

INSERVICE INSPECTION SUMMARY REPORT

ZION GENERATING STATION UNIT 2

Interval 2, Period 3, Outage 1

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Commonwealth Edison Company
Zion Generating Station
101 Shiloh Blvd.
Zion, IL 60099

Commercial Service Date: September 19, 1974
Outage Dates: October 24, 1992 through February 13, 1993

Commonwealth Edison Company
Zion Nuclear Power Station Unit #2
Inservice Inspection
Interval-2 Period-3 Outage-1
Examination Summary

INTRODUCTION

An inservice examination of Class 1, Class 2 and Class 3 components and piping was conducted at Zion Station Unit #2 from October 24, 1992 to February 13, 1993. The examinations were performed in accordance with an approved Examination Program Plan which was based on the 1980 Edition up to and including the Winter 1981 Addenda of the ASME Section XI Boiler and Pressure Vessel Code and is located under Tab C of the Final Report.

Also during this outage, eddy current examinations were conducted on 100% of the accessible tubes in each of the 4 steam generators in accordance with Plant Technical Specification 4.3.1.B.5.B. Eddy current results are filed as a separate report to the Nuclear Regulatory Commission and the Illinois Department of Nuclear Safety.

Examination procedures were approved prior to the examinations, and certification documents relative to personnel, equipment and materials were reviewed and determined to be satisfactory.

Additionally, as noted in the Owner's Data Report, repairs and replacements were accomplished during this outage and the appropriate preservice examinations were conducted as required.

Inspections, witnessing, and surveillance of the examinations and related activities were conducted by personnel from: The Nuclear Regulatory Commission, the Illinois Department of Nuclear Safety, the Hartford Steam Boiler Inspection and Insurance Company, and Zion Station Technical Staff.

RESULTS

Examinations based on the original Examination Program Plan, noted 50 recordable indication areas on the basis of procedure recording criteria which are generally more critical than specified Section XI acceptable criteria. The indications consisted of: (a) 1 surface, which was outside the Section XI acceptance criteria for a Class 2, Category C-C component; and (b) 49 visual, 25 of which were IWF components.

Subsequent implementation of the "Additional Examination" requirements of Section XI, IWC-2430 and IWF-2430, resulted in the examination of 15 additional Class 2 Category C-C components and 100% of the IWF components on each of the affected systems. These examinations resulted in 60 visual indications for IWF components.

All indications were evaluated and corrected or accepted as appropriate to maintain the integrity of the individual components.

Specific data relative to all of the indications noted above are located in Tab E, F, and J of the Final report which is retained at Zion Station.

EXAMINATIONS

Examinations were conducted to review as much of the specified surface/volume as reasonably practical. For some items, examinations (primarily volumetric) were limited by geometric, metallurgical, or design access restrictions as explained under LIMITATIONS.

LIMITATIONS

Metallurgical limitations are present primarily in the ultrasonic examinations of austenitic materials. These limitations, which are well documented in industry research literature, are due mostly to the large irregular shaped grain structure found in the microstructure of these materials. The anisotropic nature of these materials result in the unpredictable behavior of the ultrasonic beams. In these cases, the examinations are performed to the extent reasonably practical and the limitations are noted in the examination data sheets found in Tab D of the Final Report.

Some of the arrangements and details of the piping system and components were designed and fabricated before the access and examination requirements of Section XI of the 1971 Code could be applied. Consequently, some examinations are limited due to geometric configuration and/or design accessibility. Generally, these limitations exist at all fitting-to-fitting joints such as elbow to tee, elbow to valve, reducer to valve, etc., where geometry precludes optimum ultrasonic search unit contact or scanning distance from both sides of the weld.

In such instances, scanning was accomplished on 100% of the unobstructed surfaces. Additionally, a best effort attempt was made to scan on the irregular slopes and contours of fittings, and on or around permanent obstructions on the limiting side and on both sides of the weld in a best effort attempt to cover as much of the specified volume from as many directions as practical. However, the extent of coverage on the restricted side cannot be specifically quantified.

The resulting coverage was the maximum that was reasonably practical. The occurrence and cause of various limitations have been noted. Specific limitations and restrictions for all examinations are indicated on the examiner's data sheets, under Tab D of the Final Report.

RECENT PROGRAM DEVELOPMENTS

Zion Station is approaching the end of its second ten year ISI interval. The second ten year interval for Unit 2 will be extended as allowed by IWA-2400.

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS

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As required by the Provisions of the ASME Code Rules

1. Owner: Commonwealth Edison Co., P.O. Box 767, Chicago, IL 60690
 2. Plant: Zion Generating Station, 101 Shiloh Blvd., Zion, IL 60099
 3. Plant Unit: No. 2 4. Owner Certificate of Authorization: N/A
 5. Commercial Service Date: 09/19/74 6. National Board Number for Unit: N/A
 7. Components Inspected: See list below

*Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Class 1 Inspections				
B4.20 Pressurizer	Westinghouse	1440-C221	U123012	6866
B7.30 D S/G Bolting	Westinghouse	N/A	N/A	N/A
B7.30 B S/G Bolting	Westinghouse	N/A	N/A	N/A
B5.130 pipe welds	M. W. Kellogg	N/A	N/A	N/A
B9.11 pipe welds	M. W. Kellogg	N/A	N/A	N/A
B6.10 RV Nuts	B & W	N/A	N/A	N/A
B6.30 RV Studs	B & W	N/A	N/A	N/A
B7.70 valve bolting	M. W. Kellogg	N/A	N/A	N/A
B7.50 pipe bolting	M. W. Kellogg	N/A	N/A	N/A
B9.40 pipe welds	M. W. Kellogg	N/A	N/A	N/A
B10.10 Integral att.	M. W. Kellogg	N/A	N/A	N/A
B9.12 pipe welds	M. W. Kellogg	N/A	N/A	N/A
F1.10 Comp supports	M. W. Kellogg	N/A	N/A	N/A
B15.90 Class 1 leakage	N/A	N/A	N/A	N/A
Class 2 Inspections				
C1.30 A S/G weld	Westinghouse	1241	U123013	6855
C1.20 B S/G weld	Westinghouse	1243	U123014	6856
C1.10 Seal Wtr In Filter	Westinghouse	N/A	U125516	675
C5.31 pipe welds	M. W. Kellogg	N/A	N/A	N/A
C5.21 pipe welds	M. W. Kellogg	N/A	N/A	N/A
C3.20 Integral att	M. W. Kellogg	N/A	N/A	N/A
C5.11 pipe welds	M. W. Kellogg	N/A	N/A	N/A
C5.22 pipe welds	M. W. Kellogg	N/A	N/A	N/A
C3.30 Integral att	Pacific	N/A	N/A	N/A
F1.10 Comp supports	M. W. Kellogg	N/A	N/A	N/A

