- 1. Owner: Public Service Electric & Gas Co., 80 Park Plaza Newark, N.J. 07101
- Plant: Salem Generating Station P.O. Box 236, Hancock's Bridge, N.J. 08038
- 3. Plant Unit 1
- 4. Owner's Certificate of Authorization (if required) N/A.
- 5. Commercial Service Date 7/1/77.
- 6. National Board Number for Unit: N/A.
- 7. Examination Dates: 08-17-92 through 02-02-94.
- 8. This report covers the examinations that were conducted during the 11th Refueling Outage.
- 9. Components Inspected.

COMPONENTS OR APPURTENANCE		OR INSTALLER PR		NATIONAL BOARD NO.
#1 Reactor Vessel	Combustion Engineering	66201 Head 66101 Vessel	N/A	20757
#11 Steam Generator	Westinghouse Tampa Div. P.O. Box 19218 Tampa, FL 33616	1003	N/A	68-10
#12 Steam Generator	11 11	1022	N/A	68-08
#13 Steam Generator	11 11	1023	N/A	68-09
#14 Steam Generator	11 11	1203	N/A	68-51
#1 Regen. Ht. Exch.	Sentry Equip. Corp. Oconomowoc, WI	4195-A4 7, 8, 9	N/A	385, 386, 387
#1 Rx. Coolant Filter	Commercial Filters, Corp. Lebanon, IN	101238	N/A	1193

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- 7. Examination Dates: 08-17-92 through 02-02-94.
- 9. Components Inspected (cont'd):

COMPONENTS OR APPURTENANCE	MANUFACTURER OR I	FACTURER NSTALLER R. NO.	STATION OR PROVINCE NUMBER	NATIONAL BOARD NO.
#1 Pressur- izer	Delta Southern	1011	N/A	68-8
Chemical Volume & Control Piping System	United Engineers & Constructors (UE&C) 30 South 17th St., Phila. PA 19101	N/A	N/A	N/A
Component Cooling Sys.	UE&C	N/A	N/A	N/A
Containment Spray Piping System	UE&C	N/A	N/A	N/A
Mainsteam Piping sys.	UE&C	N/A	N/A	N/A
#11 RHR Heat Exchanger	Engineers & Fabricators, Inc.	S15860-C	N/A	122

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- 7. Examination Dates: 08-17-92 through 02-02-94.
- 9. Components Inspected (cont'd):

COMPONENTS OR APPURTENANCE	MANUFACTURER OR INSTALLER	MANUFACTURER OR INSTALLER SER. NO.	STATION OR PROVINCE NUMBER	NATIONAL BOARD NO.
Pressurizer Relief Piping Sys.	UE&C	N/A	N/A	N/A
Pressurizer Spray Sys.	UE&C	N/A	N/A	N/A
Reactor Coolant Piping Sys	UE&C	N/A	N/A	N/A
Residual Heat Removal System	UE&C	N/A	N/A	N/A
Service Water System	UE&C	N/A	N/A	N/A
Steam Gen. Feed Piping System	UE&C	N/A	N/A	N/A
Safety Injection Piping Sys.	UE&C	N/A	N/A	N/A

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- 6. National Board Number for Unit N/A.
- 7. Examination Dates: 08-17-92 through 02-02-94.
- 10. Abstracts of Examinations:
- 1.0 This report also contains augmented examinations required by the Salem Technical Specification, Regulatory Guides, Circulars and Bulletins issued by the United States Nuclear Regulatory Commission.

Examinations were conducted by PSE&G as well as companies under contract to PSE&G. The following is a brief summary with further details found in the attached report and on file at the Salem Generating Station.

Since nearly all inservice examination requirements can be found in Salem's Technical Specifications, this summary lists these requirements first arranged by Technical Specification paragraph number followed by applicable NRC Circulars and Bulletins.

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- 7. Examination Dates: 08-17-92 through 02-02-94.

11. Examination Summary

11.1 Technical Specification 4.0.5 - ASME XI (1983 Edition)

During the Fall 1993 refueling outage, PSE&G, MQS and SwRI personnel performed nondestructive examinations (NDE) of selected Class 1, Class 2 and Class 3 components at the Salem Unit 1 Generating Station. These examinations constituted the fourth inservice examination (ISI) of the second inspection interval of commercial operation.

11.1.1 ISI Examination

Southwest Research Institute (SwRI) under the direction of the Salem ISI Group conducted seventy-six (76) manual ultrasonic, one hundred and four (104) liquid penetrant, and fourteen (14) magnetic particle examinations. Examinations were conducted on the following systems:

Class 1

Vessels

- Pressurizer
- RPV
- Steam Generator #11 through #14

Piping

- Chemical and Volume Control
- Reactor Coolant System
- Pressurizer Relief System
- Pressurizer Spray System
- Residual Heat Removal System
- Safety Injection System

Pumps

Reactor Coolant Pumps #12 and #14

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- 7. Examination Dates: 08-17-92 through 02-02-94.
- 11. Examination Summary (Cont'd)

Integrally Welded Attachments

- Reactor Coolant Pumps #12 and #14
- Safety Injection

Class 2

Vessels

- Head Tank #11
- Reactor Coolant Filter
- Regenerative Heat Exchanger

Piping

- Main Steam System
- Steam Generator Feed System
- Containment Spray System
- Residual Heat Removal System
- Pressurizer Relief System
- Chemical Volume Control System
- Safety Injection System

Integrally Welded Attachments

- Residual Heat Removal System
- Safety Injection System
- Main Steam System

The following nonconformance was reported by SWRI:

A PT examination on weld 4-SJ-1172-5 (Summary No. 131200), revealed six (6) linear recordable indications. CNF 1-1 was issued by SWRI and dispositioned by PSE&G as follows:

After cosmetically blending these indications, a PT re-exam was performed with no linear indications identified.

There were no other unacceptable indications identified.

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- 7. Examination Dates: 08-17-92 through 02-02-94.
- 11. Examination Summary (cont'd):

11.1.2 Visual Examination on Valves and Bolting

The Salem ISI Group conducted twenty-nine (29) Class 1 bolting exams and one (1) Class 1 valve internal exam.

There were several Class 1 Bolting exam anomalies noted, including boric acid accumulation, nuts seized on the stud or bolt, etc.. Work orders and/or deficiency reports were generated to document and correct all anomalies.

NOTE: No additional exams were required.

Examinations were conducted on the following systems:

Valves

- Pressurizer Relief System
- Safety Injection System
- Residual Heat Removal System
- Chemical Volume and Control System
- Pressurizer Spray System

There were no unacceptable indications identified.

11.1.3 Visual Examination of Supports

The Salem ISI Group conducted and/or coordinated visual examinations on seventeen (17) Class I, five (5) Class II and one hundred forty eight (148) Class III supports.

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- Examination Dates: 08-17-92 through 02-02-94.
- 11. Examination Summary (cont'd):

Examinations were conducted on the following systems:

Auxiliary Feedwater Chemical & Volume Control Pressurizer Relief Component Cooling Containment Spray Residual Heat Removal

Main Steam Pressurizing Safety Injection Service Water

There were no unacceptable indications identified.

11.1.4 System Pressure Tests

System leakage exams were performed in accordance with ASME Section XI on all Class I systems.

A system leakage test was performed with the Reactor Coolant System in mode 3 (normal operating temperature and pressure) with the insulation installed. No pressure boundary leakage was detected. Minor mechanical leakage was identified and work requests were initiated for repairs.

Thirty two (32) System Pressure Tests (SPT) were completed during a System Functional or Inservice Test on Nuclear Class 1, 2 and 3 components in accordance with ASME Section XI. No pressure boundary leakage was detected. Work requests were initiated to correct minor mechanical leakage that was identified.

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- 7. Examination Dates: 08-17-92 through 02-02-94.
- 11. Examination Summary (cont'd):
 - 11.2 Preservice Examinations were performed on the #11 through #14 SJ17 valve replacement welds per DCP 1EO-2309.

The welds that were replaced to facilitate the valve replacement are listed below:

ISIC	ISIC	PSE&G
SUMMARY #	COMPONENT ID	WELD #
		·
174900	1½-SJ-1142-49R	RH-3282-77F-A
175001	1½-SJ-1142-50R	RH-3282-76F-A
175101	1½-SJ-1142-51R	RH-3282-75F-A
175500	1½-SJ-1132-39R	RH-3295-111F-A
179601	$1\frac{1}{2}$ -SJ-1132-40R	RH-3295-110F-A
179701 ·	$1\frac{1}{2}$ -SJ-1132-41R	RH-3295-109F-A
184600	1½-SJ-1122-41R	RH-3269-43F-A
184700	1½-SJ-1122-42R	RH-3269-42F-A
184801	1½-SJ-1122-43R	RH-3268-41F-A
190100	1½-SJ-1112-49R	RH-3256-4F-A
190201	1½-SJ-1112-50R	RH-3256-3F-A
190301	1½-SJ-1112-351	RH-3256-2F-A

The PT (PSI Baseline) was performed by MQS with no discrepancies noted.

Preservice Examination was performed on Safety Injection System piping welds, due to the replacement of two (2) orifices per DCP 1EC-3260.

The welds that were replaced to facilitate the replacement of the orifices are listed below:

ISIC SUMMARY #	ISIC COMPONENT ID	PSE&G WELD #
SUMMARY #	COMPONENT ID	WELD #
386600	2-SJ-2126-6R	SI-5-256B-A
386620	2 - SJ-2126-7R	SI-5-257B-A
387100	2-SJ-2123-6R	SI-1-211C-B
387120	2-SJ-2123-7R	SI-1-212C-A

The PT (PSI Baseline) was performed by MQS with no discrepancies noted.

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- 6. National Board Number for Unit N/A.
- 7. Examination Dates: 08-17-92 through 02-02-94.
- 11. Examination Summary (cont'd):
 - 11.3 Technical Specification 4.4.6.0 Steam Generator Tube Eddy Current Inspection.

11.3.1 Overview

The original scope of Salem 1R11 outage was comprised of 20% bobbin and 20% top of hot leg tubesheet in all four Steam Generators. In addition, a twelve hour window was allotted for RPC testing of dented hot leg tube support plate intersections.

11.3.2 Top of Tubesheet RPC Inspection

The tube expansion in the Steam Generators at Salem Unit 1 were made using the WEXTEX process (explosive expansions). History of Wextex units has shown some cracking in the expansion transition. Cracking of the WEXTEX region can be axial, circumferential or oblique in orientation as detected by RPC. The extent of circumferential cracking and the extent to which an axial indication extends into the transition zone are critical measurements.

Due to indications found, the initial scope was expanded by a total of 612 tubes in Steam Generator #11. One circumferential and seven axial indications were detected in this Steam Generator. None of these indications exceeded the structural integrity limits. Three of these indications were OD initiated. These indications are believed to have been caused by ODSCC rather than residual stress from the WEXTEX expansion process.

There were no expansions of Top of Tubesheet RPC inspections in #12 Steam Generator. 708 tubes were inspected which represents 20.9% of the Steam Generator.

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- 11. Examination Summary (cont'd):

Steam Generator #13's scope was expanded to 100% due to an indication found in tube This tube had a 0.448" axial indication. The entire length of this indication was contained within the WEXTEX transition, therefore the structural integrity limit of 0.41" was exceeded, prompting the 100% expansion of this Steam Generator. This tube also contained two circumferential indications at the top of the tubesheet. Evaluation by Westinghouse determined that this tube required stabilization. One additional tube in this Steam Generator was evaluated for stabilization and determined that no stabilization was required.

Steam Generator #14 had no expansions of the Top of Tubesheet RPC inspection. A total of 708 tubes were inspected which represents 20.9% of the Steam Generator.

11.3.3 Bobbin Inspection

There were five different types of degradation detected during the bobbin inspection. Four of these mechanisms were previously identified to some degree in Unit 1. They are:

AVB WEAR

All four Steam Generators have had some wear at the anti-vibration bars. Steam Generator #11 had two tubes plugged because of this wear.

COLD LEG THINNING

All four Steam Generators have had thinning at peripheral tube cold leg support plate intersections. Steam Generator #14 had one tube plugged because of this mechanism.

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- 11. Examination Summary (cont'd):

OD INDICATIONS AT NON-DENTED SUPPORT PLATES

These indications are usually distorted on bobbin and require further clarification by RPC testing. Typically, there is a deposit present, which adds to the distortion. This deposit is usually responsible for the corrosion occurring at these intersections. When these indications confirm, the RPC testing reveals a oval-shaped, pit-like signal. Steam Generators #11 and #12 plugged one tube each for this mechanism. Steam Generator #13 had four tubes plugged for this mechanism.

OD INDICATIONS AT THE TOP OF TUBESHEET

These indications are similar to the support plate indications mentioned above, in that the signals are usually distorted by the presence of a deposit. Again, this deposit is most likely responsible for the corrosion occurring. As mentioned, three of these signals were deemed pluggable during the RPC In addition, several signals in inspection. both Steam Generators #11 and #13 were called INR (Indication not Recordable), during the RPC inspection. INR was used since these signals did not fit any of the allowable RPC indications (SAI, MAI, SCI, MCI, SOI and MOI). These INR signals were also bobbin tested. In most cases, these signals were found to be less than a 20% through wall dimension, however, two more tubes in Steam Generator #11 were plugged for this mechanism as well as two tubes in Steam Generator #13.

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- 11. Examination Summary (cont'd):

One new degradation mechanism was identified during 1R11. This was ID INITIATED INDICA-TIONS AT DENTED SUPPORT PLATE INTERSECTIONS. These indications can be detected by bobbin when they extend greater than 0.2" beyond the edge of the support plate. These indications can be attributed to residual stress from the The shape rather than the size of the dent appears to be more of a factor in causing these indications. The sizes of the dents associated with these indications are relatively small when compared to the population of dents present in Unit 1 Steam Generators. The first indication of this type was found in Steam Generator #12 tube R33C43 at 1H (1st support plate hot leg side). RPC of this indication revealed that it was 1.59" long, extending from 0.91" above the support plate to 0.68" below. This indication prompted 100% bobbin testing in Steam Generator #12 from 7H to TEH (tube end hot). This expansion revealed two more indications tube R8C4 at 1H and tube R28C85 at 2H. RPC of tube R8C4 showed an MAI (multiple axial indications). One of the axials was 1.102" in length starting at 0.74" above the support plate. other axial was 1.050" in length starting at 0.66" above the support plate. RPC of tube R28C85 showed and SAI 0.432" long starting at 0.68" above the support plate.

These indications in Steam Generator #12 prompted 100% bobbin testing in the other three Steam Generators from 7H to TEH. No more indications of this type were found in Steam Generators #11 and #14. However, two indications were flagged in Steam Generator #13 for RPC testing. RPC of tube R30C42 at 3H revealed an SAI 1.032" long starting at 0.26" above the support plate and ending at 1.292" below the support plate.

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11. Examination Summary (cont'd):

RPC of tube R3C59 at 1H revealed an MAI. One of the axials was 1.742" long starting at 0.87" above the support plate. The other axial was 0.591" long, starting at 0.74" above the support plate. Both of these indications were determined to be OD indications rather than ID.

RPC OF DENTED SUPPORT PLATE INTERSECTIONS

Twelve hours were allocated for sample testing of dented support plate intersections in each Steam Generator. The 300 largest dents in each Steam Generator were selected for testing. The aim of this testing is to detect the presence of circumferential indications. Circumferential oriented indications can not be seen by bobbin probes. Due to time constraints and restrictions encountered within the tubes, none of the Steam Generators completed the 300 tube program. The number of intersections inspected, ranged from 122 to 170. No indications were detected in this inspection.

11.4 Current Status of the Steam Generators

At this time the total number of tubes plugged in the Salem Unit 1 Steam Generators are as follows:

Generator #	11	12	13	14
Tubes previously plugged New tubes plugged	104	121	112	143
this outage	12	4	10	2
Tubes Plugged	116	125	122	145

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- 11. Examination Summary (cont'd):

NOTE: The first five and the last five tubes of Row 1 in each of the Steam Generators were mechanically plugged due to a vibration in the tube lane blocking device. The remaining Row 1 tubes were preventively plugged due to a wear problem on the tubes caused by a vibration in the tube lane blocking device. The remaining Row 1 tubes were preventively plugged due to the onset of stress corrosion cracking in the U-bend region as evidenced in two of the four Steam Generators.

11.5 Technical Specification 4.6.1.2d, Containment Type "B" (Penetrations) and Type "C" (Valves) Leak Rate Testing.

11.5.1 Summary

The PSE&G Research Corp. under the field supervision of the Salem ISI Group, conducted local leak rate tests on sixty three (63) Type "B" Electrical Penetrations, seven (7) Type "B" Mechanical Penetrations and fifty five (55) Type "C" Mechanical Penetrations (113 valves).

11.5.2 Results

- A. Several Type "C" valves exceeded the recommended leak rate acceptable criteria. These valves were worked to an acceptable condition and retested satisfactorily.
- B. A total As-Found leakage (min path) of 15,338.5 SCCM was measured through all Type "B" and "C" containment penetrations. After corrective maintenance, a total As-Left (max path) of 26,372.0 SCCM was measured through all Type "B" and "C" penetrations.

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- 7. Examination Dates: 08-17-92 through 02-02-94.
- 11. Examination Summary (cont'd):
 - 11.6 Technical Specification 4.6.1.3b Elevation 100' and 130' Airlock Leak Rate Tests

11.6.1 Summary

PSE&G Research Corporation under the field supervision of the Salem ISI Group conducted leak rate tests on the 100' and 130' containment personnel airlocks.

11.6.2 Results

The combined As-Found leakage for these airlocks was 4,925.0 SCCM. After maintenance, the combined As-Left leakage for the airlocks was 5,860.0 SCCM. Both of these measured combined leakage rates satisfies the Technical Specification acceptance criteria of \leq 0.05 La (10,812 SCCM).

11.7 Technical Specification 4.7.9.(a) "Visual Inspection of Hydraulic and Mechanical Snubbers"

11.7.1 Summary

The Salem ISI Group conducted visual examinations on twenty four (24) hydraulic and one hundred and eleven (111) mechanical snubbers.

11.7.2 Results

- A. There were no discrepancies noted which would affect snubber operability. There were some minor items noted including missing washers, loose spherical bearings and binding around the bearings and some light corrosion. These conditions were all noted and corrected.
- B. All snubbers which were removed and reinstalled received a satisfactory "As-Left" visual examination.

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- 7. Examination Dates: 08-17-92 through 02-02-94.
- 11. Examination Summary (cont'd):
 - 11.8 Technical Specification 4.7.9 (c) "Functional Testing of Selected Hydraulic and Mechanical Snubbers"

11.8.1 Summary - Hydraulic Snubbers

- A. Per Technical Specifications, 10% of the installed hydraulic snubbers as well as all previous outage functional test failures are required to be tested. The 10% sample included one 200 KIP Main Steam snubber and two 1000 KIP Steam Generator snubbers. There were no previous outage test failures.
- B. The 10% sample of hydraulic snubber (small size) included one (1) Lisega 3018.

There were no noted discrepancies in the Technical Specification sample.

11.8.2 Summary - Mechanical Snubbers

Per Technical Specifications, 10% of the total installed mechanical snubbers as well as previous outage functional test failures were tested utilizing the WYLE Model 150 Snubber Testing machine. The 10% sample is broken down by snubber category size (small, medium and large) with 10% from each size selected each outage. All selected snubbers are detailed below:

- A. The 10% sample of the medium size snubbers included two (2) PSA-1's and nine (9) PSA-3's.
- B. The 10% sample of the large size snubbers included one (1) PSA-35.
- C. Due to previous outage failures, 100% of the small size snubbers (PSA-1/4's, PSA-1/2") are tested each outage. This resulted in tests being performed on one Model 1/4 and three Model 1/2.

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- 11. Examination Summary (cont'd):

11.8.3 Results - Mechanical Snubbers

- A. One medium size Technical Specification sample snubber failed the functional test resulting in a sample expansion of eleven (11) additional tests.
- B. All the small size snubbers were tested satisfactory.
- 11.9 Technical Specification 4.4.11.1 Reactor Coolant Pump Flywheel Examination

11.9.1 Summary

Southwest Research Institute (SwRI) under the direction of the ISI Group performed an inplace ultrasonic examination (UT) on Reactor Coolant Pump (RCP) Flywheels SN 3S-76P917 and SN 2S-76P917. Flywheel examinations are tracked by the RCP Motor serial number and original pump location.

There were no unacceptable indications identified.

11.10 NRC Bulletin 82-02 "Degradation of Threaded Fasteners in the Reactor Coolant Pressure Boundary of Power Plants".

11.10.1 Summary

Visual (VT) and Magnetic Particle (MT) exams were performed on the #11 through #14 Steam Generator (inlet & outlet) and Pressurizer Primary Manway Bolts. Also #11 through #14 Reactor Coolant Pumps main flange bolting was visually inspected.

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- 11. Examination Summary (cont'd):

There were several S/G (inlet & outlet) Primary Manway washers replaced, due to deep galling. These washers were replaced in kind. A VT revealed wastage on the shank of one bolt on #14 S/G Outlet manway. This bolt was replaced. There were several PZR Primary Manway bolts replaced, due to non service induced anomalies found during the VT.

NOTE: 100% of all the S/G and PZR manway bolts were examined during this refueling outage.

There were no other unacceptable indications identified.

11.11 NRC Bulletin 88-08 "Thermal Stresses in Piping Connected to Reactor Coolant System".

11.11.1 Summary

Southwest Research Institute (SwRI), and MQS under the direction of the Salem ISI Group, performed augmented ultrasonic and dye penetrant examinations on nine (9) 1.5" Safety Injections welds, two (2) 2" Chemical Volume Control welds and two (2) 3" Chemical Volume Control welds.

NOTE: Seven (7) components had the 88-08 exams waived, due to the replacement of the 11 through 14 SJ17 valves (DCP 1EO-2309). The associated replacement welds were not ultrasonically examined as required by NRC Bulletin 88-08. NRC Bulletin 88-08 is concerned with a service induced condition, which would not exist with these new welds.

There were no unacceptable indications identified.

