date Not Applicable
R.R. #1 Box 84
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code SECTION III 1974 Edition, S'75 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 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)
ETCHED WIRE WIRE				RF# 89081 RF# 2410356		REPAIR	NO

7. Description of Work WIRDS W-1 & W-2 (A) BEARING OIL COOLER PIPE 23 R.C.P.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 psi Test Temp. 550 °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 NONE
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed [Signature] ISE Insp Wr Date January 9, 1992
Owner or Owner's 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 IL and employed by HOBAS I & CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 10-23-91 to 1-5-92, 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.

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

Date 1-9- 1992

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 11/19/91
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 B4 Braceville, IL 60407 NWR
Address A50413
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station Expiration Date Not Applicable
Address R.R. #1 Box B4
4. Identification of System RC
5. (a) Applicable Construction Code ASME CC-1 19 74 Edition S75 Addenda N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Re. Jts or Replacements 19 83/883
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)
STUD BOLTS	UNKNOWN	PGCO 2739	---	---	---	REPLACED	NO
NUTS	UNKNOWN	PGCO 2739	---	---	---	REPLACED	NO
STUD BOLTS	CARDINAL	---	---	HT# 61067	---	REPLACEMENT	NO
NUTS	CARDINAL	---	---	HT# C27729	---	REPLACEMENT	NO

7. Description of Work REPLACES STUD BOLTS & NUTS ON FLANGE JOINT.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 psi Test Temp. 550 *F VT-1

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 APPLICABLE
Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE
Signed M. Sean ISI GMA Ldr Date January 9 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 or Province of IL and employed by HARVEY & I CO of HARVEST FORTS, CT. have inspected the components described in this Owner's Report during the period 9-20-91 to 1-9-92, 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.

[Signature] Commissions II + 10BS
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-9- 19 92

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 10-18-91
Name
One First National Plaza Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit II
Name
R.R. #1 Box B4 Braceville, IL 60407 AS0939
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station Expiration Date Not Applicable
R.R. #1 Box B4
Address
4. Identification of System STEAM GENERATOR OUT BOARD SECONDARY MANWAY 2RC018B
5. (a) Applicable Construction Code SECTION III 10.71 Edition, Summer '72 Addenda _____ Code Case _____
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83/883
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)
SECONDARY MANWAY OUTBOARD	WESTINGHOUSE	70-9843-3	---	---	---	REPAIRED	NO
WELD WIRE	ALLOY RDS	---	---	HT# 89081 LT# 2A103A102	---	REPAIR	NO
SECONDARY MANWAY BOLT #1	WESTINGHOUSE	042	---	---	---	REPLACED	NO
SECONDARY MANWAY BOLT #1	WESTINGHOUSE	008	---	HT# 52779 SI# 213A77	1990	REPLACEMENT	NO

7. Description of Work REPAIRED STEAM CUT, REPLACED CLOSURE BOLT.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 psi Test Temp. 550 °F VT-1

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 REPAIR /

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] ISS - Inspector Date January 3, 19 82
Owner or Owner's 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 IL and employed by HARRIS & CO. of HARRISBURG CT have inspected the components described in this Owner's Report during the period 10-7-81 to 1-9-82, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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-1055
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-9-82 19 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 Date DECEMBER 23, 1991
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 A43713
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station Expiration Date Not Applicable
R.R. #1 Box 84
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code ASME § I 1971 Edition, W73 Addenda, NONE Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is B3/BB3
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)
STUD GASKET	BROOKS & WILCOX	89-15960-311	N/A	N/A	N/A	REPAIRMENT	No
CONCAVE WASHER	BROOKS & WILCOX	89-45960-318	N/A	N/A	N/A	REPAIRMENT	No
CONCAVE WASHER	BROOKS & WILCOX	89-35960-318	N/A	N/A	N/A	REPAIRMENT	No

7. Description of Work REPAIRED STUD #19 ON REACTOR HEAD FLANGE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 psi Test Temp. 550 °F VT-1

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)

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 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] Date January 9, 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 or Province of IL and employed by ILLINOIS ICI CO. of WILMINGTON, CA. have inspected the components described in this Owner's Report during the period 9-5-91 to 1-9-92, 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.