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7. Components Inspected: See list below

*Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Class 2 Inspections (cont'd)				
C7.30 MS leakage	Various	N/A	N/A	N/A
C7.30 FW leakage	Various	N/A	N/A	N/A
C7.30 CS leakage	Various	N/A	N/A	N/A
C7.30 BD leakage	Various	N/A	N/A	N/A
C7.30 VC leakage	Various	N/A	N/A	N/A
C7.30 RH leakage	Various	N/A	N/A	N/A
C7.30 SI leakage	Various	N/A	N/A	N/A
C7.30 SS leakage	Various	N/A	N/A	N/A

Class 1 Repairs/Replacements:

Remove SIRS-2031	Bechtel	N/A	N/A	N/A
Replace RCRS-2165	Bechtel	N/A	N/A	N/A
Replace RCFR-216 w strut	Bechtel	N/A	N/A	N/A
Replace SIRS-2004	Bechtel	N/A	N/A	N/A
Replace SIRS-2121	Bechtel	N/A	N/A	N/A
Remove SIRS-2109	Bechtel	N/A	N/A	N/A
Replace 2RC8083B	Bechtel	N/A	N/A	N/A
Replace SIRS-2108	Bechtel	N/A	N/A	N/A
Replace 2RC001 (stud)	CECO	N/A	N/A	N/A
Replace 2LCVRC-460 bolts	CECO	N/A	N/A	N/A
Replace 2RC8010B bolts	Bechtel	N/A	N/A	N/A
Replace 2VC8379A bolting	Bechtel	N/A	N/A	N/A
Sleeve 2RC100 tubes	C-E	N/A	N/A	N/A
Sleeve 2RC200 tubes	C-E	N/A	N/A	N/A
Plug 2RC100 tubes	C-E	N/A	N/A	N/A

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5. Commercial Service Date: 9/19/94 6. National Board Number for Unit: N/A
7. Components Inspected: See list below

*Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Class 1 Repairs/Replacements (cont'd):				
Plug 2RC200 tubes	C-E	N/A	N/A	N/A
Plug 2RC300 tubes	C-E	N/A	N/A	N/A
Plug 2RC400 tubes	C-E	N/A	N/A	N/A
Replace 2RC100 plugs	C-E	N/A	N/A	N/A
Replace 2RC200 plugs	C-E	N/A	N/A	N/A
Replace 2RC300 plugs	C-E	N/A	N/A	N/A
Replace 2RC400 plugs	C-E	N/A	N/A	N/A
Replace 2RC8074A leakoff	Bechtel	N/A	N/A	N/A
Replace 2SI-127 bolts	Bechtel	N/A	N/A	N/A
Replace 2RC8085 leakoff	Bechtel	N/A	N/A	N/A
Remove SIRS-2112	Bechtel	N/A	N/A	N/A
Remove SIRS-2119	Bechtel	N/A	N/A	N/A
Remove SIRS-2118	Bechtel	N/A	N/A	N/A
Remove SIRS-2117	Bechtel	N/A	N/A	N/A
Remove SIRS-2123B	Bechtel	N/A	N/A	N/A
Remove SIRS-2043	Bechtel	N/A	N/A	N/A
Remove SIRS-2123	Bechtel	N/A	N/A	N/A
Remove SIRS-2060	Bechtel	N/A	N/A	N/A
Remove SIRS-2039	Bechtel	N/A	N/A	N/A
Remove RCRS-2005	Bechtel	N/A	N/A	N/A
Remove SIRS-2307	Bechtel	N/A	N/A	N/A
Replace SIRS-2122	Bechtel	N/A	N/A	N/A
Replace RCRS-2021	Bechtel	N/A	N/A	N/A
Replace 2AS-19	Bechtel	N/A	N/A	N/A
Replace SIRS-2035	Bechtel	N/A	N/A	N/A
Remove SIRS-2034	Bechtel	N/A	N/A	N/A
Replace SIRS-2032	Bechtel	N/A	N/A	N/A

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*Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Class 1 Repairs/Replacements (cont'd):				
Replace SIRS-2015	Bechtel	N/A	N/A	N/A
Replace 2RC8035	Bechtel	N/A	N/A	N/A
Replace 2RC400 bolts	Bechtel	N/A	N/A	N/A
Replace 2RC300 bolts	Bechtel	N/A	N/A	N/A
Replace 2RC142-SR4 bolts	Bechtel	N/A	N/A	N/A
Class 2 Repairs/Replacements				
Remove SIRS-2374B	Bechtel	N/A	N/A	N/A
Remove BDRS-2028	Bechtel	N/A	N/A	N/A
Replace CSRS-2011	Bechtel	N/A	N/A	N/A
Remove SIRS-2366	Bechtel	N/A	N/A	N/A
Remove BDRS-2029	Bechtel	N/A	N/A	N/A
Remove BDRS-2006	Bechtel	N/A	N/A	N/A
Remove SIRS-2370	Bechtel	N/A	N/A	N/A
Remove SIRS-2369	Bechtel	N/A	N/A	N/A
Remove SIRS-2037	Bechtel	N/A	N/A	N/A
Remove SIRS-2205	Bechtel	N/A	N/A	N/A
Remove BDRS-2035	Bechtel	N/A	N/A	N/A
Replace SIRS-2357	Bechtel	N/A	N/A	N/A
Replace BDRS-2041A	Bechtel	N/A	N/A	N/A
Replace SIRS-2358	Bechtel	N/A	N/A	N/A
Replace SIRS-2221	Bechtel	N/A	N/A	N/A
Replace SIRS-2222	Bechtel	N/A	N/A	N/A
Remove SIRS-2373	Bechtel	N/A	N/A	N/A
Replace 2MSRS-150-19	Bechtel	N/A	N/A	N/A
Replace SIRS-2373A	Bechtel	N/A	N/A	N/A
Remove BDRS-2036	Bechtel	N/A	N/A	N/A
Remove SIRS-2372	Bechtel	N/A	N/A	N/A