- 1. Owner: Public Service Electric & Gas Co., 80 Park Plaza Newark, N.J. 07101
- Plant: Salem Generating Station P.O. Box 236, Hancock's Bridge, N.J. 08038
- 3. Plant Unit 1
- 4. Owner's Certificate of Authorization (if required) N/A.
- 5. Commercial Service Date 7/1/77.
- National Board Number for Unit N/A.
- 7. Examination Dates: 08-17-92 through 02-02-94.
- 11. Examination Summary (cont'd):
 - 11.12 NRC Bulletin 88-11 "Pressurizer Surge Line Thermal Stratification".

11.12.1 Summary

The Salem ISI group performed visual examinations on all existing surge line pipe supports / HEBA restraints and their associated insulation. A total of ten (10) supports were examined.

There were no unacceptable indications identified.

11.13 NRC Bulletin 87-01, "Thinning of Pipe Walls in Nuclear Power Plants".

11.13.1 Summary

Measurements were taken at one hundred and sixty four (164) locations to identify possible pipe erosion/corrosion. Of the 164 locations, 147 were from the original scope and 17 were the result of significant wall thinning found in 15 components. Fifteen (15) components were cut out and replaced and one (1) component received external weld "build-up". Other than the aforementioned areas, no other conditions were observed.

- 11.14 Field Directive, S-C-R700-MFD-288, "Leak Rate Test Program for the Steam Generator Blowdown Isolation Valve (GB4)
 - 11.14.1 PSE&G Research and Testing Lab under the field supervision of the Salem ISI Group, conducted leak rate tests on all four Steam Generator Blowdown Valves (GB-4's) in accordance with procedure SC.SS-IS.GB-0004(Q).

- 1. Owner: Public Service Electric & Gas Co., 80 Park Plaza Newark, N.J. 07101
- Plant: Salem Generating Station P.O. Box 236, Hancock's Bridge, N.J. 08038
- 3. Plant Unit 1
- 4. Owner's Certificate of Authorization (if required) N/A.
- 5. Commercial Service Date 7/1/77.
- 6. National Board Number for Unit N/A.
- 7. Examination Dates: 08-17-92 through 02-02-94.
- 11. Examination Summary (cont'd):

11.14.2 Results

All four valves had an acceptable leak rates below the test acceptance criteria of \leq 30,000 SCCM. No discrepancies were noted.

11.15 Summary NuReg 0578 - TMI Lessons Learned -

A. Twenty-seven (27) System Pressure Tests were completed per NUREG 0578 commitments.

Completed System Pressure Tests on the following systems:

Chemical Volume and Control Safety Injection
Containment Spray Sampling
Liquid Radwaste Waste Gas
Residual Heat Removal

B. The PSE&G Research Corp., under the direction of the Salem ISI Group conducted the Waste Gas System Leak Test in accordance with procedure SC.SS-IS.WG-0003(R).

11.15.1 Results

- A. The leakage on systems defined by NUREG 0578 were identified as minor mechanical leakage and would not have any adverse impact on the Auxiliary building access during an accident. Work requests were initiated for repairs.
- B. The Waste Gas System Leak Rate Test showed no adverse findings relative to this Bulletin.

- 1. Owner: Public Service Electric & Gas Co., 80 Park Plaza Newark, N.J. 07101
- 2. Plant: Salem Generating Station P.O. Box 236, Hancock's Bridge, N.J. 08038
- 3. Plant Unit 1
- 4. Owner's Certificate of Authorization (if required) N/A.
- 5. Commercial Service Date 7/1/77.
- 6. National Board Number for Unit N/A.
- 7. Examination Dates: 08-17-92 through 02-02-94.
- 11. Examination Summary (cont'd):

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 March 30, 1994 Signed PSE&G Owner By Jake

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 New Jersey and employed by Arkwright Mutual Insurance Company, Norwood, Massachusetts, have inspected the components described in this Owner's Data Report during the period 08-17-92 to 02-02-94 and state that to the best of my knowledge and belief the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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 3-3/ , 19 94

angle Carl commissions NJ 373 "I

National Board, State, Province and No.

PUBLIC SERVICE ELECTRIC & GAS CO. SALEM NUCLEAR POWER STATION UNIT 1

OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)
SECTION XI COMPLETE COMPONENTS
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

March 4, 1994 REVISION 0

Prepared By: Motto. Scentieura Day	e <u>3/4/94</u>
Reviewed By: Dan	re
Approved By: July 1 Jake Da	- leslace

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HOLE. W.O. #931121035 TO PERFORM NDE.

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 1 SECTION XI COMPLETE COMPONENTS

REACTOR PRESSURE VESSEL

CRD HOUSING BODY-TO-ADAPTER

WELDS

B14.10 PT (#73)

OGT ASME SEC. XI REH SUMMARY EXAMINATION AREA CATGY EXAM E O E REMARKS NUMBER IDENTIFICATION ITEM NO METHOD PROCEDURE C M R **CALIBRATION BLOCK** CIRCUMFERENTIAL WELDS (REF. DWG. NO. A-1) 002001 1-RPV-7042 B-A UT1.5 VS1SSISRCE00940 x - -PERFORM MANUAL UT FROM THE SURFACE OF VESSEL TO FLANGE B1.30 UT5.7 x - -THE VESSEL FLANGE ON 100% VESSEL TO UT12.5 X - -FLANGE WELD (#1 THRU 54, STUD HOLES). W.O.#931121035 TO PERFORM NDE. **53-SAM/109-SAM** THREADS IN FLANGE (REF. DWG. NO. A-2) 003700 1-RPV-LIG 1 THRU 54 B-G-1 UT0 VS1SSISRCE0009Q EXAMINE LIGAMENTS #18 THRU #54. B6.40 W.O.#931121035 TO PERFORM NDE. **7-1.25-8-CS-60-SAM** REACTOR VESSEL SUPPORT (REF. DWG. NO. A-1) 003751 1-RPV-11CLSUPPORT F-A VT-3 S1SSISZZ0020Q THIS EXAM IS TO BE COORDINATED WITH THE SLIDING SUPPORT F2.10 SAFE END WELD EXAMINATIONS ON THE #11 COLD LEG. W.O. # 931121035, TO PERFORM 003752 1-RPV-12HLSUPPORT F-A VT-3 \$155157700200 THIS EXAM IS TO BE COORDINATED WITH THE SLIDING SUPPORT F2.10 SAFE END WELD EXAMINATIONS OF THE #12 HOT LEG. W.O.# 931121035, TO PERFORM INTERIOR (REF. DWG. NO. A-1) 004310 RPV INTERNAL SURFACE VT-3 B-N-1 VS1SSISZZ0020Q SWRI TO PERFORM VT-3 INSPECTION. B13.10 W.O.#931121035 TO PERFORM NDE. FOR SMD TO SUPPORT THE RPV VT, SEE W.O.# 930601189. CONTROL ROD DRIVE HOUSINGS (REF. DWG. NO. A-28) PT (#72) VS1SSISZZ0003Q B-O EXAMINED #72 & 73 CRDH, NEAR #50 STUD

DATE: .03/04/94 REVISION: 0

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 1 SECTION XI COMPLETE COMPONENTS

PAGE:

#S-93-254 & W.O. #930401183.

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PRESSURIZER

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	H	REMARKS **CALIBRATION BLOCK**
	BOLTING (REF. DWG. NO. A-3)							
007820	PZR BOLTING-MANWAY	B-G-2 B7.21	VT-1 (ISI) VT-1 (PSI) MT	SCSSISZZ0010Q VSHSSSPZZ0202Q	X		-	A FLORESCENT MT EXAM TO BE PERFORMED PER NRC BULLETIN 82-02. MQS TO PERFORM THE MT AND PSE&G TO PERFORM THE VT. W.O. #920401058 & 931121035 TO PERFORM NDE. SEVERAL BOLTS WERE REPLACED PER CJP

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 1 SECTION XI COMPLETE COMPONENTS

STEAM GENERATOR 11

,					N		0	
		ASME			0	G	T	
		SEC. XI			R	Ε	Н	
SUMMARY	EXAMINATION AREA	CATGY	EXAM		E	0	Ε	REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	C	M	R	**CALIBRATION BLOCK**
					-	-	-	
	BOLTING (REF. DWG. NO. A-4)							
008790	11-STG-OMB	B-G-2	VT-1	SCSSISZZ0010Q	Х	-	-	A FLORESCENT MT EXAM TO BE PERFORMED PER
	BOLTS-OUTLET MANWAY	B7.30	MT	VSHSSSPZZ0202Q	X	-	-	82-02. MQS TO PERFORM THE MT AND PSE&G
								TO PERFORM THE VT. W.O. # 931105020 AND
								931121035 TO PERFORM ND.
								ø
008795	11-STG-IMB	B-G-2	VT-1	SCSSISZZ0010Q	X	-	-	A FLORESCENT MT EXAM TO BE PERFORMED PER
	BOLTS-INLET MANWAY	B7.30	MT	VSHSSSPZZ0202Q	Х	-	-	82-02. MQS TO PERFORM THE MT AND PSE&G
								TO PERFORM THE VT. W.O. #931105020 AND

PAGE:

931121035 TO PERFORM NDE.

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 1 SECTION XI COMPLETE COMPONENTS

STEAM GENERATOR 12

							-4	
					N		0	
	•	ASME			0	G	T	•
		SEC. XI			R	Ε	Н	
SUMMARY	EXAMINATION AREA	CATGY	EXAM	•	E	0	Е	REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	С	M	R	**CALIBRATION BLOCK**
					-	-	-	
	BOLTING (REF. DWG. NO. A-5)							
009650	12-STG-OMB	B-G-2	VT-1	SCSSISZZ0010Q	X	-	-	A FLORESCENT MT EXAM TO BE PERFORMED PER
	BOLTS-OUTLET MANWAY	B7.30	MT	VSHSSSPZZ0202Q	X	-	-	82-02. MQS TO PERFORM THE MT AND PSE&G
	•							TO PERFORM THE VT. W.O. #931121035 &
								931105031 TO PERFORM NDE.
009675	12-STG-IMB	B-G-2	VT-1	SCSSISZZ0010Q	Х	-	-	A FLORESCENT MT EXAM TO BE PERFORMED PER
	BOLTS-INLET MANWAY	B7.30	MT	VSHSSSPZZ0202Q	Х	•	-	82-02. MQS TO PERFORM THE MT AND PSE&G
								TO PERFORM THE VT. W.O. #931121035 &
								931105031 TO PERFORM NDF.

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SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 1 SECTION XI COMPLETE COMPONENTS

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STEAM GENERATOR 13

					N		0	
		ASME		*	0	G	T	•
		SEC. XI			R	E	Н	
SUMMARY	EXAMINATION AREA	CATGY	EXAM		Ε	0	E	REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	C	M	R	**CALIBRATION BLOCK**
					-	-	-	
	BOLTING (REF. DWG. NO. A-6)							-
010550	13-STG-OMB BOLTS-OUTLET MANWAY	B-G-2 B7.30	VT-1 MT	SCSSI SZZ00109 VSHSSSPZZ02029	X	-		A FLORESCENT MT EXAM TO BE PERFORMED PER 82-02. MGS TO PERFORM THE MT AND PSE&G TO PERFORM THE VT. W.O. #931105032 AND 931121035 TO PERFORM NDE.
010575	13-STG-IMB BOLTS-INLET MANWAY	B-G-2 B7.30	VT-1 MT	SCSSISZZ0010Q VSHSSSPZZ0202Q	x		-	A FLORESCENT MT EXAM TO BE PERFORMED PER 82-02. Mgs to PERFORM THE MT AND PSE&G TO PERFORM THE VT. W.O. # 931105032 AND 931121035 TO PERFORM THE NDE.

DATE: 03/04/94 REVISION: 0 SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 1 SECTION XI COMPLETE COMPONENTS

STEAM GENERATOR 14

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION BOLTING (REF. DWG. NO. A-7)	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	E	REMARKS **CALIBRATION BLOCK**
011450	14-STG-OMB BOLTS-OUTLET MANWAY	B-G-2 B7.30	VT-1 MT	SCSSISZZ0010Q VSHSSSPZZ0202Q		-	X	A FLORESCENT MT EXAM TO BE PERFORMED PER 82-02. MQS TO PERFORM MT & PSE&G TO PERFORM VT. W.O. #931121035 & 931105033 TO PERFORM NDE. #14CL BOLT #16 WAS FOUND TO HAVE WASTAGE ON BOLT SHANK. CJP # S-93-262 REPLACED BOLT W/ SATISFACTORY PSI VT.
011475	14-STG-IMB BOLTS-INLET MANWAY	B-G-2 B7.30	VT-1 MT	SCSSISZZ0010Q VSHSSSPZZ0202Q		-		A FLORESCENT MT EXAM TO BE PERFORMED PER 82-02. MGS TO PERFORM THE MT & PSE&G TO PERFORM VT. W.O. #931105033 & 931121035 TO PERFORM NDE.

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 1 SECTION XI COMPLETE COMPONENTS

CHEMICAL	AND	VOLUME	CONTROL	SYSTEM

OHENT CA	E AND TOLONE CONTROL STEEL							
	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R	G E O M		REMARKS **CALIBRATION BLOCK**
	12-CV-1143 (REF. DWG. NO. A-8)							
011700	12-CV-1143-3 PIPE TO ELBOW	B-J B9.11	PT UT45 UT45T UT45TAN	VS1SSISZZ0003Q VS1SSISZZ0014Q	- X	- X -	- -	W.O.#931121035 TO PERFORM NDE. THE UT45 INDICATIONS ARE GEOMETRIC REFLECTORS FROM THE WELD ROOT AND COUNTERBORE. **12-SS-160-1.283-21-SAM**
	3-CV-1141 (REF. DWG. NO. A-9)							
016701	3-CV-1141-14 VALVE TO ELBOW	A-E NB88-08	PT UT45 UT45T UT45TAN	VS1SSISZZ0003Q VS1SSISZZ0014Q	X	-	-	EXAMINED PER NRC BULLETIN 88-08. W.O.#931121035 TO PERFORM NDE. **3-SS-160451-30-SAM**
016801	3-CV-1141-15 ELBOW TO BRANCH CONNECTION	A-E NB88-08	PT UT45 UT45T UT45TAN	VS1SSISZZ0003Q VS1SSISZZ0014Q	- X	X -	-	W.O.#931121035 TO PERFORM NDE. THE UT45 INDICATION IS A GEOMETRIC REFLECTOR FROM
	2-CV-1175 (REF. DWG. NO. A-11,	A-12)						
022001	2-CV-1175-35 VALVÉ TO PIPE	A-E NB88-08	PT UT45 UT45T UT70	VS1SSISZZ0003Q VS1SSISZZ0016Q	X		-	EXAMINED PER NRC BULLETIN 88-08. W.O.#931121035 TO PERFORM NDE. **1.5-SS-COUP-111-SAM**
022101	2-CV-1175-36 PIPE TO TEE	A-E NB88-08	PT ' UT45 UT45T UT70	VS1SSISZZ0003Q VS1SSISZZ0016Q	X	-	<u>-</u>	EXAMINED PER NRC BULLETIN 88-08. W.O.#931121035 TO PERFORM NDE. **1.5-SS-COUP-111-SAM**

DATE: 03/04/94 REVISION: 0 SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 1 SECTION XI COMPLETE COMPONENTS

PRESSURE RELIEF SYSTEM

SUMMARY Number	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	_	G E O M	H	REMARKS **CALIBRATION BLOCK**
026600	4-PR-1100 (REF. DWG. NO. A-16)	B-J	PT	VS1SSISZZ0003Q	v	-	_	W.O.#931121035 TO PERFORM NDE.
02000	PIPE TO TEE	B9.11	UT45 UT45T UT45TAN	VS1SSISZZ00034 VS1SSISZZ0014Q		-		**4-SS-160533-28-SAM-R**
	3-PR-1107 (REF. DWG. NO. A-16)							
027400	3-PR-1107-6 PIPE TO ELBOW	B-J B9.21	PT	VS1SSISZZ0003Q	X	-	-	W.O.#931121035 TO PERFORM NDE.
027600	3-PR-1107-8 PIPE TO ELBOW	B-J B9.21	PΤ	vs1ss1szz0003q	x		-	W.O. 931121035 TO PERFORM NDE.
	3-PR-1106 (REF. DWG. NO. A-17)							
028500	3-PR-1106-3 ELBOW TO PIPE	B-J B9.21	PT	VS1SSISZZ0003Q	X	-	-	W.O.#931121035 TO PERFORM NDE.

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OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 1 SECTION XI COMPLETE COMPONENTS

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<u> </u>	22.110 9.14.2.1		*		N		0	
	* *	ASME		el e	•••	G	-	
		SEC. XI			R	E	н	
SUMMARY	EXAMINATION AREA	CATGY	EXAM			0		REMARKS
	IDENTIFICATION	ITEM NO		PROCEDURE		M	R	**CALIBRATION BLOCK**
					-	-	-	020020000000000000000000000000000000000
	4-PS-1131 (REF. DWG. NO. A-19,	20 21)						,
	4 70 1151 (KET: DWG: NO: K 17;	20,217		*				
031900	4-PS-1131-13	B-J	PT	VS1SSISZZ0003Q	¥	_	-	W.O.#931121035 TO PERFORM NDE.
001700	ELBOW TO VALVE	B9.11	UT45	VS1SSISZZ00149		_		William In Fernanda
	LEBON TO VALVE		UT45T	10100102200144		-		
			UT45TAN			-		
			UI43IAN	,	^		_	**4-SS-160533-28-SAM-R**
				•				***4*35*10U*.333*20*5AM*K**
•							•	
070700	/ 00 4474 47			V040010770070				11 0 #07440407E TO DEDCODE UDE THE HT/E
032300	4-PS-1131-17	B-J	PT	VS1SSISZZ0003Q			•	_
	ELBOW TO PIPE	B9.11	UT45	VS1SSISZZ0014Q			-	
			UT45T				-	FROM THE INSIDE SURFACE AND WELD ROOT.
			UT45TAN	,	X	-	-	
	•							**4-SS-160533-28-SAM-R**
	•			x				
	•							•
032700	4-PS-1131-21	B-J	PT	VS1SSISZZ0003Q	X	-	-	W.O.#931121035 TO PERFORM NDE.
	PIPE TO TEE	B9.11	UT45	VS1SSISZZ0014Q	X	-	-	
		•	UT45T	*	X	-	-	
			UT45TAN	•	X	-	-	
		•						**4-\$\$-160533-28-\$AM-R**
,							•	•
								¢.
	4-PS-1111 (REF. DWG. NO. A-22)							
				*				•
035700	4-PS-1111-15	B-J	PT	V\$1SS1SZZ0003Q	X	-	-	W.O.#931121035 TO PERFORM NDE.
	ELBOW TO VALVE	B9.11	UT45	VS1SSISZZ0014Q	Х	-	-	
	•		UT45T	•	X	-	-	
			UT45TAN		Х	-	-	
•				,				**4-SS-160533-28-SAM-R**
	The state of the s							
. 036300	4-PS-1111-21	B-J	PT ·	VS1SS1SZZ0003Q	¥	_	-	W.O.#931121035 TO PERFORM NDE. THE UT45
020200	ELBOW TO PIPE	B9.11	UT45	VS1SSISZZ0014Q			-	
	ELDOW TO PIPE	U7.11	UT45T	1013131200144			_	THE COUNTERBORE.
,	,							THE COURTERBORE.
,	• •		UT45TAN		X	-	-	**/ ** */* F77 20 *** P**
								4-SS-160533-28-SAM-R

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SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 1 SECTION XI COMPLETE COMPONENTS

REACTOR COOLANT SYSTEM

NEAD TOK	COOLANT STOTEM	ASME			N	G	0 T	
		SEC. XI			R	E	H	
	EXAMINATION AREA IDENTIFICATION	CATGY ITEM NO	EXAM METHOD	PROCEDURE		O M	_	REMARKS **CALIBRATION BLOCK**
						-	-	
	29-RC-1140 (REF. DWG. NO. A-27	2						
047301	29-RC-1140-1 NOZZLE TO SAFE-END	B-F B5.130	PT	VS1SSISZZ0003Q	X	-	-	W.O.#931121035 TO PERFORM NDE. FOR SMD TO REMOVE THE SANDBOX COVERS, SEE W.O.# 930601187.
								37-SAM/76-SAM
047401	29-RC-1140-2 SAFE-END TO PIPE	B-J B9.11	PT	VS1SSISZZ0003Q	X	-	-	W.O.#931121035 TO PERFORM NDE. FOR SMD TO REMOVE THE SANDBOX COVERS, SEE W.O.# 930601187. **2.312-SS-37-SAM**
	29-RC-1120 (REF. DWG. NO. A-29	22						
050901	29-RC-1120-1 NOZZLE TO SAFE-END	8-F 85.130	PT	VS1SSISZZ0003Q	~X	-	•	W.O.#931121035 TO PERFORM NDE. FOR SMD TO REMOVE THE SANDBOX COVERS, SEE W.O.# 930601187. **37-SAM/76-SAM**
051001	29-RC-1120-2 SAFE-END TO PIPE	B-J B9.11	PT	VS1SSISZZ0003Q	X	-	-	W.O.#931121035 TO PERFORM NDE. FOR SMD TO REMOVE THE SANDBOX COVERS, SEE W.O.# 930601187. **2.312-SS-37-SAM**
				÷				
	27.5-RC-1130 (REF. DWG. NO. A-	32)						
057201	27.5-RC-1130-4 . ELBOW TO SAFE-END"	B-J B9.11	PT	VS1SSISZZ0003Q	X	•	-	W.O.#931121035 TO PERFORM NDE. FOR SMD TO REMOVE THE SANDBOX COVERS, SEE W.O.# 930601187. **2.312-SS-37-SAM**
057301	27.5-RC-1130-5	B-F	PT	VS1SSISZZ0003Q	x		_	W.O.#931121035 TO PERFORM NDE. FOR SMD
	SAFE-END TO NOZZLE	B5.130						TO REMOVE THE SANDBOX COVERS, SEE W.O.# 930601187. **37-SAM/76-SAM**
	27.5-RC-1110 (REF. DWG. NO. A-	<u>34)</u>		*				
059901	27.5-RC-1110-4 ELBOW TO SAFE-END	8-J B9.11	PT	VS1SSISZZ0003Q	X	•	-	W.O.#931121035 TO PERFORM NDE. FOR SMD TO REMOVE THE SANDBOX COVERS, SEE W.O.# 930601187. **2.312-SS-37-SAM**

DATE: 03/04/94 REVISION: 0

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 1 SECTION XI COMPLETE COMPONENTS

REACTOR COOLANT SYSTEM

ASME O G T SEC. XI R E H

SUMMARY EXAMINATION AREA CATGY EXAM E O E REMARKS

NUMBER IDENTIFICATION ITEM NO METHOD PROCEDURE C M R **CALIBRATION BLOCK**

27.5-RC-1110 (REF. DWG. NO. A-34)

060001 27.5-RC-1110-5 B-F PT VS1SSISZZ0003Q X - - W.O.#931121035 TO PERFORM NDE. FOR SMD SAFE-END TO NOZZLE B5.130 TO REMOVE THE SANDBOX COVERS, SEE W.O.#

930601187.