[Signature] Commissions IL - 10445
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-9- 19 92

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 7/9/90
One First National Name Plaza
Chicago, IL 60690 Address Sheet 1 of 2
2. Plant Braidwood Nuclear Power Station Unit #2
R.R. #1, Box 84 Name
Braceville, IL 60407 Address A34497
 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 Address Expiration Date NOT APPLICABLE
Braceville, IL 60407
4. Identification of System RC REACTOR COOLANT
5. (a) Applicable Construction Code Section III 1071 Edition W '72 Addenda None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements B3, 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)
LOWER SEAL	N/A	N/A	N/A	Lower Seal	N/A	REPLACED	NO
NORMAL BOLT				Hexing Bolts	N/A		
LOWER SEAL	Radform Tool Co	5614, 5774	N/A	Hex 1/2"	N/A	REPLACED	NO
NORMAL BOLT		5601, 5785	N/A	61469	N/A		

7. Description of Work REPLACED MECHANICAL SEALS/BOLTS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 2290 psi Test Temp. 557 °F DK20-90-180104
VT-1 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 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.

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed Michael E. Scanlon ISI-646 Date 6-12 19 91
 Owner or Owner's Designee, Title

CERTIFICATE OF IN-SERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of IL and employed by WASSER & SONS of WATERLOO, CT have inspected the components described in this Owner's Report during the period 2-22-91 to 11-20-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 A 1055
 Inspector's Signature National Board, State, Province, and Endorsements

Date 11-20-91 19 91

(12/82)
 This form is to be used for in-service inspections of components of a boiler or pressure vessel which are subject to the ASME Code, Section XI, and which are not covered by the ASME Code, Section VIII, Division 1, or the ASME Code, Section VIII, Division 2, or the ASME Code, Section VIII, Division 3, or the ASME Code, Section VIII, Division 4, or the ASME Code, Section VIII, Division 5, or the ASME Code, Section VIII, Division 6, or the ASME Code, Section VIII, Division 7, or the ASME Code, Section VIII, Division 8, or the ASME Code, Section VIII, Division 9, or the ASME Code, Section VIII, Division 10, or the ASME Code, Section VIII, Division 11, or the ASME Code, Section VIII, Division 12, or the ASME Code, Section VIII, Division 13, or the ASME Code, Section VIII, Division 14, or the ASME Code, Section VIII, Division 15, or the ASME Code, Section VIII, Division 16, or the ASME Code, Section VIII, Division 17, or the ASME Code, Section VIII, Division 18, or the ASME Code, Section VIII, Division 19, or the ASME Code, Section VIII, Division 20, or the ASME Code, Section VIII, Division 21, or the ASME Code, Section VIII, Division 22, or the ASME Code, Section VIII, Division 23, or the ASME Code, Section VIII, Division 24, or the ASME Code, Section VIII, Division 25, or the ASME Code, Section VIII, Division 26, or the ASME Code, Section VIII, Division 27, or the ASME Code, Section VIII, Division 28, or the ASME Code, Section VIII, Division 29, or the ASME Code, Section VIII, Division 30, or the ASME Code, Section VIII, Division 31, or the ASME Code, Section VIII, Division 32, or the ASME Code, Section VIII, Division 33, or the ASME Code, Section VIII, Division 34, or the ASME Code, Section VIII, Division 35, or the ASME Code, Section VIII, Division 36, or the ASME Code, Section VIII, Division 37, or the ASME Code, Section VIII, Division 38, or the ASME Code, Section VIII, Division 39, or the ASME Code, Section VIII, Division 40, or the ASME Code, Section VIII, Division 41, or the ASME Code, Section VIII, Division 42, or the ASME Code, Section VIII, Division 43, or the ASME Code, Section VIII, Division 44, or the ASME Code, Section VIII, Division 45, or the ASME Code, Section VIII, Division 46, or the ASME Code, Section VIII, Division 47, or the ASME Code, Section VIII, Division 48, or the ASME Code, Section VIII, Division 49, or the ASME Code, Section VIII, Division 50, or the ASME Code, Section VIII, Division 51, or the ASME Code, Section VIII, Division 52, or the ASME Code, Section VIII, Division 53, or the ASME Code, Section VIII, Division 54, or the ASME Code, Section VIII, Division 55, or the ASME Code, Section VIII, Division 56, or the ASME Code, Section VIII, Division 57, or the ASME Code, Section VIII, Division 58, or the ASME Code, Section VIII, Division 59, or the ASME Code, Section VIII, Division 60, or the ASME Code, Section VIII, Division 61, or the ASME Code, Section VIII, Division 62, or the ASME Code, Section VIII, Division 63, or the ASME Code, Section VIII, Division 64, or the ASME Code, Section VIII, Division 65, or the ASME Code, Section VIII, Division 66, or the ASME Code, Section VIII, Division 67, or the ASME Code, Section VIII, Division 68, or the ASME Code, Section VIII, Division 69, or the ASME Code, Section VIII, Division 70, or the ASME Code, Section VIII, Division 71, or the ASME Code, Section VIII, Division 72, or the ASME Code, Section VIII, Division 73, or the ASME Code, Section VIII, Division 74, or the ASME Code, Section VIII, Division 75, or the ASME Code, Section VIII, Division 76, or the ASME Code, Section VIII, Division 77, or the ASME Code, Section VIII, Division 78, or the ASME Code, Section VIII, Division 79, or the ASME Code, Section VIII, Division 80, or the ASME Code, Section VIII, Division 81, or the ASME Code, Section VIII, Division 82, or the ASME Code, Section VIII, Division 83, or the ASME Code, Section VIII, Division 84, or the ASME Code, Section VIII, Division 85, or the ASME Code, Section VIII, Division 86, or the ASME Code, Section VIII, Division 87, or the ASME Code, Section VIII, Division 88, or the ASME Code, Section VIII, Division 89, or the ASME Code, Section VIII, Division 90, or the ASME Code, Section VIII, Division 91, or the ASME Code, Section VIII, Division 92, or the ASME Code, Section VIII, Division 93, or the ASME Code, Section VIII, Division 94, or the ASME Code, Section VIII, Division 95, or the ASME Code, Section VIII, Division 96, or the ASME Code, Section VIII, Division 97, or the ASME Code, Section VIII, Division 98, or the ASME Code, Section VIII, Division 99, or the ASME Code, Section VIII, Division 100.