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Class 2 Repairs/Replacements (cont'd):				
Remove SIRS-2363	Bechtel	N/A	N/A	N/A
Replace FWRS-205	Bechtel	N/A	N/A	N/A
Replace MSRS-209	Bechtel	N/A	N/A	N/A
Remove BDRS-2052A	Bechtel	N/A	N/A	N/A
Remove BDRS-2052	Bechtel	N/A	N/A	N/A
Remove BDRS-2069	Bechtel	N/A	N/A	N/A
Remove BDRS-2058	Bechtel	N/A	N/A	N/A
Remove BDRS-2074	Bechtel	N/A	N/A	N/A
Remove BDRS-2076	Bechtel	N/A	N/A	N/A
Remove BDRS-2071A	Bechtel	N/A	N/A	N/A
Remove BDRS-2066	Bechtel	N/A	N/A	N/A
Remove BDRS-2078	Bechtel	N/A	N/A	N/A
Remove BDRS-2010	Bechtel	N/A	N/A	N/A
Remove BDRS-2020	Bechtel	N/A	N/A	N/A
Replace SIRS-2351	Bechtel	N/A	N/A	N/A
Replace CSRS-2010	Bechtel	N/A	N/A	N/A
Replace BDRS-1770	Bechtel	N/A	N/A	N/A
Replace CSRS-2014	Bechtel	N/A	N/A	N/A
Replace CSRS-2015	Bechtel	N/A	N/A	N/A
Replace MSRS-217	Bechtel	N/A	N/A	N/A
Remove BDRS-2059	Bechtel	N/A	N/A	N/A
Remove CSRS-2004	Bechtel	N/A	N/A	N/A
Remove CSRS-2005	Bechtel	N/A	N/A	N/A
Remove SIRS-2365	Bechtel	N/A	N/A	N/A
Remove VC-219-S4	Bechtel	N/A	N/A	N/A
Remove BDRS-2056	Bechtel	N/A	N/A	N/A

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Class 2 Repairs/Replacements (cont'd):				
Remove BDRS-2057	Bechtel	N/A	N/A	N/A
Remove BDRS-2051	Bechtel	N/A	N/A	N/A
Replace 2MSRS-150-05	Bechtel	N/A	N/A	N/A
Remove BDRS-2007A	Bechtel	N/A	N/A	N/A
Remove BDRS-2015A	Bechtel	N/A	N/A	N/A
Remove BDRS-2016	Bechtel	N/A	N/A	N/A
Remove BDRS-2015	Bechtel	N/A	N/A	N/A
Remove BDRS-2008	Bechtel	N/A	N/A	N/A
Replace VC-279-S10	Bechtel	N/A	N/A	N/A
Remove BDRS-2033	Bechtel	N/A	N/A	N/A
Remove BDRS-2007	Bechtel	N/A	N/A	N/A
Replace SIRS-2234	Bechtel	N/A	N/A	N/A
Replace VCRS-2465	Bechtel	N/A	N/A	N/A
Replace VCRS-2463	Bechtel	N/A	N/A	N/A
Replace VC-279-S6	Bechtel	N/A	N/A	N/A
Replace BDRS-2031	Bechtel	N/A	N/A	N/A
Replace VC-279-S8	Bechtel	N/A	N/A	N/A
Replace BDRS-2014	Bechtel	N/A	N/A	N/A
Replace BDRS-2023	Bechtel	N/A	N/A	N/A
Replace 2MSRS-150-03	Bechtel	N/A	N/A	N/A
Replace 2MSRS-150-08	Bechtel	N/A	N/A	N/A
Replace BDRS-2082	Bechtel	N/A	N/A	N/A
Replace BDRS-2027	Bechtel	N/A	N/A	N/A
Remove BDRS-2009	Bechtel	N/A	N/A	N/A
Remove BDRS-2017	Bechtel	N/A	N/A	N/A
Remove BDRS-2034	Bechtel	N/A	N/A	N/A
Replace 2VC109-ES2	Bechtel	N/A	N/A	N/A

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Class 2 Repairs/Replacements (cont'd):				
Replace 2VC109-ES1	Bechtel	N/A	N/A	N/A
Replace VC-279-S2	Bechtel	N/A	N/A	N/A
Replace SIRS-2359	Bechtel	N/A	N/A	N/A
Replace BDRS-2006A	Bechtel	N/A	N/A	N/A
Replace BDRS-2075	Bechtel	N/A	N/A	N/A
Remove BDRS-2068	Bechtel	N/A	N/A	N/A
Replace VCRS-2464	Bechtel	N/A	N/A	N/A
Replace CSRS-2016	Bechtel	N/A	N/A	N/A
Replace CSRS-2017	Bechtel	N/A	N/A	N/A
Remove SIRS-2367	Bechtel	N/A	N/A	N/A
Remove BDRS-2047	Bechtel	N/A	N/A	N/A
Replace BDRS-2002	Bechtel	N/A	N/A	N/A
Replace SIRS-2234A	Bechtel	N/A	N/A	N/A
Replace MSRS-207	Bechtel	N/A	N/A	N/A
Replace VC-278-S3	Bechtel	N/A	N/A	N/A
Replace FWRS-204	Bechtel	N/A	N/A	N/A
Replace VC-279-S3	Bechtel	N/A	N/A	N/A
Replace VC-279-S4	Bechtel	N/A	N/A	N/A
Replace VCRS-2025	Bechtel	N/A	N/A	N/A
Replace SIRS-2361	Bechtel	N/A	N/A	N/A
Replace BDRS-2048	Bechtel	N/A	N/A	N/A
Replace BDRS-2050	Bechtel	N/A	N/A	N/A
Replace BDRS-2055	Bechtel	N/A	N/A	N/A
Replace BDRS-2067	Bechtel	N/A	N/A	N/A
Replace FWRS-201	Bechtel	N/A	N/A	N/A
Replace VC-278-S2	Bechtel	N/A	N/A	N/A

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Class 2 Repairs/Replacements (cont'd):				
Replace BDRS-2040	Bechtel	N/A	N/A	N/A
Replace MSRS-204	Bechtel	N/A	N/A	N/A
Replace MSRS-202	Bechtel	N/A	N/A	N/A
Replace CSRS-2004A	Bechtel	N/A	N/A	N/A
Replace BDRS-2046	Bechtel	N/A	N/A	N/A
Replace VC-219-S2	Bechtel	N/A	N/A	N/A
Replace SIRS-2368	Bechtel	N/A	N/A	N/A
Replace VC-219-S1	Bechtel	N/A	N/A	N/A
Replace VC-219-S6	Bechtel	N/A	N/A	N/A
Replace 2VC131 bolting	CECO	N/A	N/A	N/A
Replace 2RH8726A bolting	Bechtel	N/A	N/A	N/A
Replace 2SI-FE970 bolting	Bechtel	N/A	N/A	N/A
Replace 2SI-FE971 bolting	Bechtel	N/A	N/A	N/A
Replace 2SI-FE934 bolting	Bechtel	N/A	N/A	N/A
Install 2FT-183	Bechtel	N/A	N/A	N/A
Replace 2RH8726B bolting	Bechtel	N/A	N/A	N/A
Replace 2CS0003 bolting	CECO	N/A	N/A	N/A
Install 2E005	Bechtel	N/A	N/A	N/A
Install 2E036	Bechtel	N/A	N/A	N/A
Replace VCRS-2800	Bechtel	N/A	N/A	N/A
Replace VCRS-2802	Bechtel	N/A	N/A	N/A
Replace VCRS-2801	Bechtel	N/A	N/A	N/A
Remove 2SIRS-2340	Bechtel	N/A	N/A	N/A
Replace VC-220-S1	Bechtel	N/A	N/A	N/A
Replace MSRS-216 w strut	Bechtel	N/A	N/A	N/A
Replace MSRS-212	Bechtel	N/A	N/A	N/A
Replace 2VC8119	Bechtel	N/A	N/A	N/A