37-SAM/76-SAM

PAGE:

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PAGE:

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (\$1RFO#11, REV.0)

SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 1 SECTION XI COMPLETE COMPONENTS

SAFETY	' INJECT	ION S'	YSTEM

	EXAMINATION AREA IDENTIFICATION 12-SJ-1151 (REF. DWG. NO. A-53	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	H	REMARKS **CALIBRATION BLOCK**
094700	12-SJ-1151-3 ELBOW TO PIPE 10-SJ-1141 (REF. DWG. NO. A-54	B-J - B9.11	PT UT45 UT45T UT45TAN UT0	V\$1\$\$I\$ZZ0003Q V\$1\$\$I\$ZZ0014Q V\$1\$\$I\$ZZ0018Q	X X	x - -	-	W.O. #931121035 TO PERFORM NDE. THIS WELD REPLACES SUMMARY #094600, DUE TO A HANGER OBSTRUCTION. THE UT45 INDICATIONS ARE GEOMETRIC REFLECTORS FROM THE WELD ROOT. **12-SS-160-1.283-21-SAM**
096700	10-SJ-1141-14 VALVE TO TEE	B-J B9.11	PT UT45 UT45T	VS1SSISZZ0003Q VS1SSISZZ0014Q	-	-	X	W.O.#931121035 TO PERFORM NDE. LIMITATION: THE EXAM IS LIMITED TO 0% COVERAGE, DUE TO VALVE \ TEE CONFIGURATION. **10-SS-160-1.119-22-SAM**
105000	8-SJ-1162 (REF. DWG. NO. A-58, 8-SJ-1162-5 PIPE TO PIPE 8-SJ-1152 (REF. DWG. NO. A-60,	8-J 89.11	PT UT45 UT45T UT45TAN	VS1SSISZZ0003Q VS1SSISZZ0014Q	- X	X	- 	W.O.#931121035 TO PERFORM NDE. THE UT45 INDICATIONS ARE GEOMETRIC REFLECTORS FROM THE WELD ROOT. **8-SS-XX860-23-SAM**
109600		B-K-1 . B10.10	PT .	VS1SSISZZ0003Q	X	-	-	W.O.#931121035 TO PERFORM NDE.
109900	8-SJ-1152-6 PIPE TO ELBOW	8-J 89.11	PT UT45 UT45T UT45TAN	VS1SSISZZ0003Q VS1SSISZZ0014Q	X	X	-	INDICATIONS ARE GEOMETRIC INDICATIONS
129000	4-SJ-1182 (REF. DWG. NO. A-74) 4-SJ-1182-14 PIPE TO ELBOW	B-J B9.11	PT UT45 UT45T UT45TAN	VS1SSISZZ0003Q VS1SSISZZ0014Q	×	X	-	W.O.#931121035 TO PERFORM NDE. THE UT45 INDICATIONS ARE GEOMETRIC REFLECTORS FROM THE WELD ROOT. **4-SS-160533-28-SAM-R**

DATE: 03/04/94 REVISION: 0 SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 1 SECTION XI COMPLETE COMPONENTS

SAFETY INJECTION SYSTEM

		ASME SEC. XI			N O R	G E	O T H	
SUMMARY	EXAMINATION AREA	CATGY	EXAM		E	0		REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	C	M	R	**CALIBRATION BLOCK**
				,	-	-	-	
	4-SJ-1172 (REF. DWG. NO. A-75)			r				
131200	4-sJ-1172-5	B-J	PΤ	VS1SSISZZ0003Q	· -	-	X	W.O.#931121035 (NDE). THE PT EXAM
	ELBOW TO PIPE	B9.11	PT ,			-	,	REVEALED 6 LINEAR RECORDABLE
			UT45	VS1SSISZZ0014Q		X		INDICATIONS. DURING THE RELEVANCY
	•		UT45T UT45TAN			-	-	DETERMINATION PROCESS, SURFACE CONDITIONING PROCEEDED A RE-EXAM WITH NO
			U1451AN		^	-	-	LINEAR INDICATIONS IDENTIFIED. UT45 GEOMETRIC, DUE TO WELD COUNTERBORE. **4-SS-160533-28-SAM-R**
133800	4-SJ-1172-28	B-J	PT	VS1SSISZZ0003Q				
	TEE TO REDUCER	в9.11	UTOL UT45	VS1SSISZZ0018Q VS1SSISZZ0014Q			-	
			UT45T	43 (331,32200 (4W		-		THE WELD ROOT.
	•		UT45TAN				-	**4-SS-160533-28-SAM-R**
	3-SJ-1192 (REF. DWG. NO. A-72)							
134700	3-SJ-1192-8A PIPE TO PIPE	B-J B9.21	PT	VS1SSISZZ0003Q	X	•	-	W.O.#931121035 TO PERFORM NDE.
	2-SJ-1147 (REF. DWG. NO. A-78)		٤					
141500	2-SJ-1147-8FB FLANGE BOLTING	в-G-2 в7.50	VT-1	SCSSISZZ0010Q	Х	-	-	w.o.# 920810139 & 931121035.
	PLANGE BOLITING	B1.30						
	. 11							
	2-SJ-1137 (REF. DWG. NO. A-80)			·				,
147900	2-SJ-1137-10FB	B-G-2	VT-1	SCSSISZZ0010Q	x	_	-	W.O.# 920810145 & 931121035.
,	FLANGE BOLTING	B7.50						
	2 21 4420 4855 212 112 112 2	0/ 05:						:
	2-SJ-1128 (REF. DWG. NO. A-83,	84,85)				-		·
155500	2-SJ-1128-2FB	B-G-2	VT-1	SCSSISZZ0010Q	X	-	-	W.O.# 920810149 & 931121035.
	FLANGE BOLTING	B7.50						

1.5-SS-COUP-111-SAM

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 1 SECTION XI COMPLETE COMPONENTS

SAFETY INJECTION SYSTEM

<u> </u>	1113 C 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2				41		_	
	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E			
					-	-	-	
	2-SJ-1128 (REF. DWG. NO. A-83,	84.85)						
158200	2-SJ-1128-29 ELBOW TO PIPE	B-J B9.40	PT	VS1SSISZZ0003Q	x	-	-	W.O. #931121035 TO PERFORM NDE. THIS WELD REPLACES SUMMARY #157900, DUE TO HANGER INTERFERENCE.
158600	2-SJ-1128-32 PIPE TO COUPLING	B-J B9.40	PT .	VS1SS1SZZ0003Q	x	-	-	W.O. #931121035 TO PERFORM NDE. THIS EXAM REPLACES SUMMARY #159100, DUE TO ALARA CONCERNS. SUMMARY #159100 WAS LOCATED IN THE DECAY TUNNEL.
	2-SJ-1118 (REF. DWG. NO. A-87,	A-88)						·
165800	2-SJ-1118-4FB Flange Bolting	B-G-2 B7.50	VT-1	SCSSISZZ0010Q	x	-	-	W.O.# 920810151 & 931121035.
	1.5-SJ-1142 (REF. DWG. NO. A-8	9,90,91)						
174300	1 1/2-SJ-1142-43 ELBOW TO PIPE	B-J B9.40	PT	VS1SSISZZ0003Q	x	-	-	W.O. #931121035 TO PERFORM NDE. THIS WELD REPLACED SUMMARY #174100, DUE TO A HANGER OBSTRUCTION.
174900	1 1/2-SJ-1142-49R PIPE TO VALVE	8-J B9.40	PT	VHSSSSPZZ0206Q	X	•	-	PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD PER DCP 1E0-2309, CJP# S-93-184 & W.O# 920508129.
	· · ·					•		
175001	1 1/2-SJ-1142-50R VALVE TO PIPE	A-E NB88-08	PT UT	VHSSSSPZZ0206Q	x	-	-	W.O.#931121035 TO PERFORM NDE. PSI BASELINE EXAMINATION WAS PERFORMED, DUE
								TO THE REPLACEMENT OF THIS WELD PER DCP 1E0-2309, CJP# S-93-184 & W.O# 920508129. **1.5-SS-COUP-111-SAM**
	1 1/2-SJ-1142-51R PIPE TO ELBOW	A-E NB88-08	PT UT	VHSSSSPZZ0206Q	x	-	-	88-08 EXAMS WAIVED, REPLACEMENT. W.O.#931121035 TO PERFORM NDE. PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD PER DCP 1EO-2309, CJP# S-93-184 & W.O# 920508129.

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 1 SECTION XI COMPLETE COMPONENTS

SAFETY INJECTION SYSTEM

	EXAMINATION AREA IDENTIFICATION .	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	H	REMARKS **CALIBRATION BLOCK**
	1.5-SJ-1142 (REF. DWG. NO. A	-89,90,91)						
175201	1 1/2-SJ-1142-52 ELBOW TO PIPE	A-E NB88-08	PT UT45 UT45T UT70	VHSSSSPZZ0206Q VS1SSISZZ0016Q	X	-	-	EXAMINED PER NRC BULLETIN 88-08. W.O. #931121035 TO PERFORM NDE. **1.5-SS-COUP-111-SAM**
175301	1 1/2-SJ-1142-53 PIPE TO BRANCH CONNECTION	A-E NB88-08	PT UT45 UT45T UT70	VS1SSISZZ0003Q VS1SSISZZ0016Q	X X	-	-	EXAMINED PER NRC BULLETIN 88-08. W.O.#931121035 TO PERFORM NDE. **1.5-SS-COUP-111-SAM**
	1.5-SJ-1132 (REF. DWG. NO. A	-92, A-93)	,					
179500	1 1/2-SJ-1132-39R PIPE TO VALVE	B-J B9.40	PT	VHSSSSPZZ0206Q	x	-	-	PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD PER DCP 1E0-2309, CJP# S-93-183 & W.O# 921117149.
179601	1 1/2-SJ-1132-40R VALVE TO PIPE	A-E NB88-08	PT UT	VHSSSSPZZ0206Q	x	-		88-08 EXAMS WAIVED, REPLACEMENT. W.O.#931121035 TO PERFORM NDE. PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD PER DCP 1E0-2309, CJP# S-93-183 & W.O# 921117149. **1.5-SS-COUP-111-SAM**
179701	1 1/2-SJ-1132-41R PIPE TO ELBOW	A-E NB88-08		VHSSSSPZZ0206Q	x	-	-	88-08 EXAMS WAIVED, REPLACEMENT. W.O.#931121035 TO PERFORM NDE. PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD PER DCP 1E0-2309, CJP# S-93-183 & W.O# 921117149. **1.5-SS-COUP-111-SAM**
179801	1 1/2-SJ-1132-42 ELBOW TO PIPE	A-E NB88-08	PT UT45 UT45T UT70	VHSSSSPZZ0206Q VS1SSISZZ0016Q	X X	-	- -	

1.5-SS-COUP-111-SAM

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 1 SECTION XI COMPLETE COMPONENTS

SAFETY INJECTION SYSTEM

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R			REMARKS **CALIBRATION BLOCK**
	1.5-SJ-1132 (REF. DWG. NO. A-9	2, A-93)						•
179901	1 1/2-SJ-1132-43 PIPE TO BRANCH CONNECTION	A-E NB88-08	PT UT45 UT45T UT70	VS1SSISZZ0003Q VS1SSISZZ0016Q	X X			
	1.5-SJ-1122 (REF. DWG. NO. A-9	4. A-95)				-		,
184600	1 1/2-SJ-1122-41R TEE TO PIPE	B-J B9.40	PT	VHSSSSPZZ0206Q	x	-	-	PSI BASELINE EXAMINATION WAS PERFORMED. DUE TO THE REPLACEMENT OF THIS WELD PER DCP 1EO-2309, CJP# S-93-181 & W.O.3 930709175.
184700	1 1/2-SJ-1122-42R PIPE TO VALVE	B-J B9.40	PT	VHSSSSPZZ0206Q	x	-	-	PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD PER DCP 1E0-2309, CJP# S-93-181 & W.O# 930709175.
184801	1 1/2-SJ-1122-43R VALVE TO PIPE	A-E NB88-08	PT UT	VHSSSSPZZ0206Q	x	-	-	88-08 EXAMS WAIVED, REPLACEMENT. W.O.#931121035 TO PERFORM NDE. PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD PER DCP 1E0-2309, CJP# S-93-181 & W.O# 930709175. **1.5-SS-COUP-111-SAM**
184901	1 1/2-SJ-1122-44 PIPE TO ELBOW	A-E NB88-08	PT UT45 UT45T UT70	VHSSSSPZZ0206Q VS1SSISZZ0016Q	X	-	-	EXAMINED PER NRC BULLETIN 88-08. W.O. #931121035 TO PERFORM NDE. **1.5-SS-COUP-111-SAM**
	1 1/2-SJ-1122-45 ELBOW TO PIPE	A-E NB88-08	PT UT45 UT45T UT70	VHSSSSPZZ0204Q VS1SSISZZ0016Q	X X	-	-	EXAMINED PER NRC BULLETIN 88-08. W.O. #931121035 TO PERFORM NDE. **1.5-SS-COUP-111-SAM**
	1 1/2-SJ-1122-46 PIPE TO BRANCH CONNECTION	A-E NB88-08	PT UT45 UT45T UT70	VS1SSISZZ0003Q VS1SSISZZ0016Q	X	•	-	EXAMINED PER NRC BULLETIN 88-08. W.O.#931121035 TO PERFORM NDE.

1.5-SS-COUP-111-SAM

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 1 SECTION XI COMPLETE COMPONENTS

SAFETY INJECTION SYSTEM

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	N O R E C	G E O M	H E	REMARKS **CALIBRATION BLOCK**
	1.5-SJ-1112 (REF. DWG. NO. A	-96, A-97)						
190100	1 1/2-SJ-1112-49R PIPE TO VALVE	B-J B9.40	PT	VHSSSSPZZ0206Q	x	-	•	PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD PER DCP 1E0-2309, CJP# s-93-182 & W.O# 921117147.
190201	1 1/2-SJ-1112-50R VALVE TO PIPE	A-E NB88-08	PT UT	VHSSSSPZZ0206Q	X	-	-	88-08 EXAMS WAIVED, REPLACEMENT. W.O.#931121035 TO PERFORM NDE. PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD PER DCP 1E0-2309, CJP# S-93-182 & W.O# 921117147. **1.5-SS-COUP-111-SAM**
190301	1 1/2-SJ-1112-51R PIPE TO ELBOW	A-E NB88-08	PT UT	VHSSSSPZZ0206Q	x	-	- <u>-</u>	88-08 EXAMS WAIVED, REPLACEMENT. W.O.#931121035 TO PERFORM NDE. PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD PER DCP 1E0-2309, CJP# s-93-182 & w.O# 921117147. **1.5-SS-COUP-111-SAM**
190401	1 1/2-SJ-1112-52 ELBOW TO PIPE	A-E NB88-08	PT UT45 UT45T UT70	VHSSSSPZZ0206Q VS1SSISZZ0016Q	X			
190501	1 1/2-SJ-1112-53 PIPE TO BRANCH CONNECTION	A-E NB88-08	PT UT45 UT45T UT70	vs1ss1szz0003q vs1ss1szz0016q	X X	-	-	EXAMINED PER NRC BULLETIN 88-08. W.O.#931121035 TO PERFORM NDE. **1.5-SS-COUP-111-SAM**

3S-76P917 "TOP SIDE ONLY". LIMITED UT, DUE TO THE BORE AND BOLT HOLES.

42-SAM

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SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 1 SECTION XI COMPLETE COMPONENTS

REACTOR	COOLANT	PUMP	12

SUMMARY	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	E	G E O M	H	REMARKS **CALIBRATION BLOCK**
	INTEGRALLY WELDED SUPPORTS (RE	F. DWG. N	O. A-98)	٠				
191800	12-PMP-1LG LUG	B-K-1 B10.20	PT	VS1SSISZZ0003Q	x	-	-	W.O.#931121035 TO PERFORM NDE. LIMITATION: THE EXAM IS LIMITED TO 72% COVERAGE, DUE TO THE PUMP BRACING AT THE BOTTOM OF THE LUG.
191850	12-PMP-2LG LUG	B-K-1 B10.20	PT	VS1SSISZZ0003Q	x	-	•	W.O.#931121035 TO PERFORM NDE. LIMITATION: THE EXAM IS LIMITED TO 72% COVERAGE, DUE TO THE PUMP BRACING AT THE BOTTOM OF THE LUG.
191900	12-PMP-3LG LUG	B-K-1 B10.20	PT	VS1SSISZZ0003Q	x	•	-	W.O.#931121035 TO PERFORM NDE. LIMITATION: THE EXAM IS LIMITED TO 76% COVERAGE, DUE TO THE PUMP BRACING AT THE BOTTOM OF THE LUG.
	PUMP MOTOR FLYWHEEL (REF. DWG.	NO. A-98	1	÷				
192101	12-PMP-FLW PUMP MOTOR FLYWHEEL (IN-PLACE)	A-E RG1.14	UTOL UT45	VS1SSISZZ0001Q			-	PERFORM IN-PLACE UT EXAMINATION PER PER NRC REGULATORY GUIDE 1.14 & W.O. #931121035 ON RCP MOTOR FLYWHEEL S/N

ON THE RCP MOTOR FLYWHEEL S/N 2S-76P917 "TOP SIDE ONLY". LIMITED UT, DUE TO

BORE AND BOLT HOLES.

42-SAM

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 1 SECTION XI COMPLETE COMPONENTS

REACTOR COOLANT PUMP 14

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	H	REMARKS **CALIBRATION BLOCK**
	INTEGRALLY WELDED SUPPORTS (RE	F. DWG. NO	<u>). A-98)</u>					
193400	14-PMP-1LG LUG	B-K-1 B10.20	PT	VS1SSISZZ0003Q	x	-	-	W.O.#931121035 TO PERFORM NDE. LIMITATION: THE EXAM IS LIMITED TO 77% COVERAGE, DUE TO THE PUMP BRACING AT THE BOTTOM OF THE LUG.
193450	14-PMP-2LG Lug	B-K-1 B10.20	РT	VS1SSISZZ0003Q	X	-	-	W.O.#931121035 TO PERFORM NDE. LIMITATION: THE EXAM IS LIMITED TO 74% COVERAGE, DUE TO THE PUMP BRACING AT THE BOTTOM OF THE LUG.
193500	14-PMP-3LG LUG	B-K-1 B10.20	PT	VS1SSISZZ0003Q	X	-	-	W.O.#931121035 TO PERFORM NDE. LIMITATION: THE EXAM IS LIMITED TO 76%, DUE TO THE PUMP BRACING AT THE BOTTOM OF THE LUG.
	PUMP MOTOR FLYWHEEL (REF. DWG.	NO. A-98	Σ	·.				,
193701	14-PMP-FLW PUMP MOTOR FLYWHEEL (IN-PLACE)	A-E RG1.14	UTOL UT45	VS1SSISZZ0001Q			-	

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 1 SECTION XI COMPLETE COMPONENTS

VALVES

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM	PROCEDURE	R E	G E O M	H	REMARKS **CALIBRATION BLOCK**
193870	VALVE BODIES 12 SJ 55 VB ON LINE 10-SJ-1121	B-M-2 B12.50	VT-3	\$1\$\$I\$ZZ0010Q	x	-	<u>.</u>	W.O. 931121035 TO PERFORM NDE.
	BOLTING (REF. DWG. NO. A-10)							
194100	1 CV 78 ON LINE 3-CV-1133	B-G-2 B7.70	VT-1	SCSSISZZ0010Q	-	-	X	W.O.# 920810209 AND 931121035 TO PERFORM NDE. ONE (1) STUD WAS FOUND WITH INADEQUATE THREAD ENGAGEMENT. A DR WAS ISSUED TO SYSTEM ENGINEERING. W.O. #93100204 CORRECTED THE THREAD ENGAGEMENT PROBLEM. A SATISFACTORY RE-EXAM WAS PERFORMED.
	BOLTING .							
194700	1 PR 1 ON LINE 3-PR-1106	B-G-2 B7.70	VT-1	SCSSISZZ0010Q	x		-	PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO DCP 1EC-3219-1, CJP# PS-93-053 & W.O.# 930126150. NEW STUDS AND NUTS WERE INSTALLED.
194800	1 PR 2 ON LINE 3-PR-1107	B-G-2 B7.70	VT-1	SCSSISZZ0010Q	x	-	-	PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO DCP 1EC-3219-1, CJP# PS-93-054 & W.O.# 930126150. NEW STUDS AND NUTS WERE INSTALLED.
195400	1 PS 1 ON LINE 4-PS-1111	B-G-2 B7.70	VT-1	SCSSISZZ00100	x	-	-	THE BOLTING WAS REPLACED PER 1EC-3249-1/PS-93-056/930708108 & 931121035.
195500	1 PS 3 ON LINE 4-PS-1131	B-G-2 B7.70	VT-1	SCSSI SZZ0010Q	X .	-	-	THE BOLTING WAS REPLACED PER 1EC-3249-1/PS-93-057/930708111 & 931121035.
197000	11 SJ 43 ON LINE 6-SJ-1112	B-G-2 B7.70	ντ-1	SCSSISZZ00100	x	-	•	W.O.# 920810155 AND 931121035 TO PERFORM NDE.