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 10/5/91
Name
One First National Plaza Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit TWO
Name
R.R. #1 Box B4 Braceville, IL 60407 A45325
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station Expiration Date Not Applicable
R.R. #1 Box B4
Address
4. Identification of System RHR
5. (a) Applicable Construction Code SAFETY CL. 2 19 71 Edition, W72 Addenda N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83/883

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>2R4870EA</u>	<u>CALIBY</u>	<u>26904-0249</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>REPAIR</u>	<u>YES</u>
<u>2R4870BA</u>	<u>CALIBY</u>	<u>W56906-057</u>	<u>N/A</u>	<u>ORIG. NO. 189-02499</u>	<u>71</u>	<u>REPLACEMENT</u>	<u>YES</u>

7. Description of Work REPLACE VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT2
 Other Pressure 375 psi Test Temp. 77.8 °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 VALVE DATA REPORT ATTACHED
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the 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] ISI Corp Ldr Date December 18 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 State or Province of IL and employed by HARRIS & SONS of HARRISBURG, CT, have inspected the components described in this Owner's Report during the period 5-22-91 to 12-19-91, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 IL # 1085
Inspector's Signature National Board, State, Province, and Endorsements
Date 12-19 19 91

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 NOVEMBER 2, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NLR# A40856
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System REACTOR COOLANT PRESSURIZER (RY)
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, 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)
<u>2RY045</u>	<u>Brown-Walsh</u>	<u>66446</u>	<u>N/A</u>	<u>M.I.R. 66462</u>	<u>1951</u>	<u>REPAIRED</u>	<u>Yes</u>
<u>Disc</u>	<u>Brown-Walsh</u>	<u>80618</u>	<u>N/A</u>	<u>P.O.# 28859</u>	<u>1989</u>	<u>REPLACED</u>	<u>Yes</u>

7. Description of Work REPLACE DISC WITH DISC (COP# 5155) FROM 400 VALVE.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2
 Other Pressure 2250 psi Test Temp. 530 °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 2RY-1 N-S FORM
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] ISS - Corp. Ltd. Date December 15, 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 State or Province of IL and employed by Hartford + I Co. of HARTFORD CT. have inspected the components described in this Owner's Report during the period 5-8-91 to 12-19-91, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 IL + 10000
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-19, 19 91

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 OCTOBER 20, 1971
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NWR# A4632L
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 8, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System STEAM GENERATOR BLOWDOWN SUPPORT SUBSYSTEM 25D06
5. (a) Applicable Construction Code ASME Section III 1974 Edition 574 Addenda None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1963, 8'83 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)
SIZE 1/4 SNUBBER	PSA	11279	N/A	EPN 25D060376	1960	REPLACED	YES
SIZE 1/4 SNUBBER	PSA	19655	N/A	BVNDI MAR#50223 ORDER#E-VV-10700	1977	REPLACEMENT	YES

REPLACE SIZE 1/4 SNUBBER (S/N 11279) WITH SIZE 1/4

7. Description of Work SNUBBER (1/4 19655)
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure UT 3/4
 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.