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Class 2 Repairs/Replacements (cont'd):				
Replace 2VC090-3"	Bechtel	N/A	N/A	N/A
Repair 2BDRS-2053	Bechtel	N/A	N/A	N/A
Repair SIRS-2211	Bechtel	N/A	N/A	N/A
Replace 2SI8853	Bechtel	N/A	N/A	N/A
Replace 2VC006	CECO	N/A	N/A	N/A
Replace 2RHRS-1126	Bechtel	N/A	N/A	N/A
Replace 2VC8481B bolts	Bechtel	N/A	N/A	N/A
Replace MSRS-203	Bechtel	N/A	N/A	N/A
Replace MSRS-215	Bechtel	N/A	N/A	N/A
Replace SIRS-2371	Bechtel	N/A	N/A	N/A
Replace 2SI8855B	CECO	N/A	N/A	N/A
Replace 2SI8855C	CECO	N/A	N/A	N/A
Replace 2SI8856A	CECO	N/A	N/A	N/A
Replace 2SI8857	CECO	N/A	N/A	N/A
Replace 2SI8855A	CECO	N/A	N/A	N/A
Replace 2CS0021 bolting	Bechtel	N/A	N/A	N/A
Replace 2SI9030	Bechtel	N/A	N/A	N/A
Replace 2RH8708	Bechtel	N/A	N/A	N/A
Replace RH8709	Bechtel	N/A	N/A	N/A
Replace 2SI9031	Bechtel	N/A	N/A	N/A
Replace 2SI8856B	Bechtel	N/A	N/A	N/A
Replace 2SI-FE127 bolting	Bechtel	N/A	N/A	N/A
Repair 2RC300 manway	C-E	N/A	N/A	N/A
Replace 2MS0015 bolting	Bechtel	N/A	N/A	N/A
Replace 2MS0031 bolting	Bechtel	N/A	N/A	N/A
Replace 2MS0030 bolting	Bechtel	N/A	N/A	N/A

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS

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As required by the Provisions of the ASME Code Rules

1. Owner: Commonwealth Edison Co., P.O. Box 767, Chicago, IL 60690
2. Plant: Zion Generating Station, 101 Shiloh Blvd., Zion, IL 60099
3. Plant Unit: No. 2 4. Owner Certificate of Authorization: N/A
5. Commercial Service Date: 9/19/74 6. National Board Number for Unit: N/A
7. Components Inspected: See list below

*Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Class 2 Repairs/Replacements (cont'd):				
Replace 2MS0027 bolting	Bechtel	N/A	N/A	N/A
Replace 2MS0028 bolting	Bechtel	N/A	N/A	N/A
Replace 2MS0025 bolting	Bechtel	N/A	N/A	N/A
Replace 2MS0033 bolting	Bechtel	N/A	N/A	N/A
Replace 2MS0029 bolting	Bechtel	N/A	N/A	N/A
Replace 2MS0026 bolting	Bechtel	N/A	N/A	N/A
Replace 2MS0023 bolting	Bechtel	N/A	N/A	N/A
Replace 2MS0020 bolting	Bechtel	N/A	N/A	N/A
Replace 2MS0021 bolting	Bechtel	N/A	N/A	N/A
Replace 2MS0018 bolting	Bechtel	N/A	N/A	N/A
Repair 2MS0018	Bechtel	N/A	N/A	N/A
Replace BDRS-2045	Bechtel	N/A	N/A	N/A
Replace BDRS-2044	Bechtel	N/A	N/A	N/A

FORM NIS-1 (back)

8. Examination Dates 10/24/92 to 02/13/93 9. Inspection Interval from 09/19/84 to 09/19/94
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.
Reference Tab B and Tab C
11. Abstract of Conditions Noted.
Reference Tab B
12. Abstract of Corrective Measures Recommended and Taken
Reference Tab B

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

Date May 12 19 93 Signed Commonwealth Edison Company By T.P. Joyce
Owner Station Manager

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

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Illinois and employed by HSBI & I of Hartford, CT have inspected the components described in this Owners' Data Report during the period 10/24/92 to 02/13/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

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

Date May 19 19 93

L. J. Oakley
Inspector's Signature

Commissions

903

National Board, State, Province and No.



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COMMONWEALTH EDISON COMPANY
ZION NUCLEAR PLANT UNIT #2
INSERVICE INSPECTION
INTERVAL-2 PERIOD-3 OUTAGE-1
**** FINAL ****

All items and areas listed below were examined as indicated, in accordance with the requirements of the plant Technical Specifications Section 4.3, which is based on the 1980 Edition, Section XI of the ASME Boiler and Pressure Vessel Code up to and including Winter, 1981 Addenda.

LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	

***** RV--CLOSURE BOLTING *****

1	B6.10	1-1400	N48		70		
2	B6.10	1-1400	N49		70		
3	B6.10	1-1400	N50		70		
4	B6.10	1-1400	N51		70		
5	B6.10	1-1400	N52		70		
6	B6.10	1-1400	N53		70		
7	B6.10	1-1400	N54		70		
8	B6.30	1-1400	S37		70		2
9	B6.30	1-1400	S37			8/V1	2
10	B6.30	1-1400	S38		70		2
11	B6.30	1-1400	S38			8/V1	2
12	B6.30	1-1400	S40		70		2
13	B6.30	1-1400	S40			8/V1	2