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 1 SECTION XI COMPLETE COMPONENTS

AVEACO

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	_	G E O M	O T H E R	REMARKS **CALIBRATION BLOCK**
	BOLTING (REF. DWG. NO. A-68)		÷=,					
197900	12 SJ 43 ON LINE 6-SJ-1122	B-G-2 B7.70	VT-1	SCSSISZZ00100	x	-	-	W.O.# 920810158 AND 931121035 TO PERFORM NDE.
	BOLTING (REF. DWG. NO. A-56)							
198200	12 SJ 55 ON LINE 10-SJ-1121	B-G-2 B7.70	VT-1	SCSSI SZZ00100	-	-	X .	W.O.# 920810195 & 931121035 TO PERFORM NDE. THE VT-1 EXAM REVEALED BORON RESIDUE BETWEEN THE VALVE BODY TO BONNET. THE VALVE WAS DISASSEMBLED & INSPECTED & BOLTING MATERIAL WAS REPLACED UNDER W.O. # 931002074 & CJP
								# \$-93-250.
198300	12 SJ 56 ON LINE 10-SJ-1121	B-G-2 B7.70	VT-1	SCSSISZZ00100	x	-	=	W.O.# 920810203
	DOLTING (DEF. DUG. No. 4 (/)							
198800	BOLTING (REF. DWG. NO. A-66) 13 SJ 43 ON LINE 6-SJ-1132	B-G-2 B7.70	VT-1	SCSSISZZ00100	-	-	X	W.O.# 920810161 & 931121035 TO PERFORM NDE. BORON RESIDUE WAS FOUND ON SEVERAL STUDS. W.O. #931026136 REMOVED THE BORON AND A SATISFACTORY VT RE-EXAM WAS PERFORMED.
	- 1 - 15 2						•	
	BOLTING (REF. DWG. NO. A-67)							
199200	13 SJ 156 ON LINE 6-SJ-1131	B-G-2 B7.70	VT-1	SCSSISZZ00100	X	•	•	W.O.# 920810173
							÷	
	BOLTING							
199500	14 RH 27 ON LINE 8-SJ-1145	8-G-2 B7.70	VT-1	SCSSISZZ0010Q	X	-	•	THE BOLTING MATERIAL WAS REPLACED IN ACCORDANCE WITH CJP #S-93-249 & W.O. #940326008.
400100								
	14 SJ 43 ON LINE 6-SJ-1142	B-G-2 B7.70	VT-1	SCSSISZZ0010Q	X	.*	-	W.O.# 920810162 AND 931121035 TO PERFORM NDE.

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)

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PAGE:

ENGAGEMENT WAS CORRECTED.

SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 1 SECTION XI COMPLETE COMPONENTS

VALVES

CLASS I SECTION XI COMPLETE COMPONENTS

SUMMARY Number		ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	O R E C	G E O M	H E	REMARKS **CALIBRATION BLOCK**
199700	BOLTING (REF. DWG. NO. A-54) 14 SJ 54 ON LINE 10-SJ-1141	B-G-2 B7.70	VT-1	SCSSISZZ0010Q	-	-	x	W.O.# 920810207 & 931121035 TO PERFORM NDE. THE VT REVEALED BORON RESIDUE ON THE STUDS. W.O. #931013197 WAS INITIATED TO CLEAN OFF THE BORON. AFTER THE BORON WAS REMOVED A SATISFACTORY VT-1 EXAM WAS PERFORMED.
199800	14 SJ 55 ON LINE 10-SJ-1141	B-G-2 B7.70	VT-1	SCSSISZZ0010Q	x	-	-	W.O.# 920810201
199900	14 SJ 56 ON LINE 10-SJ-1141	B-G-2 B7.70	VT-1	scssIszz00100	-	-	x	W.O.# 920810206 & 931121035 TO PERFORM NDE. THE VISUAL EXAMINATION REVEALED SEVERAL STUDS WITH A LACK OF THREAD ENGAGEMENT. W.O. #930730004 DISSASSEMBLED & INSPECTED THIS VALVE. DURING RE-ASSEMBLY THE LACK OF THREAD

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (\$1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 2 SECTION XI COMPLETE COMPONENTS

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HEAD TANKS, VESSEL 11

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R	G E O M	-	REMARKS **CALIBRATION BLOCK**
	CIRCUMFERENTIAL WELDS (REF. D	WG. NO. B-	4)					
204900	11-HT-1	C-A	UTOL	VS1SSISZZ0018Q	¥	-	_	W.O.#931121035 TO PERFORM NDE.

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

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CLASS 2 SECTION XI COMPLETE COMPONENTS

REACTOR COOLANT FILTER

ASME OGT SEC. XI REH SUMMARY EXAMINATION AREA CATGY EXAM E O E REMARKS C M R NUMBER IDENTIFICATION ITEM NO METHOD PROCEDURE **CALIBRATION BLOCK** CIRCUMFERENTIAL WELDS (REF. DWG. NO. B-6) W.O.#931121035 TO PERFORM NDE. 205020 1-RCF-1 UTOL VS1SSISZZ0018Q C-A X - -UT0W χ - -LIMITATION: EXAM LIMITED TO 74%, DUE TO UPPER HEAD TO FLANGE C1.20 UT45 VS1SSISZZ0012Q x - -CONFIGURATION. **UT45T** X - -**14-SS-10-.250-96-SAM** UT45TAN X - -205030 1-RCF-2 C-A UTOL VS1SSISZZ0018Q X - -W.O.#931121035 TO PERFORM NDE. FLANGE TO SHELL UTOW X - -LIMITATION: EXAM LIMITED TO 86%, DUE TO C1.10 **UT45** VS1SSISZZ0012Q **X** -CONFIGURATION AND WELDED SUPPORT. **UT45T** x - -

x - -

14-SS-10-.250-96-SAM

UT45TAN

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SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (\$1RFO#11, REV.0)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 2 SECTION XI COMPLETE COMPONENTS

REGENERATIVE HEAT EXCHANGER

					N		0	
		ASME			0	G	τ	
		SEC. XI			R	Ē		
SUMMARY	EXAMINATION AREA	CATGY	EXAM		E	0		REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	_	М	_	**CALIBRATION BLOCK**
					-	-	-	""CALIBRATION BLUCK""
	CIRCUMFERENTIAL WELDS (REF. DE	G. NO. B-	· <u>7)</u>					
205105	1-RHE-5	C-A	UTOL	V\$1\$\$1\$ZZ0018Q	v	_	_	W.O.#931121035 TO PERFORM NDE. THE UT45
	CAP TO SHELL	C1.10	UTOW	70100101100104	• • •	-		
	on to one	01.10	UT45	VC400107700470				INDICATION IS A GEOMETRIC REFLECTOR FROM
				VS1SSISZZ0013Q		X		THE INSIDE SURFACE.
			UT45T			-		
			UT60		X	-	-	**9.5-SS-X750-86-SAM**
	•		UT60T		X	-	-	
205120	1-RHE-8		LITO	V0400107700400	.,			
203120	· ···	C-A	UTOL	VS1SSISZZ0018Q		-		W.O.#931121035 TO PERFORM NDE. THE UT45
	SHELL TO CAP	C1.10	UTOW		Х	-	-	AND UT60 INDICATIONS ARE GEOMETRIC
			UT45	VS1SSISZZ0013Q	-	X	-	REFLECTORS FROM THE WELD ROOT.
			UT45T		Х	-	-	
			UT60		-	х	_	**9.5-SS-X750-86-SAM**
			UT60T			-		

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (\$1RFO#11, REV.0) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) PAGE:

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CLASS 2 SECTION XI COMPLETE COMPONENTS

RESIDUAL HEAT REMOVAL HEAT EXCHANGER 11

VESSEL SUPPORT

				·	N		0	
		ASME			0	G	T	
		SEC. XI			R	Ε	Н	
SUMMA	RY EXAMINATION AREA	CATGY	EXAM		Ε	0	Ε	REMARKS
NUMBE	R IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	C	M	R	**CALIBRATION BLOCK**
	•• •			•	-	-	-	
20517	INTEGRALLY WELDED SUPPORTS (RE 11-RHRHEX-1VS VESSEL SUPPORT	C-C C3.10	10. B-8) PT	VS1SSISZZ0003Q	x	-	-	W.O.#931121035 TO PERFORM NDE.
20518	0 11-RHRHEX-2VS	C-C	PΤ	VS1SSISZZ0003Q	X	_		W.O.#931121035 TO PERFORM NDE.

C3.10

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 2 SECTION XI COMPLETE COMPONENTS

FEEDWATER SYSTEM

1222	<u> </u>							
	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	N O R E C	G E O M	H	REMARKS **CALIBRATION BLOCK**
	16-BF-2141 (REF. DWG. NO. B-1	<u>0)</u>						
210601	16-BF-2141-1R REDUCER TO NOZZLE	A-E ATS	RT UT45 UT45T UT60 UT60T	VSHSSSPZZ0210Q VS1SSISZZ0017Q	- X -	х - х		AND 60 DEGREE INDICATIONS ARE GEOMETRIC
•	16-BF-2131 (REF. DWG. NO. B-1	<u>1)</u>						
213401	16-BF-2131-1R ELBOW TO NOZZLE	A-E ATS	RT UT45 UT45T UT60 UT60T	VSHSSSPZZ0210Q VS1SSISZZ0017Q	X X	- - x	-	60 DEGREE INDICATION IS A GEOMETRIC REFLECTOR FROM THE WELD ROOT.
	16-BF-2121 (REF. DWG. NO. B-1	2)	•					
217791	16-BF-2121-1R REDUCER TO NOZZLE	A-E ATS	RT UT45 UT45T UT60 UT60T	VSHSSSPZZ0210Q VS1SSISZZ0017Q	- x -	х - х		45 AND 60 DEGREE INDICATIONS ARE GEOMETRIC REFLECTORS FROM THE WELD ROOT.
	16-BF-2111 (REF. DWG. NO. B-1	<u>3)</u>						
220573	16-BF-2111-1R REDUCER TO NOZZLE	A-E ATS	•	VSHSSSPZZ0210Q VS1SSISZZ0017Q	×	x -		45 AND 60 DEGREE INDICATIONS ARE GEOMETRIC REFLECTORS FROM THE WELD ROOT.

X - - **116-SAM**

UT60T

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 2 SECTION XI COMPLETE COMPONENTS

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MAIN STEAM SYSTEM

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	_	•	
227600	32-MS-2141-1 NOZZLE TO REDUCER	C-F-2 C5.51	MT UT45 UT45T	VS1SSISZZ0002Q VS1SSISZZ0017Q	· X			W.O.#931121035 TO PERFORM NDE. **32-CS-XX-1.618-47-SAM**
229900	32-MS-2121 (REF. DWG. NO. B-27 32-MS-2121-2PS-1 PIPE SUPPORT	C-C C3.20	мт	vs1ss1szz0002q	x	-	-	W.O.#931121035 TO PERFORM NDE.
232000	30-MS-2141 (REF. DWG. NO. B-25 30-MS-2141-1 REDUCER TO ELBOW	C-F-2 C5.51	MT UT45 UT45T		-	X	-	W.O.#931121035 TO PERFORM NDE. THE UT45 INDICATIONS ARE GEOMETRIC REFLECTORS FROM THE WELD ROOT. **PL-1.5-CS-65-SAM**
232040	30-MS-2141-1LD-I LONGITUDINAL	C-F-2 C5.52	MT UT45 UT45T	VS1SSISZZ0002Q VS1SSISZZ0017Q	X		-	W.O.#931121035 TO PERFORM NDE. EXAMINE 2.5T OF WELD LENGTH. **PL-1.5-CS-65-SAM**
232080	30-MS-2141-1LD-O LONGITUDINAL	C-F-2 C5.52	MT UT45 UT45T	VS1SSISZZ0002Q VS1SSISZZ0017Q	X		-	W.O.#931121035 TO PERFORM NDE. EXAMINE 2.5T OF WELD LENGTH. **PL-1.5-CS-65-SAM**

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (\$1RFO#11, REV.0)

PRESSURE RELIEF SYSTEM

SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 2 SECTION XI COMPLETE COMPONENTS

SEC. XI REH SUMMARY EXAMINATION AREA CATGY E O E REMARKS FXAM

ASME

NUMBER IDENTIFICATION ITEM NO METHOD PROCEDURE **CALIBRATION BLOCK**

12-PR-2101 (REF. DWG. NO. B-37, B-38)

254900 12-PR-2101-2 C-F-1 VS1SSISZZ0003Q W.O. #931121035 TO PERFORM NDE. THIS

PIPE TO PIPE C5.11 UT45 VS1SSISZZ0014Q x - -WELD REPLACED SUMMARY #254400, DUE TO X - -UT45T HANGER INTERFERENCE. EXAMINED 2.5T OF

UT45TAN X - -THE INTERSECTING LONGITUDINAL SEAM ON

THE UP STREAM AND DOWN STREAM SIDE.

OGT

31-SAM/66-SAM

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 2 SECTION XI COMPLETE COMPONENTS

RESIDUAL HEAT REMOVAL SYSTEM

FLANGE TO PIPE C5.11 UT45		EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	Н	REMARKS **CALIBRATION BLOCK**
263294 14-RH-2114-16PS-2	263290	14-RH-2114-16	C-F-1	UT45 UT45T		X	-	-	2.5T OF THE ASSOCIATED LONG SEAM WELD.
263296 14-RH-2114-16PS-3	263292			PT	VS1SSISZZ0003Q	x	-	-	W.O.#931121035 TO PERFORM NDE.
263298 14-RH-2114-16PS-4	263294			PT	VS1SSISZZ0003Q	x	•	-	W.O.#931121035 TO PERFORM NDE.
263304 14-RH-2114-18	263296			PT	vs1ss1szz00030	x	-	-	W.O.#931121035 TO PERFORM NDE.
FLANGE TO PUMP C5.11 UT45T VS1SSISZZ0014Q X - LIMITATION: THE UT EXAM WAS LIMITED TO 50% COVERAGE. THE TRANVERSE SCAN WAS THE ONLY UT PERFORMED, DUE TO THE FLANC AND PUMP CONFIGURATION. **14-SS-40438-79-SAM** 14-RH-2112 (REF. DWG. NO. B-46) 263384 14-RH-2112-29	263298			PT	vs1ss1szz0003q	x	-	-	W.O.#931121035 TO PERFORM NDE.
263384 14-RH-2112-29 C-F-1 PT VS1SSISZZ0003Q X W.O.#931121035 TO PERFORM NDE. TEE TO PIPE C5.11 UT45 VS1SSISZZ0014Q X EXAMINATION INCLUDES 2.5T OF THE UT45T X - INTERSECTING LONGITUDINAL SEAM ON THE UT45TAN X - DOWN STREAM SIDE.	263304								LIMITATION: THE UT EXAM WAS LIMITED TO 50% COVERAGE. THE TRANVERSE SCAN WAS THE ONLY UT PERFORMED, DUE TO THE FLANGE AND PUMP CONFIGURATION.
TEE TO PIPE C5.11 UT45 VS1SSISZZOO14Q X - EXAMINATION INCLUDES 2.5T OF THE UT45T X - INTERSECTING LONGITUDINAL SEAM ON THE UT45TAN X - DOWN STREAM SIDE.		14-RH-2112 (REF. DWG. NO. B-46	<u>)</u>					_	
	263384			UT45 UT45T		X	-	-	EXAMINATION INCLUDES 2.5T OF THE INTERSECTING LONGITUDINAL SEAM ON THE DOWN STREAM SIDE.

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 2 SECTION XI COMPLETE COMPONENTS

SAFETY INJECTION SYSTEM

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE		G E O M	H	REMARKS **CALIBRATION BLOCK**
	14-SJ-2124 (REF. DWG. NO. B-52	2)						
263716	14-SJ-2124-1 VALVE TO ELBOW	C-F-1 C5.11	PT UT45 UT45T UT45TAN	VS1SSISZZ0003Q VS1SSISZZ0014Q	X	-	-	LIMITATION: EXAM LIMITED TO 95%, DUE TO
263718	14-SJ-2124-1LD-I LONGITUDINAL	C-F-1 C5.12	PT UT45 UT45T UT45TAN	VS1SSISZZ0003Q VS1SSISZZ0014Q	X X	-	-	W.O.#931121035 TO PERFORM NDE. EXAMINE 2.5T OF WELD LENGTH. **14-SS-40438-79-SAM**
263720	14-SJ-2124-1LD-O Longitudinal	C-F-1 C5.12	PT UT45 UT45T UT45TAN	VS1SSISZZ0003Q VS1SSISZZ0014Q	X X		-	W.O.#931121035 TO PERFORM NDE. EXAMINE 2.5T OF WELD LENGTH. **14-SS-40438-79-SAM**
	12-SJ-2152 (REF. DWG. NO. B-54	<u>.)</u>						
263830	12-SJ-2152-5 ELBOW TO PIPE	C-F-1 C5.11	PT UT45 UT45T UT45TAN	VS1SSISZZ0003Q VS1SSISZZ0014Q	X	-	-	INTERSECTING LONGITUDINAL SEAM DOWN
263896	12-SJ-2152-36 PIPE TO PIPE	C-F-1 C5.11	PT UT45 UT45T UT45TAN	VS1SSISZZ0003Q VS1SSISZZ0014Q	- X	X	-	2.5T OF LONG SEAM ON BOTH SIDES. THE UT45 INDICATIONS ARE GEOMETRIC
263898	12-SJ-2152-36PS-1 PIPE SUPPORT	C-C C3.20	PT	VS1SSISZZ0003Q	x		-	W.O.#931121035 TO PERFORM NDE.
263900	12-SJ-2152-36PS-2 PIPE SUPPORT	C-C C3.20	PT	VS1SSISZZ0003Q	x	-	-	W.O.#931121035 TO PERFORM NDE.

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (\$1RFO#11, REV.0)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 2 SECTION XI COMPLETE COMPONENTS

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SAFETY INJECTION SYSTEM

ASME O G T SEC. XI R E H

SUMMARY EXAMINATION AREA CATGY EXAM E O E REMARKS

NUMBER IDENTIFICATION ITEM NO METHOD PROCEDURE C M R **CALIBRATION BLOCK**

12-SJ-2152 (REF. DWG. NO. B-54)

263904 12-SJ-2152-36PS-4 C-C PT VS1SSISZZ0003Q X - - W.O.#931121035 TO PERFORM NDE.

PENETRATION TO PIPE C3.20

S Her

SALEM NUCLEAR POWER STATION UNIT 1

OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 2 SECTION XI COMPLETE COMPONENTS

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CONTAINMENT SPRAY

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	E	_	H	REMARKS **CALIBRATION BLOCK**
	8-CS-2114 (REF. DWG. NO. B-66)							
355480	8-CS-2114-4	C-F-1	PT	VS1SSISZZ0003Q	x	-	-	W.O.# 931121035 TO PERFORM NDE. THIS
	PIPE TO ELBOW	C5.11	UT45	VS1SSISZZ0014Q	. X	-	-	EXAM REPLACES SUMMARY #355400, DUE TO A
			UT45T		X	-	-	SUPPORT INTERFERENCE.
			UT0	VS1SSISZZ0018Q	X	•	-	
								8-SS-10140-24-SAM °
355500	8-CS-2114-5	C-F-1	PT	VS1SSISZZ0003Q	x	-	_	W.O. #931121035 TO PERFORM NDE. THIS
0,50,500	ELBOW TO PIPE	C5.11	UT45	VS1SSISZZ0014Q		-		EXAM REPLACES SUMMARY #355420, DUE TO A
			UT45T			-		SUPPORT INTERFERENCE.
			UT45TAN		Х	-	-	
			UTO .	VS1SSISZZ0018Q	х	-	-	**8-SS-10140-24-SAM**

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 2 SECTION XI COMPLETE COMPONENTS

CHEMICAL & VOLUME CONTROL

CHEMICA	L & VOLUME CONTROL						_	
	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	H	REMARKS **CALIBRATION BLOCK**
	3-CV-2163 (REF. DWG. NO. B-70)					_	_	
358300	3-CV-2163-6 PIPE TO ELBOW	C-F-1 C5.21	PT UT45 UT45T UT45TAN UT0L	VS1SSISZZ0003Q VS1SSISZZ0014Q VS1SSISZZ0018Q	X X X	- -	:	W.O. 931121035 TO PERFORM NDE. THIS WELD REPLACES SUMMARY #365500, DUE TO ALARA CONCERNS. THE WELD WAS LOCATED IN THE SEAL WATER INJECTION FILTER ROOM. **3-SS-160451-30-SAM**
358320	3-CV-2163-7 ELBOW TO PIPE	C-F-1 C5.21	PT UT45 UT45T UT45TAN UT0L	vs1ss1szz0003q vs1ss1szz0014q vs1ss1szz0018q	x X		- -	WELD REPLACES SUMMARY #365520, DUE TO ALARA CONCERNS. THE WELD WAS LOCATED IN THE SEAL WATER INJECTION FILTER ROOM.
358340	3-CV-2163-8 PIPE TO ELBOW	C-F-1 C5.21	PT UT45 UT45T UT45TAN UT0L	VS1SSISZZ0003Q VS1SSISZZ0014Q VS1SSISZZ0018Q	X X X	• •	• •	W.O. 931121035 TO PERFORM NDE. THIS WELD REPLACES SUMMARY #368720, DUE TO ALARA CONCERNS. THE WELD WAS LOCATED IN THE SEAL WATER INJECTION FILTER ROOM. **3-SS-160451-30-SAM**
	3-CV-2160 (REF. DWG. NO. B-71)							
359100	3-CV-2160-5 ELBOW TO PIPE	C-F-1 C5.21	PT UT45 UT45T UT45TAN UT60 UT0L	VS1SSISZZ0003Q VS1SSISZZ0014Q VS1SSISZZ0018Q	X X	x -	-	
359120	3-CV-2160-6 PIPE TO PIPE	C-F-1 C5.21	PT UT45 UT45T UT45TAN UT60 UT0L	VS1SSISZZ0003Q VS1SSISZZ0014Q VS1SSISZZ0018Q	X X	X	-	THE UT45 AND UT60 INDICATIONS ARE GEOMETRIC REFLECTORS FROM THE WELD ROOT.
359140	3-CV-2160-7 PIPE TO ELBOW	C-F-1 C5.21	PT UT45 UT45T UT45TAN UT60 UT0L	VS1SSISZZ0003Q VS1SSISZZ0014Q VS1SSISZZ0018Q	X X X	•	-	•

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 2 SECTION XI COMPLETE COMPONENTS

CHEMICAL & VOLUME CONTROL

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	E	G E O M	E	REMARKS **CALIBRATION BLOCK**
	3-CV-2160 (REF. DWG. NO. B-72)	<u>.</u>						
359840	3-CV-2160-42 PIPE TO ELBOW	C-F-1 C5.21	PT UT45 UT45T UT45TAN UT0L	VS1SSISZZQ003Q VS1SSISZZ0014Q VS1SSISZZ0018Q	x X	x - -		WELD REPLACED SUMMARY #359800, DUE TO ALARA CONCERNS. THEWELD WAS LOCATED INSIDE THE SEAL WATER INJECTION FILTER
359860	3-CV-2160-43 ELBOW TO PIPE	C-F-1 C5.21	PT UT45 UT45T UT45TAN UT0L	VS1SSISZZ0003Q VS1SSISZZ0014Q VS1SSISZZ0018Q	- X X	x - -		WELD REPLACED SUMMARY #359820, DUE TO ALARA CONCERNS. THE WELD WAS LOCATED INSIDE THE SEAL WATER INJECTION FILTER
359880	3-CV-2160-44 PIPE TO ELBOW	C-F-1 C5.21	PT UT45 UT45T UT45TAN UT0L	VS1SSISZZ0003Q VS1SSISZZ0014Q VS1SSISZZ0018Q	x x	x - -		WELD REPLACES SUMMARY #360000, DUE TO ALARA CONCERNS. THE WELD WAS LOCATED INSIDE THE SEAL WATER INJECTION FILTER
	2-CV-2170 (REF. DWG. NO. B-81)	<u>)</u>						•
366000	2-CV-2170-1 REDUCER TO ELBOW	C-F-1 C5.30	PT	VS1SSISZZ0003Q	X	-	-	W.O.#931121035 TO PERFORM NDE.
366620	2-CV-2167 (REF. DWG. NO. B-90) 2-CV-2167-7 PIPE TO REDUCER	C-F-1 C5.30	PT	VS1SSISZZ0003Q	x	-	-	W.O.#931121035 TO PERFORM NDE.
	2-CV-2164 (REF. DWG. NO. B-90)	<u>)</u>						
368300	2-CV-2164-1 REDUCER TO PIPE	C-F-1 C5.30	PT	VS1SSISZZ0003Q	x	-	-	W.O.#931121035 TO PERFORM NDE.