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 [Signature] ISI Complete Date December 18, 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 State or Province of IL and employed by HARVEY I I CO of HARVEY I I CT have inspected the components described in this Owner's Report during the period 7-17-91 to 12-19-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 IL # 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-19, 19 91

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 OCTOBER 16, 1991
Name
One First National Plaza
Chicago, IL Address 60690 Sheet 1 of 1
2. Plant Braidwood Nuclear Power Station Unit Z
Name
R.R. #1, Box 84, Braceville, IL 60407 NWR# 446363
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System STEAM GENERATOR BLOWDOWN SUPPORT SUBSYSTEM ZSD06
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S74 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 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)
SIZE 1/4 SNUBBER	PSA	7187	N/A	EPN* ZSD060305	1978	REPAIRED	YES
SIZE 1/4 SNUBBER	PSA	21617	N/A	EPN* 50918 EPN* 644-312	1977	REPLACEMENT	YES

REPLACE SIZE 1/4 PSA SNUBBER (S/N 7187) WITH

7. Description of Work SIZE 1/4 SNUBBER (S/N 21617)
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-3/4
 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.

Doc #16

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 MT Seaver ISI complete Date December 6, 1991
Owner or Owner's 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 IL and employed by 11003 TSI CO. of HANOVER, CT. have inspected the components described in this Owner's Report during the period 7-17-91 to 12-6-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 IL 41000
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-6-91 1991

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 OCTOBER 13, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
2. Plant Braidwood Nuclear Power Station Unit 2
Name
R.R. #1, Box 84, Braceville, IL 60407 NWR# A46317
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 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System SAFETY INJECTION SYSTEM SUPPORT SUBSYSTEM 25116
5. (a) Applicable Construction Code ASME Section III 1974 Edition, 274 Addenda None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, 8'83 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)
SIZE 1/4 SNUBBER	PSA	22589	N/A	ETN# 251160303	1982	REPLACED	YES
SIZE 1/4 SNUBBER	PSA	7015	N/A	MODEL# FBE 676 BYRON MNR# 7015A	1977	REPLACEMENT	YES

REPLACE PSA 1/4 SNUBBER (P/N 22589) WITH NEW

7. Description of Work PSA 1/4 SNUBBER (P/N 7015)
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 Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] ISS-Rep Ldr Date December 18, 1991
Owner or Owner's 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 IL and employed by H-TS & I Co. of HARTFORD CT. have inspected the components described in this Owner's Report during the period 7-19-91 to 12-17-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 D-1555
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-19- 1991

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 10-25-91
Name
One First National Plaza Chicago, IL 60690 Sheet 1 of 1
Address
2. Plant Braidwood Nuclear Power Station Unit Two
Name
R.R. #1 Box 84 Braceville, IL 60407 NWR # A46389
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Mechanical Maintenance Dept. Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
Braidwood Nuclear Power Station Expiration Date Not Applicable
R.R. #1 Box 84 Address
4. Identification of System SAFETY INJECTION (SI)
5. (a) Applicable Construction Code ASME SECT III 1982 Edition, 34 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)
PIN, WASHERS, RETAINING CLIPS	ITT GRINNELL	N/A	N/A	N/A	N/A	REPLACED	NO
PIN, WASHERS, RETAINING CLIPS	ITT GRINNELL	N/A	N/A	N/A	N/A	REPLACEMENT	NO

7. Description of Work REPLACED DAMAGED PIN, WASHERS, & RETAINING CLIPS WITH "LIKE FOR LIKE" REPLACEMENTS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure _____ psi Test Temp. _____ °F VT3/4
JJZ

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 APPLICABLE
Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE
Signed [Signature] ISI GIP Ltr Date December 18, 1991
Owner or Owner's 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 IL and employed by HARBIZ I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 7-18-91 to 12-17-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 # 1025
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-19- 19 91

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 OCTOBER 9, 1991
Name
One First National Plaza Sheet 1 of 1
Chicago, IL Address 60690
2. Plant Braidwood Nuclear Power Station Unit 1
Name
R. R. #1, Box 84, Braceville IL 60407 NWR#A46331
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by GN VENTURE Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
R. R. #1, Box 84, Braceville IL 60407 Expiration Date Not Applicable
Address
4. Identification of System SAFETY INJECTION SYSTEM SUPPORT
5. (a) Applicable Construction Code ASME III 19 74 Edition 5.74 Addenda None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983.5B3
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)
SUBBER ASSEMBLY	I T T GRWELL	6107	N/A	EPN 251100315		ROD END REPLACED	YES
ROD END	I T T. GRWELL	2822	N/A	EPN 1A4020182 MRR# 1895		REPLACEMENT	NO

7. Description of Work REPLACE ROD END WITH NEW ROD END
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure _____ psi Test Temp. _____ °F UT3/4

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. (add or replacement)

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] Date December 18, 1991
Owner or Owner's 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 IL and employed by H. J. ... Co. of Hawthorn ... CT have inspected the components described in this Owner's Report during the period 7-19-91 to 12-19-91 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME 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 # 10815
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-19- 19 91