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
14	B6.30	1-1400	S41		70		2
15	B6.30	1-1400	S41			8/V1	2
16	B6.30	1-1400	S42		70		2
17	B6.30	1-1400	S42			8/V1	2
18	B6.30	1-1400	S45		70		2
19	B6.30	1-1400	S45			8/V1	2
20	B6.30	1-1400	S48		70		2
21	B6.30	1-1400	S48			8/V1	2
22	B6.30	1-1400	S49		70		2
23	B6.30	1-1400	S49			8/V1	2
24	B6.30	1-1400	S50		70		2
25	B6.30	1-1400	S50			8/V1	2
26	B6.30	1-1400	S51		70		2
27	B6.30	1-1400	S51			8/V1	2
28	B6.30	1-1400	S52		70		2
29	B6.30	1-1400	S52			8/V1	2
30	B6.30	1-1400	S53		70		2
31	B6.30	1-1400	S53			8/V1	2
32	B6.30	1-1400	S54		70		2
33	B6.30	1-1400	S54			8/V1	
34	B6.50	1-1400	W48			8/V1	
35	B6.50	1-1400	W49			8/V1	



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE		MSG
				VOL	SUR	
36	B6.50	1-1400	W50			8/V1
37	B6.50	1-1400	W51			8/V1
38	B6.50	1-1400	W52			8/V1
39	B6.50	1-1400	W53			8/V1
40	B6.50	1-1400	W54			8/V1

***** PRESSURIZER *****

41	B4.20	1-2100	HEATER PEN.			VT-2
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***** STEAM GENERATORS *****

42	B7.30	1-3100	3-B01			8/V1
43	B7.30	1-3100	3-B02			8/V1
44	B7.30	1-3100	3-B03			8/V1
45	B7.30	1-3100	3-B04			8/V1
46	B7.30	1-3100	3-B05			8/V1
47	B7.30	1-3100	3-B06			8/V1
48	B7.30	1-3100	3-B07			8/V1
49	B7.30	1-3100	3-B08			8/V1
50	B7.30	1-3100	3-B09			8/V1
51	B7.30	1-3100	3-B10			8/V1
52	B7.30	1-3100	3-B11			8/V1
53	B7.30	1-3100	3-B12			8/V1
54	B7.30	1-3100	3-B13			8/V1



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
55	B7.30	1-3100	3-B14			8/V1	
56	B7.30	1-3100	3-B15			8/V1	
57	B7.30	1-3100	3-B16			8/V1	
58	B7.30	1-3100	3-B17			8/V1	
59	B7.30	1-3100	3-B18			8/V1	
60	B7.30	1-3100	3-B19			8/V1	
61	B7.30	1-3100	3-B20			8/V1	
62	B7.30	1-3100	3-B21			8/V1	
63	B7.30	1-3100	3-B22			8/V1	
64	B7.30	1-3100	3-B23			8/V1	
65	B7.30	1-3100	3-B24			8/V1	
66	B7.30	1-3100	3-B25			8/V1	
67	B7.30	1-3100	3-B26			8/V1	
68	B7.30	1-3100	3-B27			8/V1	
69	B7.30	1-3100	3-B28			8/V1	
70	B7.30	1-3100	3-B29			8/V1	
71	B7.30	1-3100	3-B30			8/V1	
72	B7.30	1-3100	3-B31			8/V1	
73	B7.30	1-3100	3-B32			8/V1	
74	B7.30	1-3100	4-B01			8/V1	
75	B7.30	1-3100	4-B02			8/V1	
76	B7.30	1-3100	4-B03			8/V1	



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
77	B7.30	1-3100	4-B04			8/V1	
78	B7.30	1-3100	4-B05			8/V1	
79	B7.30	1-3100	4-B06			8/V1	
80	B7.30	1-3100	4-B07			8/V1	
81	B7.30	1-3100	4-B08			8/V1	
82	B7.30	1-3100	4-B09			8/V1	
83	B7.30	1-3100	4-B10			8/V1	
84	B7.30	1-3100	4-B11			8/V1	
85	B7.30	1-3100	4-B12			8/V1	
86	B7.30	1-3100	4-B13			8/V1	
87	B7.30	1-3100	4-B14			8/V1	
88	B7.30	1-3100	4-B15			8/V1	
89	B7.30	1-3100	4-B16			8/V1	
90	B7.30	1-3100	4-B17			8/V1	
91	B7.30	1-3100	4-B18			8/V1	
92	B7.30	1-3100	4-B19			8/V1	
93	B7.30	1-3100	4-B20			8/V1	
94	B7.30	1-3100	4-B21			8/V1	
95	B7.30	1-3100	4-B22			8/V1	
96	B7.30	1-3100	4-B23			8/V1	
97	B7.30	1-3100	4-B24			8/V1	
98	B7.30	1-3100	4-B25			8/V1	



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
99	B7.30	1-3100	4-B26			8/V1	
100	B7.30	1-3100	4-B27			8/V1	
101	B7.30	1-3100	4-B28			8/V1	
102	B7.30	1-3100	4-B29			8/V1	
103	B7.30	1-3100	4-B30			8/V1	
104	B7.30	1-3100	4-B31			8/V1	
105	B7.30	1-3100	4-B32			8/V1	

***** PRIMARY LOOP PIPING *****

106	B5.130	1-4100	1	206			
107	B5.130	1-4100	1		11		

***** PRIMARY LOOP PIPING *****

108	B5.130	1-4200	16	206			
109	B5.130	1-4200	16		11		

***** RTD RETURN-3"/160 & 4"/120 *****

110	BF1.10	1-4205	H2			8/V3	
111	BF1.10	1-4205	H4			8/V3	
112	BF1.10	1-4205	H6			8/V3	
113	BF1.10	1-4205	H8			8/V3	
114	BF1.10	1-4205	H9			8/V3	



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LINE	CODE	COM	EXAMINATION	EXAMINATION			
NUMB	ITEM	SKETCH	ITEM/AREA	PROCEDURE	VOL	SUR	VIS
		REF					MSG

***** PRESS. EQUALIZATION-1.5"/160 *****

115	BF1.10	1-4214	H1				8/V3
116	BF1.10	1-4214	H4				8/V3

***** ACCUM. S.I.S.-10"/160 *****

117	B9.11	1-4301	8	206			
118	B9.11	1-4301	8			11	
119	B9.11	1-4301	9	206			
120	B9.11	1-4301	9			11	
121	B9.11	1-4301	10	206			
122	B9.11	1-4301	10			11	
123	B7.70	1-4301	8948C-BOL				8/V1
124	B7.70	1-4301	8956C-BOL				8/V1