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 2 SECTION XI COMPLETE COMPONENTS

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CHEMICAL & VOLUME CONTROL

SUMMARY EXAMINATION AREA CATGY EXAM E O E REMARKS

NUMBER IDENTIFICATION 1TEM NO METHOD PROCEDURE C M R **CALIBRATION BLOCK**

2-CV-2158 (REF. DWG. NO. B-90)

369620 2-CV-2158-7 C-F-1 PT VS1SSISZZ0003Q X - - W.O.#931121035 TO PERFORM NDE.

PIPE TO REDUCER C5.30

S Cres

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 2 SECTION XI COMPLETE COMPONENTS

SAFETY INJECTION

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	N O R E C	G E O M		REMARKS **CALIBRATION BLOCK**
	4-SJ-2113 (REF. DWG. NO. B-9	<u>98)</u>						
383820	4-SJ-2113-3 FLANGE TO PIPE	C-F-1 C5.21	PT UT45 UT45T UT45TAN UT0	VS1SSISZZ0003Q VS1SSISZZ0014Q VS1SSISZZ0018Q	x x		-	
383940	4-SJ-2113-15 ELBOW TO PIPE	C-F-1 C5.21	PT UT45 UT45T UT45TAN UT0	VS1SSISZZ0003Q VS1SSISZZ0014Q VS1SSISZZ0018Q	x x	X - -		LIMITATION: EXAM LIMITED TO 73%, DUE TO THE PROXIMITY OF THE CONCRETE STRUCTURE. THE UT45 INDICATION IS A GEOMETRIC
	4-SJ-2113 (REF. DWG. NO. B-	100)						· .
384200	4-SJ-2113-29 PIPE TO ELBOW	C-F-1 C5.21	PT UT45 UT45T UT45TAN UTOL	VS1SSISZZ00030 VS1SSISZZ00140 VS1SSISZZ00180	x X	X		WELD REPLACED SUMMARY #384280, DUE TO HANGER INTERFERENCE. THE UT45
384220	4-SJ-2113-30 ELBOW TO PIPE	C-F-1 C5.21	PT UT45 UT45T - UT45TAN UT0	VS1SSISZZ0003Q VS1SSISZZ0014Q VS1SSISZZ0018Q	X X X	-		WELD REPLACES SUMMARY #384300, DUE TO HANGER INTERFERENCE.
384260	4-SJ-2113-32 PIPE TO FLANGE	C-F-1 C5.21	PT UT45 UT45T UT45TAN UTOL	VS1SSISZZ0003Q VS1SSISZZ0014Q VS1SSISZZ0018Q	-		-	
	2-SJ-2126 (REF. DWG. NO. B-	104)						
386600	2-SJ-2126-6R REDUCER TO ORIFICE	C-F-1 C5.30	PT .	VHSSSSPZZ0204Q	X	-	-	PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD, PER DCP 1EC-3260. (REF. W.O. #930628119, ACT #5)

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SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 2 SECTION XI COMPLETE COMPONENTS

0

SAFETY INJECTION

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	H E	REMARKS **CALIBRATION BLOCK**
	2-SJ-2126 (REF. DWG. NO. B-104	<u>.</u>						
386620	2-SJ-2126-7R ORIFICE TO REDUCER	C-F-1 C5.30	PT	VHSSSSPZZ0204Q	x	-	-	PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD, PER DCP 1EC-3260. (REF. W.O. #930628119, ACT #5)
	2-SJ-2123 (REF. DWG. NO. B-105	<u>i)</u>						
387100	2-SJ-2123-6R REDUCER TO ORIFICE	C-F-1 C5.30	PT	VHSSSSPZZ0204Q	x	-	-	PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF JHIS WELD, PER DCP 1EC-3260. (REF. W.O. #930630065, ACT #5)
387120	2-SJ-2123-7R ORIFICE TO REDUCER	C-F-1 C5.30	PT	VHSSSSPZZ0204Q	x	-	-	PSI BASELINE EXAMINATION WAS PERFORMED, DUE TO THE REPLACEMENT OF THIS WELD, PER DCP 1EC-3260. (REF. W.O. #930630065, ACT #5)

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930203123, CJP# PS-93-004.

DATE: '03/04/94

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

AUXILIA	RY FEEDWATER SYSTEM						_	•
	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	E	G E O M	Ε	REMARKS **CALIBRATION BLOCK**
	AF1053 (REF. DWG. NO. AF	-1-3A 01)				_		
500145	14AFWG-002 GUIDE	F-C F3.10	VT-3	S1SSISZZ0020Q	X	-	-	PRESERVICE PER 1EC-3226-01, W.O.# 930203123, CJP# PS-93-004.
00150	14AFWG-003 GUIDE	F-C F3.10	VT-3	\$1\$\$1\$ZZ002 0 Q	x	-	-	PRESERVICE PER 1EC-3226-01, W.O.# 930203123, CJP# PS-93-004.
	AF1063 (REF. DWG. NO. AF	-1-3A 01)						
500390	13AFWA-046 ANCHOR	D-A D1.20	VT-3	S1SSISZZ0020Q	x	-	-	PRESERVICE PER 1EC-3226-01, W.O.# 930203123, CJP# PS-93-004.
	AF1075 (REF. DWG. NO. AF	-1-3A 01)						
500630	12AFWG-002 GUIDE	F-C F3.10	VT-3	S1SSISZZ0020Q	X	-	-	PRESERVICE PER 1EC-3226-01, W.O.# 930203123, CJP# PS-93-004.
	AF1089 (REF. DWG. NO. AF	-1-3A 01)	•		٠			
500770	11AFWS-050 SUPPORT	F-C F3.10	VT-3	S1SSISZZ0020Q	X	-	-	PRESERVICE PER 1EC-3226-01, W.O.# 930203123, CJP# PS-93-004.
50 0785	11AFUG-050A	F-C	VT-3	S1SSISZZ0020Q	x	-	-	PRESERVICE PER 1EC-3226-01, W.O.#

F3.10

501430 1A-CCH-082

HANGER

SALEM NUCLEAR POWER STATION UNIT 1

COMPONENT COOLING SYSTEM

OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

PAGE:

PRESERVICE PER 1EC-3255-1, CJP# PS-93-50

& W.O.# 930610082.

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0 0 G T ASME SEC. XI E H SUMMARY EXAMINATION AREA CATGY E O E **EXAM** REMARKS NUMBER IDENTIFICATION ITEM NO METHOD PROCEDURE C M R **CALIBRATION BLOCK** CC1010 (REF. DWG. NO. CC-1-2A 02) 501255 1A-CCH-404 THIS SUPPORT (SUM.# 501255) WAS DELETED VT-3 HANGER PER EC-3255/PS-93-050/930610082. CC1022 (REF. DWG. NO. CC-1-2A 02) 501355 1A-CCH-405 VT-3 THIS SUPPORT (SUM.# 501355) WAS DELETED HANGER PER 1EC-3255/PS-93-050/930610082. CC1051 (REF. DWG. NO. CC-1-2A 02) 501380 1A-CCH-402 **VT-3** THIS SUPPORT (SUM.# 501380) WAS DELETED HANGER PER 1EC-3255/PS-93-050/930610082. 501390 1A-CCH-403 F-C **VT-3** THIS SUPPORT (SUM.# 501390) WAS DELETED HANGER F3.10 PER 1EC-3255/PS-93-050/930610082. CC1066 (REF. DWG. NO. CC-1-2A 02) 501425 1A-CCH-406 VT-3 THIS SUPPORT (SUM.# 501425) WAS DELETED PER 1EC-3255/PS-93-050/930610082. HANGER

S1SSISZZ0020Q

VT-3

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)

SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 3 SECTION XI COMPLETE COMPONENTS

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CONTAINMENT SPRAY SYSTEM

ASME OGT SEC. XI REH

SUMMARY EXAMINATION AREA CATGY EXAM E O E REMARKS

NUMBER IDENTIFICATION ITEM NO METHOD PROCEDURE C M R **CALIBRATION BLOCK**

SJ1094 (REF. DWG. NO. CS-1-1A 01)

502910 1A-CSS-158 F-C VT-3 S1SSISZZ0020Q W.O.#931121035 TO PERFORM NDE. RE-EXAM

F3.10 FROM 1RFO#10. SUPPORT

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SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 2 SECTION XI COMPLETE COMPONENTS

CHEMICAL AND VOLUME CONTROL SYSTEM

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	N O R E C	G E O M	E	REMARKS **CALIBRATION BLOCK**
503235	CV1161 (REF. DUG. NO. CV-1-2B 1A-CVCS-383 SUPPORT	02) F-C F3.10	VT-3	\$1\$\$I\$ZZ0020Q	-	-	x	W.O.#931121035 TO PERFORM NDE. RESCHEDULED FROM 1RFO#10. NEED TO REMOVE CONCRETE BLOCK FOR EXAM. THE INSPECTION FOUND BORON ON THE SUPPORT. W.O. #931027158 CLEANED THE BORON OFF. A RE-EXAM WAS SCHED. FOR \$1RFO#12 (ACCESSIBILITY PROBLEMS).
503945	RC1077 (REF. DWG. NO. CV-1-48 1C-CVCH-326 HANGER	01)	VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3167/PS-92-40/920805116.
503970	1C-CVCG-276 GUIDE	-	VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3167/PS-92-40/920805116.

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (\$1RFO#11, REV.0) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 2 SECTION XI COMPLETE COMPONENTS

MAIN STEAM SYSTEM

ASME OGT SEC. XI REH SUMMARY EXAMINATION AREA CATGY **EXAM** E O E REMARKS NUMBER IDENTIFICATION ITEM NO METHOD PROCEDURE C M R **CALIBRATION BLOCK**

MS1003 (REF. DWG. NO. MS-1-2 04)

504315 1P-MS-VS006 F-C VT-3 S1SSISZZ0020Q W.O.#931121035 TO PERFORM NDE. RE-EXAM 1 LUG F3.10 FROM 1RFO#10.

MS1112 (REF. DWG. NO. MS-1-2 04)

504535 1P-MSH-122T HANGER

VT-3/4 S1SSISZZ0020Q PRE-SERVICE INSPECTION WAS PERFORMED UNDER W.O. #931121035 & 931002088, DUE TO THE DISASSEMBLY OF THE 12MS167 VALVE ACTUATOR. ADDITIONAL STEEL PLATE AND GOUGE MARKS IN THE SUPPORT CHANNELS WERE FOUND TO BE ACCEPTABLE PER NON DR.

PAGE:

MS1269 (REF. DWG. NO. MS-1-2 04)

504710 1P-MSH-124T

HANGER

VT-3/4 S1SSISZZ0020Q PRE-SERVICE INSPECTION WAS PERFORMED UNDER W.O. #931121035 & 931002089, DUE TO THE DISASSEMBLY OF THE 14MS167 VALVE ACTUATOR. NO MODIFICATIONS WERE PERFORMED ON THIS HANGER. (SEE NON DR. FOR ADDITIONAL INFORMATION)

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 1 SECTION XI COMPLETE COMPONENTS

PRESSURIZING SYSTEM

	e e e e e e e e e e e e e e e e			**	N		0	
		ASME			0	G	T	
		SEC. XI			R	Ε	Н	
CHMMADV	EXAMINATION AREA		EVAM			_	•••	DEMARKS
		CATGY	EXAM		_	0	_	REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	C	М	R	**CALIBRATION BLOCK**
					-	-	-	
	RC1276 (REF. DWG. NO. RC-1-1A	<u>01)</u>						
505065	1C-PSH-001	F-C	VT-3	S1SSISZZ0020Q	x	_	_	W.O.#931121035 TO PERFORM NDE. EXAMINED
	HANGER	F3.10		0,00000	••			PER NRC BULLETIN 88-11.
	:	13.10						FER ARC BOLLLIAN GO III.
	•							
			_					
505066	R-239776-1	A-E	VT-3	S1SSISZZ0020Q	X	-	-	
	•	NB88-11						PER NRC BULLETIN 88-11.
			•					
,								
505067	R-239776-2	A-E	VT-3	S1SSISZZ0020Q	v	_	_	W.O.#931121035 TO PERFORM NDE. EXAMINED
303001	R-239110-2	NB88-11	41-2	3133132200204	^	_	-	
	•	NBOO-11						PER NRC BULLETIN 88-11.
	•							
			•					
505068	R-239776-3	A-E	VT-3	S1SSISZZ0020Q	X	, - -	-	W.O.#931121035 TO PERFORM NDE. EXAMINED
		NB88-11						PER NRC BULLETIN 88-11.
	•							
• •								•
					*			
505069	R-239776-4	A-E	VT-3	S1SSISZZ0020Q	X	-	-	W.O.#931121035 TO PERFORM NDE. EXAMINED
		NB88-11		•				PER NRC BULLETIN 88-11.
	•		•					
	·					٠		÷
505070	1C-PSH-002	F-C	VT-3	S1SSISZZ0020Q	x	_	_	W.O.#931121035 TO PERFORM NDE. EXAMINED
303010	HANGER	F3.10		0100100000	^			PER NRC BULLETIN 88-11.
		.51.0		•				TEN MINE BOLLETIN GO TT
		*e						· ·
	7 MAR			•				
505071	R-239776-5	A-E	VT-3	S1SSISZZ0020Q	X	-	-	W.O.#931121035 TO PERFORM NDE. EXAMINED
		NB88-11	•					PER NRC BULLETIN 88-11.
F0F070	n 07077/ /		VT 7	0400107-0000				WOT442407F TO DEPTON US.
505072	R-239776-6	A-E	VT-3	S1SSISZZ0020Q	Х	-	-	
•		NB88-11						PER NRC BULLETIN 88-11.
	·							•
			4					
505073	R-239776-7	A-E	VT-3	S1SSISZZ0020Q	х	-	-	W.O.#931121035 TO PERFORM NDE. EXAMINED
		NB88-11						PER NRC BULLETIN 88-11.
	,							

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 1 SECTION XI COMPLETE COMPONENTS

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PRESSURIZING SYSTEM

SUMMARY EXAMINATION AREA

N .

ASME O G T SEC. XI R E H

CATGY EXAM

NUMBER IDENTIFICATION ITEM NO METHOD PROCEDURE C M R **CALIBRATION BLOCK**

E O E REMARKS

RC1276 (REF. DWG. NO. RC-1-1A 01)

505075 1C-PSH-003 F-C VT-3 S1SSISZZ0020Q X - - W.O.#931121035 TO PERFORM NDE. EXAMINED

HANGER F3.10 PER NRC BULLETIN 88-11.

SALEM NUCLEAR POWER STATION UNIT 1

OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 1 SECTION XI COMPLETE COMPONENTS

PRESSURIZER RELIEF SYSTEM

OGT

ASME SEC. XI REH

SUMMARY EXAMINATION AREA CATGY E O E REMARKS EXAM

NUMBER IDENTIFICATION ITEM NO METHOD C M R **CALIBRATION BLOCK**

RC1287 (REF. DWG. NO. RC-1-2B 01)

505300 1C-PRH-177 HANGER

VT-3 S1SSISZZ0020Q X - - THIS SUPPORT WAS MODIFIED PER

1EC-3168/PS-92-41/920805117.

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)

SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

RESIDUAL HEAT REMOVAL SYSTEM

CLASS 2 SECTION XI COMPLETE COMPONENTS

ASME

OGT REH

0

SUMMARY EXAMINATION AREA NUMBER IDENTIFICATION

CATGY EXAM

SEC. XI

E O E REMARKS

ITEM NO METHOD

PROCEDURE

C M R **CALIBRATION BLOCK**

RH1013 (REF. DWG. NO. RH-1-1A 02)

505755 1A-RHRA-PS30 ANCHOR

F-C F3.10 VT-3 S1SSISZZ0020Q

W.O.#931121035 TO PERFORM NDE.

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)

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SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)

CLASS 1 SECTION XI COMPLETE COMPONENTS

SAFETY INJECTION SYSTEM

ASME OGT

SEC. XI R E H

SUMMARY EXAMINATION AREA CATGY EXAM E O E REMARKS NUMBER IDENTIFICATION

ITEM NO METHOD PROCEDURE C M R **CALIBRATION BLOCK**

RC1023 (REF. DWG. NO. RH-1-3F 01)

506195 1C-11SIS-133 F-C VT-3 S1SSISZZ0020Q W.O.#931121035 TO PERFORM NDE. RE-EXAM SUPPORT

F3.10 FROM 1RFO#10.

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

SERVICE WATER SYSTEM

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	N O R E C	G E O M	H	REMARKS **CALIBRATION BLOCK**
٠	SW1136 (REF. DWG. NO. SW-1-7K	<u>01)</u> .				-		
508920	1MSWPG-049A GUIDE	D-B D2.20	VT-3	S1SSISZZ0020Q	x	-	-	THIS GUIDE WAS DISSASSEMBLED AND A NEW WELD WAS ADDED TO FACILITATE THE REMOVAL OF PIPE SPOOL RD-1-SW-75, UNDER CJP #S-92-332 AND W.O. #920512075.
	SW1169 (REF. DWG. NO. SW-1-3B	<u>01)</u>						
508990	A1-SWG-364 GUIDE		VT-3	\$1\$\$I\$ZZ00200	X	•	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
508 99 5	A1-SWA-354 ANCHOR		VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509000	A1-SWG-366 GUIDE		VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509005	A1-SWG-367 Guide		VT-3	S1SS1SZZ0020Q	x	-	<u>.</u>	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	SW1176 (REF. DWG. NO. SW-1-38)	<u>01)</u> -	•					
509010	A1-SWA-345 ANCHOR	·	VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509015	A1-SWG-344 Guide		VT-3	\$15515ZZ00 <u>2</u> 0Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509020	A1-SWG-316 GUIDE		VT-3	\$1\$\$1\$ZZ0020Q	x	•	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.

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SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 3 SECTION XI COMPLETE COMPONENTS

	EXAMINATION A		ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	N O R E C -	E	O T H E R	REMARKS **CALIBRATION BLOCK**
	SW1176 (REF.	DWG. NO. SW-1-3B	<u>01)</u>						·
509025	A1-SWA-315 ANCHOR		D-B D2.20	VT-3	s1ss1szz0020q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
5090 30	A1-SWH-314 Hanger	·		VT-3	S1SSISZZ0020Q	x	-	•	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509035	A1-SWG-313 Guide			VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509040	A1-SWG-324 GUIDE			VT-3	\$1\$\$1\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509045	A1-SWH-323 HANGER			VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509050	A1-SWA-WS08 ANCHOR		D-B D2.20	VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	SW1181 (REF.	DWG. NO. SW-1-3B			,				
509055	A1-SWG-378 GUIDE		,	VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509060	A1-SWA-358 Anchor			VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509065	A1-SWG-377 GUIDE	·		VT-3	\$1\$\$I\$ZZ0020Q	X	•	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.

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SALEM NUCLEAR POWER STATION UNIT 1

DATE: 93/04/94 REVISION:

OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 3 SECTION XI COMPLETE COMPONENTS

SEKATCE MWIEK SISIEM	SERVIÇE	WATER	SYSTEM
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SERVICE	E WATER STSTEM						_	
	Y EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R	G E O M	-	REMARKS **CALIBRATION BLOCK**
	SW1181 (REF. DWG. NO. SW-1	·3B 01)						
509070	A1-SWG-376 Guide		VT-3	S1SSI SZZ0020Q	X	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509075	A1-SWG-348 Guide		VT-3					THIS SUPPORT (SUM.# 509075) WAS DELETED PER 1EC-3149/PS-93-030/930422073.
509080	A1-SWG-347 GUIDE		VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509085	A1-SWG-346 Guide		VT-3	\$1\$\$I\$ZZ0020Q	x	. -	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	SW1185 (REF. DWG. NO. SW-1	-3B 01)						
509090	A1-SWS-369 SUPPORT		VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509095	A1-SWG-368 GUIDE		VT-3	S1SSISZZ0020Q	x		-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509100	A1-SWA-356 Anchor		VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509105	A1-SWG-370 Guide		VT-3	\$1\$\$I\$ZZ0020Q	x	, -	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	SW1191 (REF. DWG. NO. SW-1	-1 <u>B 02)</u>						
509110	P1-SWA-WS12 Anchor	D-B D2.20	VT-3	\$1\$\$I\$ZZ0020Q	x	-	- ,	PRESERVICE PER 1EC-3150-1/PS-93-006/930615162.

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 3 SECTION XI COMPLETE COMPONENTS

SERVICE	WATER SYSTEM						_	
	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	E	G E O M	T H E	REMARKS **CALIBRATION BLOCK**
	SW1197 (REF. DWG. NO. SW-1-1A	02)			-	-	-	
509160	C-13SWH-2 Hanger		VT-3	S1SSISZZ0020Q	X	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
509165	C-13SNG-3C Guide		VT-3	\$1\$\$I\$ZZ0020 Q	X	-	-	PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.
	SW1220 (REF. DWG. NO. SW-1-1A	02)						
509270	C-12SWH-1 Hanger		VT-3	\$1,\$\$1,\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
50 9275 -	C-11SWG-3B GUIDE		VT-3 _.	S1SSISZZ0020Q	×	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
509280	C-11SWG-4B GUIDE	•	VT-3					THIS SUPPORT (SUM.# 509280) WAS DELETED PER 1EC-3054-2/PS-93-021/920115113.
509285	C-11SWG-58 GUIDE		VT-3	S1SSI SZZ0020Q	x	-	-	PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.
509290	C-12SWG-3A GUIDE	•	VT3	\$1\$\$I\$ZZ0020Q	X	•	-	PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.
509295	C-12SWG-4 ANCHOR		VT-3	\$1\$\$1\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
509300	C-11SWG-9B GUIDE		VT-3					THIS SUPPORT (SUM.# 509300) WAS DELETED PER 1EC-3054-2/PS-93-021/920115113.

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

SERVICE	WATER SYSTEM						•
	Y EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	O T H H E	REMARKS
	SW1220 (REF. DWG. NO. SW-1-1A	02)		-		_	
50 9305	C-11SWG-11A Guide		VT-3	S1SSISZZ0020Q	х -	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
509310	C-11SWG-6 GUIDE		VT-3	S1SSISZZ0020Q	х -	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
509315	C-12SWG-7A GUIDE		VT-3	S1SSISZZ0020Q	х -	-	PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.
50 93 20	C-12SWH-9 Hanger		VT-3	S1SSISZZ0020Q	х -	. <u>-</u>	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
	SW1220 (REF. DWG. NO. SW-1-58	1021					
5 <u>0</u> 9345	C-12SWG-12 GUIDE	F-C F3.10	VT-3	S1SSI SZZ0020Q	х -		THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
	SW1238 (REF. DWG. NO. SW-1-1A	. 02)					
509370	C-11SWH-1 HANGER		VT-3	S1SSISZZ0020Q	х -	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
50 9375	C-11SWG-3A GUIDE		VT-3	\$1\$\$I\$ZZ0020Q	х -	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
509380	C-11SWG-4A GUIDE		VT-3				THIS SUPPORT (SUM.# 501390) WAS DELETED PER 1EC-3054-2/PS-93-021/920115113.
509385	C-11SWG-5A Guide		VT-3	\$1\$\$1\$ZZ0020Q	х -	-	PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	H	REMARKS **CALIBRATION BLOCK**
	SW1238 (REF. DWG. NO. SW-1-1/	A 02)						
509395	C-11SWG-8A GUIDE	D-B D2	VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
509400	C-11SWG-9A Guide		VT-3	\$1\$\$1\$ZZ0020 q	x	-	-	PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.
509405	C-11SWH-10 Hanger		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
	SW1238 (REF. DWG. NO. SW-1-5/	<u>A 02)</u>						
509425	C-11SWG-13 GUIDE		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
	SW1365 (REF. DWG. NO. SW-1-38	<u>3 01)</u>						
509525	A1-SWG-343 GUIDE		VT-3	S1SSISZZ0020Q	X	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
50 9530	A1-SWG-325 GUIDE		VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	SW1366 (REF. DWG. NO. SW-1-3	3 01)						
509535	A1-SWG-326 GUIDE		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509540	A1-SWG-327 GUIDE		VT-3	S1SSISZZ0020Q	X	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

SUMMARY	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	H	REMARKS **CALIBRATION BLOCK**
509545	SW1366 (REF. DWG. NO. SW-1-3B A1-SWG-304 GUIDE	01)	VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509550	1A-SWA-303A Guide	D-B D2.20	VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509555	A1-SWG-303 GUIDE		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509560	A1-SWH-302 HANGER		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509565	A1-SWG-301 Guide	,	VT-3	s1ss1szz0020q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509570	A1-SWG-300 GUIDE		VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509575	A1-SWG-318 GUIDE		VT-3	S1SSISZZ0020Q	X	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509580	A1-SWH-317 HANGER		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	A1-SWA-WS05 ANCHOR	D-B D2.20	VT-3	s1ss1szz0020q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (\$1RFO#11, REV.0)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 3 SECTION XI COMPLETE COMPONENTS

	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	N O R E C -	G E O M	T H E	REMARKS **CALIBRATION BLOCK**
	SW1373 (REF. DWG. NO. SW-1-38	01)				٠		•
509590	A1-SWG-328 GUIDE		VT-3	\$1\$\$1\$ZZ0020 Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509595	A1-SWG-329 Guide		VT-3					THIS SUPPORT (SUM.# 509595) WAS DELETED PER 1EC-3149/PS-93-030/930422073.
	SW1377 (REF. DWG. NO. SW-1-3B	<u>01)</u>						
509600	A1-SWS-351 SUPPORT		VT-3	,		i de la companya de l		THIS SUPPORT (SUM.# 509600) WAS DELETED PER 1EC-3149/PS-93-030/930422073.
509605	A1-SWG-352 GUIDE		VT-3					THIS SUPPORT (SUM.# 509605) WAS DELETED PER 1EC-3149/PS-93-030/930422073.
	SW1384 (REF. DWG. NO. SW-1-1A	02)						
509635	C-14SWH-1 Hanger		VT-3	\$1\$\$I\$ZZ0020Q	x	-	<u>-</u>	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
509640	C-13SWG-3D GUIDE	,	VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.
	SW1496 (REF. DWG. NO. SW-1-9H	01)						
509805	1A-SWS-091 SUPPORT	<u>,</u>	VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORTS VERTICAL MEMBERS WERE REPLACED UNDER CJP #S-93-141 AND W.O. #920530148.
	SW1498 (REF. DWG. NO. SW-1-3B	01)						
509815	A1-SWS-340 SUPPORT		VT-3	S1SSISZZ0020Q	X	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

	SERVICE	WATER SYSTEM			•					
		EXAMINATION IDENTIFICATI		ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	N O R E C	G E O M		REMARKS **CALIBRATION BLOCK**
		SW1541 (REF.	DWG. NO. SW-1-38	01)			-	Ī.	-	
	509840	A1-SWG-349 GUIDE			VT-3	S1SSISZZ0020Q	X	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	509845	A1-SWG-330 GUIDE			VT-3	\$1\$\$1\$ZZ0020 Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	509850	A1-SWS-350 SUPPORT			VT-3	\$1\$\$1\$ZZ0020Q	x	•	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	509855	A1-SWG-382 GUIDE			VT-3	S1SSISZZ0020Q	X	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
)	509860	A1-SWA-357 ANCHOR			VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	509865	A1-SWG-385 GUIDE			VT-3	S1SSISZZ0020Q	X	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
		0.45/0.455		043						
	509870	A1-SWS-332 SUPPORT	<u>DWG. NO. SW-1-3B</u>	_017	VT-3	S1SSISZZ0020Q	X	-	÷	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	509875	A1-SWG-312 GUIDE		•	VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	509880	A1-SWA-311 ANCHOR		D-B D2.20	VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

SUMMARY	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E			REMARKS **CALIBRATION BLOCK**
509885	<u>SW1542 (REF. DWG. NO. SW-1-3B</u> A1-SWG-310 GUIDE	<u>01)</u>	VT-3	S1SSISZZ0020Q	x	•	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509890	A1-SWG-309 GUIDE		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509895	SW1545 (REF. DWG. NO. SW-1-3B (A1-SWG-341)	<u>01)</u>	VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509900	A1-SWG-342 Guide		VT-3	s1ss1szz0020g	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509905	SW1546 (REF. DWG. NO. SW-1-3B (A1-SWS-331 SUPPORT	<u>01)</u>	VT-3					THIS SUPPORT (SUM.# 509905) WAS DELETED PER 1EC-3149/PS-93-030/930422073.
509910	A1-SWS-339 SUPPORT		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509915	A1-SWG-375 GUIDE		VT-3	s1ss1szz0020q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509920	A1-SWS-374 SUPPORT		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509925	A1-SWA-355 ANCHOR		VT-3	S1SSISZZ0020q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

SERVICE	WATER STOLEM							
	Y EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	H E	REMARKS **CALIBRATION BLOCK**
•	SW1546 (REF. DWG. NO. SW-1-3B	01)						
50 9930	A1-SWG-384 GUIDE	<u>,</u>	VT-3	\$1\$\$I\$ZZ0020 Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	<u>SW1550 (REF</u> . DWG. NO. SW-1-3B	01)						·
509935	A1-SWA-353 Anchor		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509940	A1-SWG-359 GUIDE		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509945	A1-SWG-360 GUIDE		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509950	A1-SWG-361 GUIDE		VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
50 9955	A1-SWS-334 SUPPORT		VT-3	S1SSISZZ0020Q	x		•	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509960	A1-SWG-333 GUIDE		VT-3	s1ssiszz0020q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509965	A1-SWG-383 GUIDE		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
509966	(REF. DWG. NO. SW-1-3B 01) A1-SWG-2433 GUIDE		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073. ANCHOR A1-SWA-383 WAS REPLACED WITH GUIDE A1-SWG-2433.

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

0

SERVICE WATER SYSTEM

ASME OGT SEC. XI REH SUMMARY EXAMINATION AREA CATGY EXAM E O E REMARKS PROCEDURE C M R NUMBER IDENTIFICATION · ITEM NO METHOD **CALIBRATION BLOCK** SW1551 (REF. DWG. NO. SW-1-3B 01) 509970 A1-SWG-322 VT-3 S1SSISZZ0020Q X - - THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073. GUIDE 509975 A1-SWH-321 VT-3 S1SSISZZ0020Q X - - THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073. HANGER 509980 A1-SWA-WS07 S1SSISZZ0020Q X - - THIS SUPPORT WAS MODIFIED PER D-B VT-3 ANCHOR D2.20 1EC-3149/PS-93-030/930422073. SW1556 (REF. DWG. NO. SW-1-38 01) VT-3 X - - THIS SUPPORT WAS MODIFIED PER 509985 A1-SWS-338 S1SSISZZ00200 SUPPORT 1EC-3149/PS-93-030/930422073. 509990 A1-SWS-336 X - - THIS SUPPORT WAS MODIFIED PER VT-3 S1SSISZZ0020Q SUPPORT 1EC-3149/PS-93-030/930422073. 509995 A1-SWS-335 VT-3 S1SSISZZ0020Q X - - THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073. SUPPORT 510000 A1-SWG-337 VT-3 THIS SUPPORT WAS MODIFIED PER S1SSISZZ0020Q GUIDE 1EC-3149/PS-93-030/930422073. SW1557 (REF. DWG. NO. SW-1-3B 01) VT-3 S1SSISZZ0020Q X - - THIS SUPPORT WAS MODIFIED PER 510005 A1-SWG-308 GUIDE 1EC-3149/PS-93-030/930422073. VT-3 S1SSISZZ0020Q THIS SUPPORT WAS MODIFIED PER 510010 1A~SWA-307A D-B 1EC-3149/PS-93-030/930422073. GUIDE D2.20

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

SERVICE	WATER SYSTEM			•				
	EXAMINATION AREA	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R	G E O M	H	REMARKS **CALIBRATION BLOCK**
	SW1557 (REF. DWG. NO.	. SW-1-3B 01)						
510015	A1-SWG-307 Guide		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
510020	A1-SWG-306 GUIDE		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
510025	A1-SWG-305 GUIDE		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
510030	A1-SWA-WS06 ANCHOR	D-B D2.20	VT-3	\$1\$\$1\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
	011440 (DEE DUO NO	6U-1-14 02N		• .				
510135	SW1619 (REF. DWG. NO. C-14SWH-1 HANGER	. SW-1-1A UZ)	VT-3	\$1\$\$1\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
510225	C-13SWG-3B GUIDE		VT-3	\$1\$\$1\$ZZ0020 Q	x	•	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
	SW1640 (REF. DWG. NO.	. SW-1-1A 02)						
510250		sent (VT-3	\$1\$\$I\$ZZ0020 Q	X	•	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
510255	C-13SWG-3A Guide		VT-3	\$1\$\$1\$ZZ0020 Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
	SW1664 (REF. DWG. NO	SU-1-18 02\						
510395	C-12SWH-2 HANGER	- 04 1 In VE/	VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.

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SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

	EXAMINATION AR		ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	H	REMARKS **CALIBRATION BLOCK**
	SW1664 (REF. D	WG. NO. SW-1-1A	<u>02)</u>						
510400	C-11SWG-3D GUIDE			VT-3	S1SSISZZ0020Q	X	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
510405	C-11SWG-4D Guide			VT-3					THIS SUPPORT (SUM.# 501405) WAS DELETED PER 1EC-3054-2/PS-93-021/920115113.
510410	C-11SWG-5D Guide			VT-3	s1ss1szz0020q	x		-	PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.
510415	C-12SWG-3B GUIDE			VT-3	S1SSISZZ0020Q	X	-	-	PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.
510420	C-12SWG-5 Anchor			VT-3	s1ss1szz0020a	X	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
510425	C-11SWG-9D GUIDE			VT-3					THIS SUPPORT (SUM.# 510425) WAS DELETED PER 1EC-3054-2/PS-93-021/920115113.
510430	C-11SWG-11C GUIDE	\$ the		VT-3	S1SSISZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
510433	C-12SWG-6A GUIDE	* : # * * * *		VT-3	s1ss1szz0020q	x	-	-	PRESERVICE (NO MOD.) PER . 1EC-3054-2/PS-93-021/920115113.
510435	C-12SWG-5B GUIDE			VT-3	\$1\$\$I\$ZZ0020Q	x	-	-	PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.

DATE: 03/04/94
REVISION: 0

SALEM NUCLEAR POWER STATION UNIT 1
OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.0)
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF)
CLASS 3 SECTION XI COMPLETE COMPONENTS

SEKAILE	WATER STSTEM							
	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	R E	G E O M	H	REMARKS **CALIBRATION BLOCK**
	SW1664 (REF. DWG. NO. SW-1-1A	02)						
510440	C-12SWG-7B GUIDE		VT-3	\$1\$\$I\$ZZ0020Q	X	-	-	PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.
510445	C-12SWG-8 GUIDE	•	VT-3	\$1\$\$1\$ZZ0020Q	x	•	-	PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.
510450	C-12SWG-10 Guide		VT-3	s1ss1szz0020 Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
510455	C-12SWH-11 HANGER		VT-3	s1ss1szz0020q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
	CU1444/ (DEE DUO NO CU 1 ED	025						
510485	SW1664 (REF. DWG. NO. SW-1-5B C-12SWG-16 GUIDE	F-C F3.10	VT-3	\$1\$\$1\$ZZ0020Q	x	-	•	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
	SW1684 (REF. DWG. NO. SW-1-5A	02)						
510520	C-11SWG-17 STORM	F-C F3.10	VT-3	\$1\$\$I\$ZZ0020 Q	x	•	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
	SW1684 (REF. DWG. NO. SW-1-1A	025						
P40FFF		02)						
510555	C-11SWH-2 HANGER		VT-3	\$1\$\$1\$ZZ0020Q	X	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
510560	C-11SWG-3C GUIDE		VT-3	S1SSI SZZ0020Q	x	-	-	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.

SALEM NUCLEAR POWER STATION UNIT 1 OUTAGE ISI EXAMINATION RESULTS (S1RFO#11, REV.O) SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE (93RF) CLASS 3 SECTION XI COMPLETE COMPONENTS

SERVI	CE	WATER	SYSTEM	

	EXAMINATION AREA IDENTIFICATION		ASME SEC. XI CATGY ITEM NO	EXAM METHOD	PROCEDURE	N O G	Н	REMARKS **CALIBRATION BLOCK**
	SW1684 (REF. DWG.	NO. SW-1-1A	<u>.</u> 02)					
510565	C-11SWG-4C GUIDE			VT-3				THIS SUPPORT (SUM.# 510565) WAS DELETED PER 1EC-3054-2/PS-93-021/920115113.
510570	C-11SWG-5C GUIDE		••	VT-3	\$1\$\$I\$ZZ0020Q	x -		PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.
510575	C-11SWG-7 ANCHOR		v.	VT-3	S1SSISZZ0020Q	х -	. <u>.</u>	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
				a.				
510580	C-11SWG-8B GUIDE			VT-3	\$1\$\$I\$ZZ0020Q	х -		PRESERVICE (NO MOD.) PER 1EC-3054-2/PS-93-021/920115113.
•					•			•
510585	C-11SNG-9C GUIDE			VT-3				THIS SUPPORT (SUM.# 501585) WAS DELETED PER 1EC-3054-2/PS-93-021/920115113.
			74	•				
510590	C-11SWG-11B GUIDE	•		VT-3	S1SSISZZ0020Q	х -	• •	THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
		. • .	•	•	· · · · · · · · · · · · · · · · · · ·			
510595	C-11SWH-12 HANGER	rsi		VT-3	\$1\$\$I\$ZZ0020Q	. X		THIS SUPPORT WAS MODIFIED PER 1EC-3054-2/PS-93-021/920115113.
					•	-		
	SW1986 (REF. DWG.	NO. SW-1-3B	<u>01)</u>		· · · · · ·			
510785	A1-SWG-320 GUIDE			VT-3	S1SSISZZ0020Q	X		THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.
								· · · · · · · · · · · · · · · · · · ·
510 79 0	A1-SWH-319 HANGER			VT-3	S1SS1SZZ0020Q	Χ -		THIS SUPPORT WAS MODIFIED PER 1EC-3149/PS-93-030/930422073.

Index of NIS-2 and NR-1 Forms

I. NIS-2 Forms

Component	Work Order	Brief Description
1CVE43	920514012	Replaced charging pump oil cooler
11CS5		Replaced disk & nozzle
1SJ32		Replaced disk
1PR3		Installed modified flexi-disc
1PR4		Installed modified flexi-disc
1PR5		Installed modified flexi-disc
2PR3 (spare)		Installed modified flexi-disc
1CCE5		Modified head with manway

II. NR-1 Forms

Code Job #	Brief Description
S92-379	Replaced studs, nuts and bonnets in kind
S92-392	Replace valve bolting
S93-008	Replaced valve bolting
S93-036	Replaced stem and valve bolting
S93-082	Repaired vane holes and taper pins
S93-108	Replaced bolting with upgraded material
S93 - 114	Replaced valve disc
S93-124	Replaced valve disc
S93 - 149	Replaced modified miniflow orifice
S93-150	Replaced modified miniflow orifice
S93 - 171	Replaced valve stem, bolting and weld repair on leak-off
S93-181	Replaced valve with valve of new design
S93-182	Replaced valve with valve of new design
S93-183	Replaced valve with valve of new design
S93-184	Replaced valve with valve of new design
S93-190	Replaced blind flange on fuel transfer canal
	in kind
S93-192	Replaced stem
S93-193	Replaced stem
S93-207	Replaced bonnet stud
S93-212	Weld repairs on valve body
S93-218	Replaced snubber serial # 330 with snubber
	serial # 23687
S93-220	Replaced transition tubes assemblies
S93-221	Replace bonnet bolting
S93-225	Replaced flange and spool, elbow and bolting in kind
S93-226	Replaced plug and assembly in kind
S93-227	Replaced snubber serial # 25784 with snubber serial # 27164
S93-228	Replaced snubber serial # 445 with snubber serial # 27629

S93-229	Replaced snubber serial # 11 with snubber
	serial # 3903
593-233	Re-weld support after inspection and re-
	assembly of valve
S93-238	Replaced flange to valve bolting
S93-240	Replaced valve bolting
S93-241	Replaced bolting and nuts in kind
S93-249	Replace (16) studs in kind
S93-250	Replaced valve bolting
S93-254	Replaced pressurizer manway cover and bolting
S93-260	Replaced pressurizer relief tank rupture disc flanges
S93-262	Replace (1) bolt in kind on #14 Steam Genera-
	tor Primary Manway Cold Leg
S93-266	Replace valve disc
S93-270	Replace valve with spare valve
S93-276	Replace (4) cap screws and valve disc
S93-277	Replaced bolting
S93-278	Installed new stop pin for air lock equaliz-
	ing ball valve
S93-279	Replaced valve in kind
S93-287	Replaced snubber serial # 25784 with snubber
230 20,	serial # 27164
	SCITAL # 2/104
PS92-040	Modified existing support
PS92-041	Modified pipe support
PS93-012	Replaced stem assembly and bolting with
1073 012	upgraded material and replaced valve bolting
PS93-045	Replaced GB4 valve internals
PS93-045 PS93-053	
	Replaced valve bolting and valve internals
PS93-054	Replaced valve bolting and valve internal
PS93~052	Modified pressurizer piping supports
PS93-055	Modified pressurizer relief tank small bore
DC02 070	piping
PS93-070	Added break flanges to pipe spool piece
DG00 000	1CA2310
PS93-073	Removal of boric acid blender
PS93-074	Replace valve internals, bolting and nuts
PS93-075	Install new condensate chambers for #11 main
	steam header
PS93-076	Install new condensate chambers for #12 main steam header
PS93-077	Install new condensate chambers for #13 main
1000 077	steam header
PS93-078	Install new condensate chambers for #14 main
F393-076	
DC02 070	steam header
PS93-079	Install supports for condensate pots on #11
DG00 000	main steam header
PS93-080	Install supports for condensate pots on #12
Dana 664	main steam header
PS93-081	Install supports for condensate pots on #13
D000 005	main steam header
PS93-082	Install supports for condensate pots on #14
2000	main steam header
PS93-083	Modify pipe support C-RVVS-5
PS93-088	Replace 2 nuts on pipe support #P-CTAG-660