***** RHR HOT LEG-8"/140 *****

125	B10.10	1-4302	H7(W)			11	
126	B7.70	1-4302	8736B-BOL				8/V1
127	B7.70	1-4302	8949B-BOL				8/V1

***** RHR COLD LEG-8"/140 *****

128	B9.11	1-4303	28	206			
129	B9.11	1-4303	28			11	
130	B9.11	1-4303	29	206			



LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
131	B9.11	1-4303	29		11		
132	B9.11	1-4303	30	206			
133	B9.11	1-4303	30		11		
134	B9.11	1-4303	31	206			
135	B9.11	1-4303	31		11		
136	B9.11	1-4303	32	206			
137	B9.11	1-4303	32		11		
138	B9.11	1-4303	33	206			
139	B9.11	1-4303	33		11		
140	B9.11	1-4303	34	206			
141	B9.11	1-4303	34		11		
142	B9.11	1-4303	35	206			
143	B9.11	1-4303	35		11		
144	B9.11	1-4303	36	206			
145	B9.11	1-4303	36		11		
146	B7.70	1-4303	9001C-BOL			8/V1	
147	B7.70	1-4303	9002C-BOL			8/V1	
148	B7.50	1-4303	FLG-1-BOL			8/V1	
***** BY PASS 8"/140 *****							
149	B7.70	1-4304	8003C-BOL			8/V1	



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LINE	CODE	COM	EXAMINATION	EXAMINATION			
NUMB	ITEM	SKETCH	ITEM/AREA	PROCEDURE	VOL	SUR	VIS
		REF					MSG

***** RTD RETURN-3"/160 & 4"/120 *****

150	B7.70	1-4305	8073C-BOL				8/V1
151	B7.70	1-4305	8074C-BOL				8/V1
152	B7.70	1-4305	8075C-BOL				8/V1
153	B7.50	1-4305	FLG-1-BOL				8/V1
154	B7.50	1-4305	FLG-2-BOL				8/V1
155	B7.50	1-4305	FLG-3-BOL				8/V1

***** SIS-2"/160 & 4"/120 *****

156	B7.70	1-4306	8905A-BOL				8/V1
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***** RTD TAKE-OFF H.L.-2"/160 *****

157	B9.40	1-4307	1			11
158	B9.40	1-4307	2			11
159	B9.40	1-4307	3			11
160	B9.40	1-4307	4			11
161	B9.40	1-4307	5			11
162	B9.40	1-4307	6			11
163	B9.40	1-4307	7			11
164	B9.40	1-4307	8			11
165	B9.40	1-4307	9			11
166	B9.40	1-4307	10			11
167	B9.40	1-4307	11			11



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE VOL SUR VIS	MSG
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***** PRESS. EQUALIZATION-1.5"/160 *****

182	B7.70	1-4312	8090C-BOL	8/V1	
183	B7.50	1-4312	FLG-1-BOL	8/V1	

***** SIS BIT LINE-1.5"/160 *****

184	B7.70	1-4314	8800C-BOL	8/V1	
185	B7.70	1-4314	8810C-BOL	8/V1	

***** PRIMARY LOOP PIPING *****

186	B5.130	1-4400	5	206	
187	B5.130	1-4400	5		11
188	B5.130	1-4400	6	206	
189	B5.130	1-4400	6		11
190	B9.11	1-4400	8	206	
191	B9.11	1-4400	8		11
192	B9.11	1-4400	11	206	
193	B9.11	1-4400	11		11
194	B5.130	1-4400	16	206	
195	B5.130	1-4400	16		11
196	B9.12	1-4400	17	206	
197	B9.12	1-4400	17		11
198	B9.12	1-4400	18	206	
199	B9.12	1-4400	18		11



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
200	B9.12	1-4400	19	206			
201	B9.12	1-4400	19		11		
202	B9.12	1-4400	20	206			
203	B9.12	1-4400	20		11		

***** ACCUM. S.I.S.-10"/160 *****

204	B9.11	1-4401	8	206			
205	B9.11	1-4401	8		11		
206	B9.11	1-4401	9	206			
207	B9.11	1-4401	9		11		
208	B9.11	1-4401	10	206			
209	B9.11	1-4401	10		11		
210	B9.11	1-4401	11	206			
211	B9.11	1-4401	11		11		
212	B10.10	1-4401	H3(W)		11		
213	B7.70	1-4401	8948D-BOL			8/V1	
214	B7.70	1-4401	8956D-BOL			8/V1	

***** RHR HOT LEG-8"/140 *****

215	B9.11	1-4402	12	206			
216	B9.11	1-4402	12		11		
217	B9.11	1-4402	13	206			
218	B9.11	1-4402	13		11		



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
219	B9.11	1-4402	14	206			
220	B9.11	1-4402	14		11		
221	B9.11	1-4402	15	206			
222	B9.11	1-4402	15		11		
223	B9.11	1-4402	16	206			
224	B9.11	1-4402	16		11		
225	B7.70	1-4402	8949C-BOL			8/V1	

***** RHK COLD LEG-8"/140 *****

226	B9.11	1-4403	10	206			
227	B9.11	1-4403	10		11		
228	B9.11	1-4403	11	206			
229	B9.11	1-4403	11		11		
230	B9.11	1-4403	12	206			
231	B9.11	1-4403	12		11		
232	B9.11	1-4403	13	206			
233	B9.11	1-4403	13		11		
234	B9.11	1-4403	14	206			
235	B9.11	1-4403	14		11		
236	B9.11	1-4403	15	206			
237	B9.11	1-4403	15		11		
238	B9.11	1-4403	16	206			



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
239	B9.11	1-4403	16		11		
240	B9.11	1-4403	17	206			
241	B9.11	1-4403	17		11		
242	B7.70	1-4403	9001A-BOL			8/V1	
243	B7.70	1-4403	9002A-BOL			8/V1	
244	B7.50	1-4403	FLG-1-BOL			8/V1	

***** PRIMARY BY-PASS-8"/140 *****

245	B7	0	1-4404	8003D-BOL		8/V1	
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***** RTD RETURN-3"/160 & 4"/120 *****

246	B7.70	1-4405	8073D-BOL		8/V1		
247	B7.70	1-4405	8074D-BOL		8/V1		
248	B7.70	1-4405	8075D-BOL		8/V1		
249	B7.50	1-4405	FLG-1-BOL		8/V1		
250	B7.50	1-4405	FLG-2-BOL		8/V1		
251	B7.50	1-4405	FLG-3-BOL		8/V1		

***** SIS-2"/160 *****

252	B9.40	1-4406	2		11		
-----	-------	--------	---	--	----	--	--

***** RTD TAKE-OFF H.L.-2"/160 *****

253	B7.70	1-4407	8063D-BOL		8/V1		
254	B7.70	1-4407	8067D-BOL		8/V1		



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	

***** RTD TAKE-OFF C.L.-2"/160 *****

255	B7.70	1-4408	8088D-BOL			8/V1	
-----	-------	--------	-----------	--	--	------	--

256	B7.70	1-4408	8089D-BOL			8/V1	
-----	-------	--------	-----------	--	--	------	--

***** FILL LINE-2"/160 *****

257	B9.32	1-4409	1		11		
-----	-------	--------	---	--	----	--	--

258	B9.40	1-4409	2		11		
-----	-------	--------	---	--	----	--	--

259	B9.40	1-4409	3		11		
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260	B9.40	1-4409	4		11		
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261	B9.40	1-4409	5		11		
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262	B9.40	1-4409	6		11		
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263	B9.40	1-4409	7		11		
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264	B9.40	1-4409	8		11		
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265	B9.40	1-4409	9		11		
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266	BF1.10	1-4409	H2			8/V3	
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267	B7.70	1-4409	8034D-BOL			8/V1	
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268	B7.70	1-4409	8058D-BOL			8/V1	
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***** DRAIN LINE-2"/160 *****

269	B9.40	1-4410	26		11		
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270	B9.40	1-4410	27		11		
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271	B9.40	1-4410	28		11		
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272	B9.40	1-4410	29		11		
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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
273	B9.40	1-4410	30		11		
274	B7.70	1-4410	8484-BOL			8/V1	
275	B7.70	1-4410	8035D-BOL			8/V1	
276	B7.70	1-4410	8057D-BOL			8/V1	
277	B7.70	1-4410	8083D-BOL			8/V1	

***** SEAL INJECTION-1.5"&2"/160 *****

278	B9.40	1-4411	2		11		
279	B9.40	1-4411	3		11		
280	B9.40	1-4411	4		11		
281	B9.40	1-4411	5		11		
282	B9.40	1-4411	6		11		
283	B9.40	1-4411	7		11		
284	B9.40	1-4411	8		11		
285	B9.40	1-4411	9		11		
286	B9.40	1-4411	10		11		
287	B9.40	1-4411	11		11		
288	B9.40	1-4411	12		11		
289	B9.40	1-4411	13		11		
290	B9.40	1-4411	14		11		
291	B9.40	1-4411	15		11		
292	B9.40	1-4411	16		11		



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
293	B9.40	1-4411	17		11		
294	B9.40	1-4411	18		11		
295	B9.40	1-4411	19		11		
296	B9.40	1-4411	20		11		
297	B9.40	1-4411	21		11		
298	B7.50	1-4411	FLG-1-BOL			8/V1	
299	B7.50	1-4411	FLG-2-BOL			8/V1	

***** PRESS. EQUALIZATION-1.5"/160 *****

300	B7.70	1-4412	8090D-BOL		8/V1	
301	B7.50	1-4412	FLG-1-BOL		8/V1	

***** SIS BIT LINE-1.5"/160 *****

302	B9.32	1-4413	1		11	
303	B9.40	1-4413	2		11	
304	B9.40	1-4413	3		11	
305	B9.40	1-4413	4		11	
306	B9.40	1-4413	5		11	
307	B9.40	1-4413	6		11	
308	B9.40	1-4413	7		11	
309	B9.40	1-4413	8		11	
310	B9.40	1-4413	9		11	
311	B9.40	1-4413	10		11	



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
312	B7.70	1-4413	8800D-BOL			8/V1	
313	B7.70	1-4413	8810D-BOL			8/V1	

***** PRESSURIZER SURGE-14"/160 *****

314	B9.11	1-4500	3	206			
315	B9.11	1-4500	3		11		
316	B9.11	1-4500	4	206			
317	B9.11	1-4500	4		11		
318	B9.11	1-4500	5	206			
319	B9.11	1-4500	5		11		

***** PRESSURIZER SAFETY-6"/160 *****

320	B7.70	1-4502	8010B-BOL			8/V1	
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***** PRESSURIZER SPRAY-4"/160 *****

321	BF1.10	1-4505	H4			8/V3	
322	BF1.10	1-4505	H5			8/V3	
323	BF1.10	1-4505	H6			8/V3	
324	BF1.10	1-4505	H8			8/V3	
325	BF1.10	1-4505	H12			8/V3	
326	BF1.10	1-4505	H16			8/V3	
327	BF1.10	1-4505	H17			8/V3	
328	BF1.10	1-4505	H19			8/V3	



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
329	B7.70	1-4505	RC07-BOL			8/V1	
330	B7.70	1-4505	RC0022-BOI			8/V1	
331	B7.70	1-4505	RC0023-BOL			8/V1	

***** AUXILIARY SPRAY-2"/160 *****

332	BF1.10	1-4508	H1			8/V3	
333	BF1.10	1-4508	H4			8/V3	
334	BF1.10	1-4508	H5			8/V3	
335	BF1.10	1-4508	H7			8/V3	
336	BF1.10	1-4508	H9			8/V3	
337	BF1.10	1-4508	H10			8/V3	
338	BF1.10	1-4508	H15			8/V3	
339	BF1.10	1-4508	H16			8/V3	
340	BF1.10	1-4508	H18			8/V3	
341	BF1.10	1-4508	H20			8/V3	
342	BF1.10	1-4508	H21			8/V3	
343	BF1.10	1-4508	H23			8/V3	
344	BF1.10	1-4508	H24			8/V3	
345	BF1.10	1-4508	H25			8/V3	
346	BF1.10	1-4508	H26			8/V3	
347	BF1.10	1-4508	H27			8/V3	



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LINE	CODE	COM	EXAMINATION	EXAMINATION			
NUMB	ITEM	SKETCH	ITEM/AREA	PROCEDURE	VOL	SUR	VIS
		REF					MSG

***** SPRAY LINE DRAIN-2"/160 *****

348	BF1.10	1-4509	H1				8/V3
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349	BF1.10	1-4509	H2				8/V3
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350	B7.70	1-4509	8078A-BOL				8/V1
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351	B7.70	1-4509	8078B-BOL				8/V1
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***** SYSTEM LEAKAGE-GENERAL *****

352	B15.90	1-9100	5				VT-2
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***** STEAM CENERATORS *****

353	C1.30	2-1100	1-2	47			1
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354	C1.20	2-1100	4-8	47			1
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***** SEAL WATER INJ. FILTER *****

355	C1.10	2-1300	2-2	206			
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***** MAINSTEAM-24"/1.156"& 8"/80 *****

356	C5.31	2-2100	39	70			
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***** MAINSTEAM-34"&32"/1.156"NOM.T *****

357	C5.21	2-2300	11	206			
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358	C5.21	2-2300	11	70			
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359	C5.21	2-2300	19	206			
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360	C5.21	2-2300	19	70			
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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
361	C5.21	2-2300	22	206			
362	C5.21	2-2300	22		70		
363	C3.20	2-2300	H04 (W)		70		
364	C3.20	2-2300	H05 (W)		70		
365	C3.20	2-2300	H06 (W)		70		
366	C3.20	2-2300	H07 (W)		70		
367	C3.20	2-2300	H10 (W)		70		
368	C3.20	2-2300	H11 (W)		70		
369	C3.20	2-2300	H13 (W)		70		