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

1. Owner Public	Service Elec	ctric & Gas	Co.	Date Septe	mber 2	1, 1993	
End of Butto	Name onwood Rd.Har		lge,NJ	Sheet1	a 1		
	Address			5neet	or <u> </u>		
2. PlantSalem	Nuclear Gene	erating Sta	tion	Unit1			
End of Butto	Name nwood Rd Ha		đơa N.T	WO# 920514	012 C	JP # S91-32	1
	Address	medeks bil	.uge, No			P.O. No., Job No.,	
3. Work Performed by	PSE&G			Type Code Symbol	Stamp_	NR	
•		Name		Authorization No.		36	
End of Butto	nwood Rd., Ha	ancocks Bri	dge,NJ	Expiration Date	10/3	/94	
4. Identification of Sy		Volume Co	ntrol				
5. (a) Applicable Con-	struction Code	I/A 19	Edition	N/A	Addende	N/A	_Code Case
• • •	ion of Section XI Ut				ner 83		_code case
6. Identification of Co	mponents Repaired	or Replaced and F	Replacement Co	mponents			
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)
1CVE43	ITT	N/A	N/A	N/A	N/A	Replaced	No
	Standard	 			 -		
1CVE43	ITT Standard	5-142-05 014042	N/A	N/A	N/A	Replacemen	t No
	1						
7. Description of Work	Replaced	Charging P	ump Oil C	ooler			
8. Tests Conducted:			ominal Operating	Pressure			
	Other Pressure		Test Temp.NG	<u>ОТ</u> °F			
NOTE: Supplemen	ough 6 on this repo	f lists, sketches, c	or drawings may sech sheet, and	be used, provided (1 (3) each sheet is nu) size is 81 mbered ar	4 in. x 11 in., (2) i nd the number of	nforma- sheets is

FORM NIS-2 (Back)

Remarks
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement onforms to the rules of the
ASME Code, Section XI. repair or replacement
Type Code Symbol Stamp NR
Type Code Symbol StampNR
Certificate of Authorization No. 36 Expiration Date 10/3/94
Signed Shulider Duning Page Page Date 9-29, 19 93
Civiler of Civiler'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 New Jersey and employed by Arkwright Mutual Insurance Co. o
MA have inspected the components described
in this Owner's Report during the period 7-92 to 6-93, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in thi
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection. Factory Mutual Engr. Assn.
Tones 2, Coch Commissions National Board, State, Province, and Endorsements
/ Inspector's Signature National Board, State, Province, and Endorsements
Date 10-12 1993
Date10 10 19

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

3. W 1 4. Id 5. (a	Ork Performed by O4 N. Chi Jentification of Sys	Creek Neck Address E Crane-Alc cago St; J Address	Rd. Hand Bridge, N. Dyco Inc. Name Joliet, IL Inment Spr	000ks J 08038 	Type Code Symbol Authorization No. Expiration Date	/co Ir anization P Stamp_V 50,138	PO# P1-0 O. NR Tr O. No., Job No., /R 1,261,262	426638 avel# etc. NR 24
3. W 1 4. Id 5. (a	Ork Performed by O4 N. Chi Jentification of Sys	Creek Neck Address Crane-Alc cago St; J Address stem	Rd. Hand Bridge, N. Syco Inc. Name Holiet, IL Inment Spr	08038 . 60434	Repair Organization No. Expiration Date	VCO Ir Inization P Stamp V 50,138	nc. NA Tr .O. No., Job No., /A , 261, 262	evel# NR 24.
1 4. Id 5. (a (b	04 N. Chi lentification of Sys	Crane-Alco cago St; J Address Stem Contai	Name Holiet, IL		Type Code Symbol Authorization No. Expiration Date	Stamp_V 50,138	/A ,261,262 , 1996	NR 24.
1 4. Id 5. (a (b	04 N. Chi lentification of Sys	Crane-Alco cago St; J Address Stem Contai	Name Holiet, IL		Expiration Date	July 2	<u>, 1996 i</u>	NR 24,
1 4. Id 5. (a (b	04 N. Chi lentification of Sys	Address Stem Containstruction Code N	Ioliet, IL	60434 ay (1109	Expiration Date	July 2	<u>, 1996 i</u>	<u>64</u> , Eeb1
4. Id 5. (a (b	lentification of Sys	stem Contei	nment Spr	ay (11C	3 5) :			-EU.
5. (a (b) Applicable Cons	truction CodeN	I/A19		•		• •	
(b		truction CodeN	I/A19		•			
(b				N/A Edition,				-
) Applicable Editi	on of Section XI Ut	ilized for Repairs (🛪				
6. Id				or Heplacement	s 19 <u>00</u>	ummer		nda ು
	entification of Co	mponents Repaired	or Replaced and R	eplacement Cor	nponents	_		
		·			,	·	. 9153	98134 T
	-	-						ASME
				• •) '		Code
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	1 1
	11055						nin ingenin	a ·
		Crosby	84616-39				12:	
[Disk	Valve	-0040	N/A	N/A	N/A	Replaced	_No
1	Nozzle	Crosby Valve	088027- 16-0024	N/A	N/A	1,,,,	Ĺ.,	1l
	 -	V01V6	10-0024	<u> </u>	I N/A	NZA	Peplaced.	-No-
				<u>.</u>		<u> </u>		
			[[}	}		;
			1]	ļ	
-		<u></u>	L.,		L	L	L	
7. De	scription of Work	Replaced (Jisk & No:	zzle, La	pped & Set	Test	∍ d	
3. Te	sts Conducted:	· · · · · · · · · · · · · · · · · · ·		minal Operating				
	•	Other 🔀 Pressure_	260psi	Test Temp. A	<u>mbient°</u> F			

1994

FORM NIS-2 (Back)

	Applicable Manufacturer	s Data Reports to be attached	<u>, 1983)</u> 3 _
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en Carlos de la Car La Carlos de La Car	· · · · · · · · · · · · · · · · · · ·	<u> </u>	д. А . т.:
. A.F		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	itum.₩
	CERTIFICATE OF CO	MPLIANCE	
We certify that the statement SME Code, Section XI.	ts made in the report are correct	et and this <u>Replacemenconform</u> repair or replacement	s to the rules of the
.			a quint that
ype Code Symbol Stamp VR 50, 138, 26	NR	······································	(3/2 - 1) C
50,138,26	31,262 24,62	VR	NR
ertificate of Authorization No.		Expiration Date July 2, 19	36 Feb. 17,
10111111	10	Date November 21	# 02
igned Owner's Designee, T	impul Engr	DateDateDate	19_93
			
·	CERTIFICATE OF INSERT mission issued by the National E	Board of Boiler and Pressure Vessel Ins	
	and amplement to Arkwi	right Mutual Incura	ann ra as i
the undersigned, holding a valid comm r Province of New Jersey Norwood, MA	and employed byArkw		
Province of New Jersey Norwood, MA	10/11/61	right Mutual Insurar have inspected the co	
r Province of New Jersey Norwood, MA this Owner's Report during the per	iod 10/24/93	have inspected the co	mponents described
r Province of New Jersey Norwood, MA this Owner's Report during the per	riod 10/24/93 f, the Owner has performed ex	have inspected the control of the co	mponents described
Province of New Jersey Norwood, MA this Owner's Report during the per the best of my knowledge and belief wher's Report in accordance with the	f, the Owner has performed en	have inspected the control of the co	mponents described, and state that ures described in this
Province of New Jersey Norwood, MA this Owner's Report during the per the best of my knowledge and belief wher's Report in accordance with the By signing this certificate neither th	f, the Owner has performed ex requirements of the ASME Coc le Inspector nor his employer	have inspected the control of the co	mponents described , and state that ures described in this slied, concerning the
r Province of New Jersey Norwood, MA this Owner's Report during the per the best of my knowledge and belief wher's Report in accordance with the By signing this certificate neither the caminations and corrective measures	f, the Owner has performed ex requirements of the ASME Coone Inspector nor his employer described in this Owner's Rep	have inspected the control to 1999 and taken corrective measured. Section XI.	mponents described , and state that ures described in this slied, concerning the or nor his employer
r Province of New Jersey Norwood, MA this Owner's Report during the per the best of my knowledge and belief wher's Report in accordance with the By signing this certificate neither the caminations and corrective measures	f, the Owner has performed ex requirements of the ASME Coone Inspector nor his employer described in this Owner's Rep	have inspected the control to 19-93 xaminations and taken corrective measured, Section XI. makes any warranty, expressed or import. Furthermore, neither the Inspect	mponents described , and state that ures described in this blied, concerning the cor nor his employer connected with this
r Province of New Jersey Norwood, MA a this Owner's Report during the per to the best of my knowledge and belief wher's Report in accordance with the By signing this certificate neither th caminations and corrective measures tall be liable in any manner for any per spection. MS Heurau	f, the Owner has performed ex requirements of the ASME Coone Inspector nor his employer described in this Owner's Repersonal injury or property dama	have inspected the contour form of the contour	mponents described , and state that ures described in this blied, concerning the for nor his employer connected with this Engr. Assn.
r Province of New Jersey Norwood, MA this Owner's Report during the per to the best of my knowledge and belief wher's Report in accordance with the By signing this certificate neither th caminations and corrective measures tall be liable in any manner for any per	f, the Owner has performed ex requirements of the ASME Coone Inspector nor his employer described in this Owner's Repersonal injury or property dama	have inspected the contour form of the contour	mponents described , and state that ures described in this blied, concerning the for nor his employer connected with this Engr. Assn.

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

of Alloway	ic Service Nam Creek Neck Address	Rd. Hanc Bridge,	ocks	Sheet One	of	ne	
2. Plant Sale	∍m			Unit One	PO	# P1_4266	35
of Alloway	Creek Neck	Rd. Hanc	ocks_	Crane-Aloy	co In	c. NH Ira	ivel# 3
of Alloway 3. Work Performed b	Crane-Alo	Bridge, I yco Inc. Name oliet, IL	NJ 0803 	Repair Org Type Code Symbo Authorization No. Expiration Date J	Stamp V 50 , 13	² .0. No., Job No., R 8 , 261 , 262 , 1996 F	NR 24,
4. Identification of S		Injection	. ר				
(b) Applicable Edi	ition of Section XI U				ımmer	83 Adden	da T
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)
				,			
15J32	Crosby	N95137-	N/A	N/A	N/A	Replaced	No
1SJ32 Disc	Valve						
	•		:			<u> </u>	
	•		-				
	•		<u>-</u>				
	•		· · · · · · · · · · · · · · · · · · ·				,
	•		· · · · · · · · · · · · · · · · · · ·				,
Disc	Valve	Disk, Cle	aned, La	oped and S	et Te	sted ·	,

FORM NIS-2 (Back)

Applica	able Manufacturer	s Data Reports to be attached		
				_
		, , , , , , , , , , , , , , , , , , , ,		_
				-
CEF	RTIFICATE OF CO	DMPLIANCE		7
We certify that the statements made in t	he report are corre		rms to the rules of the	1
ASME Code, Section XI.		repair or replacement		
	NE			
Type Code Symbol Stamp VR	NR			
50,138,261,262	24,63	VFI	NR	-
Certificate of Authorization No.		Expiration Date <u>July 2,</u>	<u>1996-Feb. 1Z,</u>	19
				1
Signed Owner or Owner's Designee, Title	me tery.	Date November 2.3	. 19	1
CERTIF	FICATE OF INSER	RVICE INSPECTION		1
, the undersigned, holding a valid commission issu				
or Province of New Jersey and emp	loyed by Arkwi			1
Narwaad, MA n this Owner's Report during the period	10-21-9	have inspected the	components described	
n this Owner's Report during the period to the best of my knowledge and belief, the Own				1
Owner's Report in accordance with the requiremen			easores described in this	1
By signing this certificate neither the Inspector		·	implied, concerning the	
examinations and corrective measures described in	, ,		•	
hall be liable in any manner for any personal inju	ry or property dam			ł
nspection.		Factory Mutual	Engr. Asśn.	
Inspector's Signature	Commission	ns P4 2056 NIBS i	15471	
Inspector's Signature	Commissio	National Board, State, Province	e, and Endorsements	
mapactor a digital at				

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

Owner Public	c Service Ele		s Co.	Date1/25/9	94		
End of But	Nam tonwood Rd.,E		dge,NJ	Sheet1	of1		
	Address	-					
Plant Salem (Generating St			Unit1			-
End of Butt	conwood Rd., H	lancocks Bri	.dge,NJ	P1-931602			
	Address			Repair Org	anization P	.O. No., Job No.,	etc.
Work Performed b	y Wyle/Crosb	Name		Type Code Symbo	Stamp		
7800 Governors Dr., Hunstville ALA 35807			35007	Authorization No.	0/17	63	
7800 Govern	Address	tville ALA	33807	Expiration Date	2/17	/ 94	
Identification of S	ystem Reactor	Coolant					
	ASME Se						
				, <u> </u>	Addenda,	N/A	Code Case
(b) Applicable Edi	tion of Section XI U	tilized for Repairs	or Replacemen	ts 19 <u>83 S</u> 83			
Identification of C	omponents Repaired	or Replaced and R	eplacement Co	mponents			
		 			 	· · · · · · · · · · · · · · · · · · ·	
			National			Repaired,	ASME Code Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
1PR3	Crosby	N69878-01	N/A	N/A	1968	Repaired	No
1PR4	Crosby	RV-466	N/A	N/A	1968	Repaired	No
1PR5	Crosby	RV-2-8010	N/A	N/A	1968	Repaire	l No
2PR3 Spare	Crosby	RV-464	N/A	N/A	1968	Repaired	No
Description of Wor	k Installed	modified fl	.exi-disc	- 2 and refu	rbishe	d all valve	es
Tests Conducted:	Hydrostatic Protection Protectio		minal Operatin		PR3 (S	pare) 2482	PSI 63
NOTE: Supplemention in items 1 the recorded at the top	ough 6 on this repo	1PR5-2492 f lists, sketches, o rt is included on e	r drawings may ach sheet, and	PR4-656°F PR5-664°F be used, provided (1 (3) each sheet is nu) size is 8½ mbered and	in. x 11 in., (2) i d the number of s	nforma- sheets is

FORM NIS-2 (Back)

	Applicable Manufacturer's Data Reports to be attached
	142
	CERTIFICATE OF COMPLIANCE
We certify ASME Code, Section	that the statements made in the report are correct and this Repair conforms to the rules of the
Type Code Symbol S	StampNR
Certificate of Autho	rization No. 63 Expiration Date 2/17/94
Signed Owner or	Diviner's Designee, Title Date 1-78 , 1994
	CERTIFICATE OF INSERVICE INSPECTION
	olding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta w Jersey and employed by Arkwright Mutual Ins. Co.
Norwood, MA	have inspected the components describe
in this Owner's Rep	ort during the period Sept. 1993 to Jan. 1994, and state th
to the best of my k	nowledge and belief, the Owner has performed examinations and taken corrective measures described in the
Owner's Report in a	cordance with the requirements of the ASME Code, Section XI.
·	ertificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	prective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ manner for any personal injury or property damage or a loss of any kind arising from or connected with the Factory Mutual Engr. Assn.
James	Commissions NJ373 I Spector's Signature Commissions National Board, State, Province, and Endorsements
/ "	spector's Signature National Board, State, Province, and Endorsements
,	-25 94

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

1,	Owner_Public	Service Ele	ctric & Gas	co.	DateFebru	ary 7,	1994	
	End of Butt	Namon	-	.dge,NJ	Sheet1	of1		
		Address						
2.	Plant Salem	Nuclear Gene		ion	Unit1		·	
	End of Butte	onwood Rd.,H	ancocks Bri	dge,NJ	WO #9310230		PS-93-086	etc
3.	Work Performed by	Joseph Oat		<u>n</u>	Type Code Symbo	ol Stamp	U1	
	2522 - 3		Name		Authorization No.	<u>U-184</u>	4	· -
	2500 Broadwa	ay, Camden, Address	NJ 08104		Expiration Date_	7/9/9	4	
4.	Identification of Sy	stem Compo	nent Coolin	.g				
	(b) Applicable Edit	struction Code ASI ion of Section XI Ut	ilized for Repairs	or Replacemen	ts 19 <u>83</u>	Addenda,_	N/A	_Code Case
	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)
	1CCE5	Jos-Oats	S-15763A	1148	N/A	1970	Replaced	У
	1CCE5	Jos-Oats Corp.	2529	N/A	N/A	1993	Replacemen	t N
								
	Description of Work	Modified ex	kisting fla	t head by	installing	Manway	S/N 2529.	

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

FORM NIS-2 (Back)

Applicable Manufacturer's Data Reports to be attached for Manway and Cover. 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.
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
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We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
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 NR
Certificate of Authorization No. 36 Expiration Date 10/3/94
Signed Abulate Principal Civy Date Freh 7 , 19 94
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of New Jersey and employed by Arkwright Mutual Ins. Co. of
3 123
NOTWOOD, MA have inspected the components described in this Owner's Report during the period Sept. 1993 to Feb., 1994, 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 to any personal injury or property damage or a loss of any kind arising from or connected with this
inspection. Factory Mutual Engr. Assn.
Inspector's Signature Commissions N8 1/207 INA NT1020 National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
,
Date_ Z8 MARCH 19 94
19 1 -

•						
1. Work performed byPublic :	Service Electi	ric & Gas Co.	<u>- Nucle</u>	_	#S92-379	
		· .	name)	(repair organiza	tion's P.O. no., job	. no.,etc.)
Foot of Buttonwood	Road, Hancock		7 08038			
		•	ddress)			
2. Owner <u>Public Service</u>	Electric and					
Each of Dubboursel	Deed Hencel		name)			
Foot of Buttonwood	Road, Hancock		7 08038 ddress)			
3. Name, address and identification of	nuclear newer plant	•	•	erating Station	līnit #1	
Foot of Buttonwood	• •			eracing scacion	OILC #1	
4. System <u>Chemical Volum</u>		w Dirage, it	00050		Nuclear Cl	ass IT
5. a: Component repaired, modified or						
b: Name of manufacturerTT						
c: Identifying nos. SD-C-112:			N/A	N/A	198	38
(mfr's, serial no.)	•	(jurisdictio		(other)	(<u>)</u>	ear built)
d: Construction CodeB31.7_	1969	N/A		N/A	II	
(editi	on)	(addenda)		(Code Case(s))	(Code C	class)
6. Section XI1983	3	Summer	83			N/A
(edition)		(a	ddenda)		(Code Case	e(s))
7. Applicable edition of ASME Code Se	ection XI under which re	epairs, modifications	, or replaceme	nts were made: <u>1983</u>	<u>S83</u>	<u>N/A</u>
				(edition)	(addenda)	(Code Case(s))
Applicable edition of Construction Co	•	·	eplacements w		_N/A	N/A
		*B31.7		(edition)	(addenda)	(Code Case(s))
9. Design responsibilities PSE&G			44	N/3 : 0 ! 0	11/3	
10. Tests conducted: hydrostatic	· —	design pressure		<u>N/A</u> psi Code Cas	e(s) N/A	
11. Description of work Replace				acceptable if properly identified)		
	ιο.	se or additional sheet(s) or sketch(es) is	acceptable if properly identifiedy		
				· · · · · · · · · · · · · · · · · · ·		
12. Remarks: Work Order #	920921216		Defic	ciency Report #:	SMD 92-736	5
Design Change	e Package #: N	1/A F				
See attached	pages for Des	cription of	Replaceme	ent. N/A	·	
**Inservice 1	Leak Exam	Temp. NOP/NO	T.			
	С	ERTIFICATE OF (COMPLIANCE			
We certify that the statements made in the	•				d above conform	s to Section XI
of the ASME Code and the National Boa						
Certificate of Authorization no.	36 to use the *N	VR" stamp expires _	UCL.	19 94		
Date 10 - 2 6 19, 4 2 Signed	PSE&G Co	-Nuclear Dept			Princ	ipal Engr
Date 10 EE 19, 12. Oigned		organization)	A	(author:zed representative)		(title)
	<u></u>					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	C	CERTIFICATE OF I	NSPECTION			
, the undersigned, holding a valid comm	ission issued by The N	lational Board of Boi	ler and Pressur	e Vessel Inspectors, and ce	rtificate of compe	etency issued by
				iutual Insurance		
of MA have inspected the r	epair, modification or r	eplacement describe	ed in this report	on	9V and sta	te that to the
est of my knowledge and belief, this rep	air, modification or rep	lacement has been	made in accord	ance with Section XI of the	ASME Code and	the National
Board rules as defined in the publication						
ssed or implied, concerning the rep						ployer shall be
any manner for any personal inju	ry or property damage	or a loss of any kind	d arising from o			tom.
Date 10-28, 1992. Signed	/)			ractory .	Mutual Sys	
Date /0 28 19 42 Signed	(9 121-	_	1 AM 277	ζ -	
	(Inspe	2. Col	Comm	issions V 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3	montaletata az szer	vince and symbols