***** AUXILIARY STEAM-06"/80 *****

370	CF1.10	2-2302	H1		8/V3		
371	CF1.10	2-2302	H2		8/V3		
372	CF1.10	2-2302	H3		8/V3		

***** MAINSTEAM-34"&32"/1.156"NOM.T *****

373	CF1.10	2-2400	H1		8/V3		
374	CF1.10	2-2400	H2		8/V3		
375	CF1.10	2-2400	H8		8/V3		
376	CF1.10	2-2400	H9		8/V3		
377	CF1.10	2-2400	H12		8/V3		
378	CF1.10	2-2400	H13		8/V3		
379	C3.20	2-2400	H08 (W)		70		



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
435	DF1.10	3-3102	H15			8/V3	
436	DF1.10	3-3102	H16			8/V3	
437	DF1.10	3-3102	H17			8/V3	
438	DF1.10	3-3102	H18			8/V3	
439	DF1.10	3-3103	H1			8/V3	
440	DF1.10	3-3103	H2			8/V3	
441	DF1.10	3-3103	H3			8/V3	
442	DF1.10	3-3103	H4			8/V3	
443	DF1.10	3-3103	H6			8/V3	
444	DF1.10	3-3103	H7			8/V3	
445	DF1.10	3-3103	H8			8/V3	
446	DF1.10	3-3103	H9			8/V3	
447	DF1.10	3-3103	H10			8/V3	
448	DF1.10	3-3103	H11			8/V3	
449	DF1.10	3-3103	H12			8/V3	
450	DF1.10	3-3103	H13			8/V3	
451	DF1.10	3-3103	H14			8/V3	
452	DF1.10	3-3103	H15			8/V3	
453	DF1.10	3-3103	H16			8/V3	
454	DF1.10	3-3103	H17			8/V3	
455	DF1.10	3-3103	H18			8/V3	



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
456	DF1.10	3-3103	H19			8/V3	
457	DF1.10	3-3128	H21			8/V3	
458	DF1.10	3-3129	H1			8/V3	
459	DF1.10	3-3129	H2			8/V3	
460	DF1.10	3-3129	H3			8/V3	
461	DF1.10	3-3129	H4			8/V3	
462	DF1.10	3-3129	H5			8/V3	
463	DF1.10	3-3129	H6			8/V3	
464	DF1.10	3-3129	H7			8/V3	
465	DF1.10	3-3129	H8			8/V3	
466	DF1.10	3-3129	H9			8/V3	
467	DF1.10	3-3129	H10			8/V3	
468	DF1.10	3-3129	H11			8/V3	
469	DF1.10	3-3129	H12			8/V3	
470	DF1.10	3-3129	H13			8/V3	
471	DF1.10	3-3129	H14			8/V3	
472	DF1.10	3-3129	H15			8/V3	
473	DF1.10	3-3129	H16			8/V3	
474	DF1.10	3-3143	H1			8/V3	
475	DF1.10	3-3143	H2			8/V3	



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LINE NUMB	CODE ITEM	COM SKETCH REF	EXAMINATION ITEM/AREA	EXAMINATION PROCEDURE			MSG
				VOL	SUR	VIS	
476	DF1.10	3-3143	H3			8/V3	
477	DF1.10	3-3148	H12			8/V3	
478	DF1.10	3-3148	H13			8/V3	
479	DF1.10	3-3150	H33			8/V3	
480	DF1.10	3-3154	H6			8/V3	
481	DF1.10	3-3154	H7			8/V3	
482	DF1.10	3-3154	H8			8/V3	
483	DF1.10	3-3154	H9			8/V3	
484	DF1.10	3-3155	H1			8/V3	
485	DF1.10	3-3155	H2			8/V3	
486	DF1.10	3-3155	H3			8/V3	
487	DF1.10	3-3155	H4			8/V3	
488	DF1.10	3-3155	H5			8/V3	
489	DF1.10	3-3155	H6			8/V3	
490	DF1.10	3-3155	H7			8/V3	
491	DF1.10	3-3155	H8			8/V3	
492	DF1.10	3-3155	H9			8/V3	
493	DF1.10	3-3155	H10			8/V3	



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LINE	CODE	COM	EXAMINATION	EXAMINATION				
NUMB	ITEM	SKETCH	ITEM/AREA	PROCEDURE				
		REF		VOL	SUR	VIS	MSG	
Total for Class = "1"			296	43	122	187	=	352
Total for Class = "2"			37	7	25	9	=	41
Total for Class = "3"			100	0	0	100	=	100
Grand Total			433	50	147	296	=	493



General Remarks

Where visual procedures are identified as VT-1, VT-2 etc. examinations are conducted by utility or subcontractor personnel implementing appropriate approved procedures.

Where visual procedures are identified as 8/V1, 88/3 etc., procedure identity precedes the /, followed by implementation pertaining to VT-1, VT-2, etc.

FOLLOWING IS THE EXTENT OF EXAMINATIONS
TO DATE FOR THE IDENTITIES NOTED

<--IDENT.--><I.P.O.><-----LOCATION----->

1-1100-1:	2-1-1	16.6 TO 70; 133.3 TO 180; AND 230 TO 310 DEG.--THRU SEAL SURF.
1-1300-6:	2-1-2	FROM STUD HOLES 32 THRU 50
	2-2-2	FROM STUD HOLES 14 THRU 32
1-2100-10:	2-1-2	0" THRU 98"
	2-2-2	98" THRU 196"
1-3100-1-1:	2-1-2	51" THRU 195"
	2-2-1	195" THRU 335"
2-1100-1-2:	2-1-2	51" THRU 195"
	2-2-1	195" THRU 333"
	2-3-1	333" THRU 0" THRU 51"
2-1100-1-3:	2-1-2	51" THRU 195"
	2-2-1	195" THRU 312"
	2-2-2	312" THRU 0" TO 51"
2-1100-4-8:	2-1-2	470" THRU 0" TO 70"
	2-2-2	70" THRU 240"
	2-3-1	235" THRU 475"

Footnotes

- 1 Examined as indicated in--General Remarks--above.



Footnotes (Cont'd)

2. Examined in accordance with Zion Stations Relief Request IWB # 5 in lieu of the method specified by the ASME Code.