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

Work performed by <u>Public Service Electron</u>	ric & Gas Co Nucl	ear Dept. CJP	#S92-392
	(name)	· · · =	tion's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancock	<u> </u>		
	(address)		
2. Owner <u>Public Service Electric and</u>			· · · · · · · · · · · · · · · · · · ·
Fact of Duthaman I Don't House of	(name)		
Foot of Buttonwood Road, Hancock	(address)		· · · · · · · · · · · · · · · · · · ·
Name, address and identification of nuclear power plant	•	nometing Station	Init #1
Foot of Buttonwood Road, Hancock		HETACHING STACTON	OIIIC #1
4. System <u>Containment Spray</u>	S Bridge, No 08038		Nuclear Class II
5. a: Component repaired, modified or replaced 12CS36	Valve		HACTEAL CLASS II
b: Name of manufacturer Aloyco			
c: Identifying nos. 12024/S70WDD N/A	N/A	N/A	1987
(mfr's, serial no.) (Nat'l.Bd.No.)	(jurisdictional no.)	(other)	(year built)
d: Construction Code ASME DP&V 1968	_N/A	N/A	TT
ANSI B31.7 1969 Edition 970 Add.	(addenda)	(Code Case(s))	(Code Class)
6. Section XI 1983	Summer 83	, , , , , ,	N/A
(edition)	(addenda)	, , , , , , , , , , , , , , , , , , , ,	(Code Case(s))
7. Applicable edition of ASME Code Section XI under which re	epairs, modifications, or replacem	ents were made: 1983	S83 N/A
''		(edition)	(addenda) (Code Case(s))
8. Applicable edition of Construction Code under which repairs	s, modifications, or replacements	were made: *1968	N/A N/A
	B31.7 1969 Ed. 1970		(addenda) (Code Case(s))
9. Design responsibilities PSE&G			
10. Tests conducted: hydrostatic pneumatic d	esign pressure ** pressure	NOP psi Code Case	e(s) N/A
Description of work <u>Replaced valve bolti</u>	ng.	·	
(us	e of additional sheet(s) or sketch(es)	s acceptable if properly identified)	
		, , , , , , , , , , , , , , , , , , ,	
2. Remarks: <u>Work Order #: 920921177</u>		ciency Report #: 1	V/A
Design Change Package #: N			
See attached pages for Des			
**System Inservice Report	Temp. NO		···
	-	_	
C	ERTIFICATE OF COMPLIANC	E	
Ve certify that the statements made in this report are correct an			above conforms to Section XI
f the ASME Code and the National Board rules as defined in the			
Certificate of Authorization no. 36 to use the "N	IR" stamp expires Oct. 3,	, 19 <u>94</u>	
PSE&G Co	Nuclear Dept.	111 0	Principal Engr.
vate // 19, / Signed	<i>A</i>	Shulida	
(repair o	organization)	(authorized representative)	(title)
	SECTION ATE OF INCREASION		
•	ERTIFICATE OF INSPECTION		
About advantage of the father a control of the second seco	about December D. N I.D.	W. Henneles I	
the undersigned, holding a valid commission issued by The Na	_		
ne state or province of <u>New Jersey</u> and employe		• 1 71	
f MA have inspected the repair, modification or re	•	-	
est of my knowledge and belief, this repair, modification or repl			
rules as defined in the publication NB-102, current edition	-		
sed or implied, concerning the repair, modification or replain		· · · · · · · · · · · · · · · · · · ·	
able in any manner for any personal injury or property damage	or a loss or any kind arising from		
ate 11-22, 1993. Signed James E.	///		tual Engr. Assn.
are in 1915 Signed / Comes C.		miccioned!!! E (Z/4/E	ハイフウマ
/ Inna	Comr	missions NB SEGY INA	nents)state or province and number)

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) | TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS | Page 1 of 1

					
ork performed by Public Ser	vice Electric	& Gas Co Nucle	ar Dept. CJP	#S93-008	
Foot of Buttonwood Ro		(name)	<u> </u>	ion's P.O. no., job.	no.,etc.)
		(address)			
2. Owner <u>Public Service Ele</u>	ectric and Gas	s Co.			 ,
Foot of Buttonwood Ro	ad, Hancocks 1	Bridge, NJ 08038			
3. Name, address and identification of nucle	ar power plant	, ,	erating Station	Unit #1	
Foot of Buttonwood Ro	ad. Hancocks I	Bridge. NJ 08038			• .
4. System <u>Chemical Volume</u>	Control			Muclear Cl	ass II
5. a: Component repaired, modified or repla		<u>Lve</u>	 		·
b: Name of manufacturerAnchor					
c: Identifying nos. <u>9847-70</u>		N/A	N/A	197	
(mfr's. serial no.)	(Natl.Bd.No.)	(jurisdictional no.)	(other)		ear built)
d: Construction Code <u>W E-Spec</u>		V/A	N/A	II	
ANSI B31.7 1969 Relition19	70 Add. (add	enda)	(Code Case(s))	(Code C	: _
6. Section XI 1983 (edition)		Summer 83 (addenda)		(Code Case	<u>N/A</u>
7. Applicable edition of ASME Code Section	VI under which requir	` '	sta wara mada: 1002		
7. Applicable edition of ASIVIE Code Section	Ai under willon repairs	s, modifications, or replaceme	(edition)	S83 (addenda)	N/A (Code Case(s))
8. Applicable edition of Construction Code u	ndor which ropaire my	edifications or replacements w	, ,	1970	N/A
6. Applicable edition of construction code a	· · · · · · · · · · · · · · · · · · ·	NSI B31.7/W E-Spec		(addenda)	(Code Case(s))
9. Design responsibilities PSE&G	"M	ADI DOI.//M E-Spec	4GH4ZI MI(comon)	(dddciidd)	(0000 0000(5))
	umatic □ desig	n pressure **pressure_	NOP psi Code Cas	e(s) N/A	
Description of work Replaced				-(-)	
		additional sheet(s) or sketch(es) is	acceptable if properly identified)	• • •	
	(,		
12. Remarks: Work Order #: 93	21028084	Defi	ciency Report #:	N/A	
Design Change Pa	ackage #: N/A	Rev. N/A		7	
See attached page	ges for Descr	iption of Replacem	ent. N/A		
**System Inserv	<u>ice Test</u>	Temp. NO	<u>T </u>		
			_		
	CERT	IFICATE OF COMPLIANCE		4	
		ii;i;i			- 4- O4' VI
We certify that the statements made in this re		·		above conform	s to Section XI
of the ASME Code and the National Board rul	••	· · · · · · · · · · · · · · · · · · ·			
Certificate of Authorization no. 36	to use the "NH" s	tamp expires Oct. 3,	, 19 <u>94</u>		
Date 1 18, 94. Signed	PSE&G CoNuc	clear Dept.	11/11/11	Principa	d Engr.
Date_/19,_/ Signed	(repair organ	nization)	(authorized representative)	,	(title)
	OFD:	FIFICATE OF INCREOTION	· · · · · · · · · · · · · · · · · · ·		
	CER	TIFICATE OF INSPECTION			•
, the undersigned, holding a valid commission	issued by The Nation	al Board of Boiler and Pressu	re Vessel Inspectors, and ce	rtificate of compe	etency issued by
the state or province of <u>New Jersey</u>	-				
		ement described in this repor			te that to the
pest of my knowledge and belief, this repair, n	nodification or replacer	ment has been made in accord	dance with Section XI of the	ASME Code and	the National
rules as defined in the publication NB-1					
sed or implied, concerning the repair, m	odification or replacer	ment described in this report.	Furthermore, neither the Insp	pector nor his em	ployer shall be
in any manner for any personal injury or	property damage or a	loss of any kind arising from o	or connected with this inspec	tion.	
	1 1	1	Factory Mu		Assn.
Date 1-16 , 1994 . Signed (ome E. las	Comm	nissions <u>NBS894 INA</u>	NO 373	<u> </u>
/	(Inspector)		(Natl.Bd.No.(including endorse	ments)state or pro	vince and number)

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) | TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

forth and formed by the Port 1 day of a consideration of the forth	6 G G 151	and David CTD	#go2 o26
ork performed byPublic_Service_Electric	& Gas Co Nucle (name)		#S93=036 ion's P.O. no., job. no.,etc.)
Foot of Duktoward Dond Hongodra	` '	(repair Organizat	ions F.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancocks	(address)		
2. Owner Public Service Electric and Ga	, ,		
Fubile pervice lifecelie and Ga	(name)		
Foot of Buttonwood Road, Hancocks	•		
1000 OI Dateonwood Roday Indicoons	(address)		
3. Name, address and identification of nuclear power plant	Salem Nuclear Gen	erating Station	Unit #1
Foot of Buttonwood Road, Hancocks			
4. System Reactor Coolant			Nuclear Class I
5. a: Component repaired, modified or replaced 1PS28 Val			
b: Name of manufacturer Velan			
c: Identifying nos. <u>8117</u> N/A	N/A	N/A	1977
(mfr's. serial no.) (Nat'l.Bd.No.)	(jurisdictional no.)	(other)	(year built)
d: Construction Code <u>ASME_DP&V_1968</u>	N/A	N/A	I
ANSI B31.7 1969 Edition1970 Add. (add	enda)	(Code Case(s))	(Code Class)
6. Section XI	Summer 83		N/A
(edition)	(addenda)		(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repair	s, modifications, or replaceme	nts were made: <u>1983</u>	S83 N/A
		(edition)	(addenda) (Code Case(s))
8. Applicable edition of Construction Code under which repairs, mo			_N/AN/A
•	B31.7 1969 Ed. 197	O Add. (edition)	(addenda) (Code Case(s))
9. Design responsibilities PSE&G			
	n pressure [] **pressure_	NOP psi Code Case	e(s) N/A
11. Description of work <u>Replace stem and valve</u>			
(use of	additional sheet(s) or sketch(es) is	acceptable if properly identified)	
			,
12. Remarks: Work Order #: 920804179	Defi	ciency Report #: 1	N/A
Design Change Package #: N/A			
See attached pages for Descr		ent. N/A	
**System Inservice Test			
			
CERT	FIFICATE OF COMPLIANCE		•
We certify that the statements made in this report are correct and th	e repair, modification or replac	ement of the items described	l above conforms to Section XI
of the ASME Code and the National Board rules as defined in the pu	ublication NB-102, current edit	ion.	
Certificate of Authorization no. 36 to use the "NR" s	tamp expires Oct. 3,	, 19 <u>94</u>	
PSE&G CoNuc	clear Dept.	111.	Principal Engr.
Date		Mulule	
(repair organ	nization)	(authorized representative)	(title)
CED	FIEICATE OF INSPECTION		
CEN	TIFICATE OF INSPECTION		
, the undersigned, holding a valid commission issued by The Nation	eal Board of Boiler and Process	ro Voccal Increators, and con	rificate of competency issued by
he state or province of <u>New Jersey</u> and employed by			· · · · · · · · · · · · · · · · · · ·
of MA have inspected the repair, modification or replacement			and state that to the
pest of my knowledge and belief, this repair, modification or replace			
Board rules as defined in the publication NB-102, current edition. By			
sed or implied, concerning the repair, modification or replacer			
any manner for any personal injury or property damage or a			-
			tual Engr. Assn.
Date 1-1 , 1914 . Signed 4 jm 2. Co	Comm	issions NB SBY INA	NJ 373
(Inspector)		(Natl.Bd.No.(including endorser	ments)state or province and number)
,			

, FORM NR-1 REPORT OF REPAIR \boxtimes MODIFICATION \square OR INSTALLATION OF REPLACEMENT(S) \square TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

Work performed : Public Service Electric & Gas Co Nuclear	Dept. CJP	#S93 - 082	
(name)	(repair organizat	ion's P.O. no., job. no.,etc.)	
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038			
2 Owner Public Service Electric and Gas Co.			
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038			
(address) 3. Name, address and identification of nuclear power plant Salem Nuclear General Salem Nuclear General Salem Nuclear General Salem Salem Nuclear General Salem Sal	ating Station	Ini+ #1	
3. Name, address and identification of nuclear power plant Salem Nuclear General Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	acing station	JIIC Ψ1	
4. System Service Water		Nuclear Class I	I
5. a: Component repaired, modified or replaced 13SW58 b: Name of manufacturer Masonellian International Inc.			
c: Identifying nos. N-00113-40-3 N/A N/A	N/A	1974	
ASME Draft (1984) sel. 968, Ed. Mara (1976) Add. (jurisdictional no.)	(other)	(year built)	
d: Construction Code ANSI B31.7 1969 N/A	N/A	II	
(edition) (addenda) 6. Section XI 1983 Summer 83	(Code Case(s))	(Code Class) N/A	
(edition) (addenda)		(Code Case(s))	
7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements		S83 N/A	
8. Applicable edition of Construction Code under which repairs, modifications, or replacements were	(edition) made: <u>*1969</u>	(addenda) (Code N/A N/A	Case(s))
*ANSI B31.7/ASME Draft P&V 1968 Ed. Mar 19	70 Add. (edition)	(addenda) (Code C	Case(s))
9. Design responsibilities PSE&G 10. Tests conducted: hydrostatic pneumatic design pressure **pressure* **pressure* **pres	NOP psi Code Casi	e(s) N/A	
11. Description of work Repaired vane holes and taper pins by weld:		2(3)	
(use of additional sheet(s) or sketch(es) is acc	eptable if properly identified)		
			
	ency Report #: :	SMD 93-072	
Design Change Package #: N/A Rev. N/A	+ N7/3		_
See attached pages for Description of Replacement **Inservice Leak Exam Temp. NOT	t. N/A		
CERTIFICATE OF COMPLIANCE			
We certify that the statements made in this report are correct and the repair, modification or replacem	ant of the items described	Laboua conforms to Soci	tion YI
of the ASME Code and the National Board rules as defined in the publication NB-102, current edition.		above comonns to Seci	1011 X1
Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3,	, ₁₉ 94		
PSE&G CoNuclear Dept.	11	Principal Eng	ŗ.
Date 4 -30 19, 93. Signed (repair organization)	authorized representative)	(title)	
CERTIFICATE OF INSPECTION			
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure V	Jessel Inspectors and cal	tificate of competency is	sued by
the state or province of New Jersey and employed by Arkwright Mu	tual Insurance	Co	
ofhave inspected the repair, modification or replacement described in this report on		23 and state that to	
best of my knowledge and belief, this repair, modification or replacement has been made in accordance. Board rules as defined in the publication NB-102, current edition. By signing this certificate, neither th			
essed or implied, concerning the repair, modification or replacement described in this report. Fur			
in any manner for any personal injury or property damage or a loss of any kind arising from or or	onnected with this inspect	ion.	
persident DC 10 03 start (Ca) DD.	10 10	tual Engr. Assr ルイルのフ	1.
Date Vilay 20 19 93 Signed Let Suellor Commission (Inspector)	lati.Bd.No.(including encorse	ments)state or province and	numberi

FORM NR-1 REPORT OF REPAIR $\ \square$ MODIFICATION $\ \square$ OR INSTALLATION OF REPLACEMENT(S) $\ \square$ TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

1	
ork performed by Public Service Electric & Gas Co Nuclear Dept. CJP #	S93-108
(name) (repair organization)	on's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	
(address)	
2. Owner Public Service Electric and Gas Co.	
(name)	
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	
(address)	
3. Name, address and identification of nuclear power plantSalem_Nuclear Generating Station_U	mit #1
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	1116.#1
4. SystemChemical Volume ControlN	nology Class II
5. a: Component repaired, modified or replaced 1CVE.6 Tank	ucient class II
b: Name of manufacturer <u>Jos. Oat & Sons, Inc.</u>	1060
c: Identifying nos. <u>1781–2A</u> <u>374</u> <u>N/A</u> <u>N/A</u> (mfr's, serial no.) (Nat'l.Bd.No.) (jurisdictional no.) (other)	
	(year built)
d: Construction Code ASME III Class C 1968 N/A N/A N/A	
ANSI B31.7 1969 Extension 1970 Add. (addenda) (Code Case(s))	(Code Class)
6. Section XI	N/A
(edition) (addenda)	(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: <u>1983</u>	S83 N/A
(edition)	(addenda) (Code Case(s))
8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: <u>*1969</u>	
*ANSI B31.7/ASME III Class C 1968 (edition)	(addenda) (Code Case(s))
9. Design responsibilities PSE&G	
10. Tests conducted: hydrostatic ☐ pneumatic ☐ design pressure ☐ ★★ pressure NOP psi Code Case	e(s) N/A
11. Description of work Replaced bolting with upgraded material.	-,
(use of additional sheet(s) or sketch(es) is acceptable if properly identified)	
12. Remarks:Work Order #: 930409094	/_
Design Change Package #: 1FO-2337 Pkg. 1	7-1-
See attached pages for Description of Replacement. N/A	
**System Inservice Test Temp. NOT	
Temp. Not	V
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in this report are correct and the repair, modification or replacement of the items described	shove conforms to Section VI
	above comornis to Section XI
of the ASME Code and the National Board rules as defined in the publication NB-102, current edition.	
Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994.	
Pete // 3 to 10 (13 Signed PSE&G CoNuclear Dept.)	Principal Engr.
Date 77 - 50 19, 45 . Signed	
(repair organization) (authorized representative)	(title)
CERTIFICATE OF INSPECTION	
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and cert	-
the state or province of <u>New Jersey</u> and employed by <u>Arkwright Mutual Insurance C</u>	0
of <u>MA</u> have inspected the repair, modification or replacement described in this report on	and state that to the
best of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the A	SME Code and the National
Board rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employ	yer makes any warranty,
ssed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspe	
n any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspecti	
	ual Engr. Assn.
Date 12-2, 1995. Signed hs Heure Commissions NB 63441	
	nents)state or province and number)
,	

FORM NR-1 REPORT OF REPAIR MODIFICATION OR INSTALLATION OF REPLACEME	NT(S	S) 🏻	
TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page	e 1	of	1

Work performedPu	ublic Servic	e Electri	c & Gas Co.	- Nuclea	ar Dept.	CJP	#S93-114	
			(nar	ne)	_ (repair organizati	on's P.O. no., job), по.,etc.)
Foot of Butto	onwood Road,	Hancocks	Bridge, NJ	08038				
_			(addi	ess)				
2. Owner Public Se	ervice Electi	ric and G						
		1	(nar	•				
Foot of Butto	onwood Road,	Hancocks		08038				
			(addr	•			Tanik #3	
3. Name, address and identifi			Salem Nucl		erating S	tation (NITC #T	
Foot of Butto		naticocks	briage, No	08038			Nuclear C	logg T
4. System Safety I		12CT156	Value			1	vuctear C	lass I
 a: Component repaired, m b: Name of manufacturer 	_	1230130	varve				-	
c: Identifying nos		N/A		N/A		N/A	19	<u></u>
		(Nat'l.Bd.No.)	(jurisdictions		(other	•		year built)
d: Construction Code6		(14211.50.145.)	N/A	ii 110. _j	N/A	,	т '	year builty
a. Constituction codec	(edition)	(a	ddenda)		(Code Case)	ell	(Code (Classi
6. Section XI		•	Summer	83	(0000 0000)	3//	,5555,	N/A
	(edition)			enda)	•		(Code Case	
7. Applicable edition of ASME		der which rena	•	•	ts were made:	1983	S83	N/A
7. Applicable collient of Actual	. 0000 000001771 011	icor innovirope	and, modifications, c	r replacemen	is were made.	(edition)	(addenda)	(Code Case(s))
8. Applicable edition of Constr	ruction Code under	which repairs.	modifications, or red	lacements we	ere made:		N/A	N/A
	∓ W★	E-Spec	,			(edition)	(addenda)	
9. Design responsibilities	SE&G	-			MOD		37 /3	
10. Tests conducted: hydrostat	tic pneumat	ic ∏ _des	ign pressure	pressure	NOP psi	Code Case	e(s) N/A	
11. Description of work	ebraced vary	e disc.	-					
		(use	of additional sheet(s) o	r sketch(es) is a	acceptable if pro	perly identified)		
Work or	der #: 92071	3003		Defic	iency Re	nort #• N	J/A	
	Change Packa					POLO "1 1		
See att	ached pages	for Desc	ription of R	eplaceme	nt. N/A		-	
	m Inservice		Te	mp. N/A				
								
		051	OTICIOATE OF CO	MULLANCE				
		CEI	RTIFICATE OF CO	MPLIANCE				
Mar anglif , North the above and the			the receiv modificat	iaa ar saalaaa			-h	- +- Ca-+: VI
We certify that the statements r	nade in this report a	re correct and	the repair, modifical	ourropt oditio	ement of the Ite	ems described	above conform	is to Section XI
of the ASME Code and the Nati Certificate of Authorization no.	ional board dies as	to use the "NIP	stamp expires	OCE: 3,	" ^{1.} 94 . 19			
Certificate of Authorization no			uclear Dept.		19	·) Principa	al Engr
Date 6/7 19, 93	. Signed	140 W. IV	acicai repe.		Must.	homas K		ir ingr.
Date 19,	Signed	(repair or	ganization)		(authorized reg	presentative)	700 A	(title)
		(.05211 015			-			(1.1.0)
		CE	RTIFICATE OF IN	SPECTION				
I, the undersigned, holding a va	alid commission issu	ed by The Nati	onal Board of Boiler	and Pressure	e Vessel Inspe	ctors, and cert	ificate of comp	etency issued by
the state or province of	ew Jersey ,	and employed	_{by} Ark	wright M	utual In	surance C	۱	,
	cted the repair, mod	-		in this report of	on June	7 . 19	93 and sta	ate that to the
best of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the ASME Code and the National								
Board rules as defined in the pu	ublication NB-102, cu	urrent edition.	By signing this certi	ficate, neither	the Inspector	nor his employ	er makes any	warranty,
ressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be an any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Factory Mutual Engr. Assn.								
in any manner for any per	rsonal injury or prope	erty damage or	a loss of any kind a	irising from or	connected wi	th this inspecti	nal From	Aggn
	•.	,	<u> </u>		ra	JOLY PIUL	au ngi	• 11¢
Date 6-7 19 93	. Signed Will	won K. K	109 WOT	Commis	ssions_NB79	80 NIB	SIS PA	2204
		(Inspecto			(Nati BalNol(inc	duaing endorsem	rents)state or pro	vince and runizer.
							 .	

FORM NR-1 REPORT OF REPAIR 🗌 MODIFICATION 🗌 OR INSTALLATION OF REPLACEMEN	T(S)	Z
TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS	1 c	of 1

Work performed Public Serv	vice Electric & Gas	Co Nuclea	ar Dept. CJP	#S93-124		
		(name)		ion's P.O. no., job. no.,etc.)		
Foot of Buttonwood Roa	d, Hancocks Bridge,	NJ 08038				
_		(address)				
2. Owner Public Service Ele	etric and Gas Co.					
		(name)				
Foot of Buttonwood Roa	d, Hancocks Bridge,					
		(address)		rr. ii la		
3 Name, address and identification of nuclea			erating Station	Unit #1		
Foot of Buttonwood Roa 4. System Safety Injection	d, Hancocks Bridge,	NO 08038		Nuclear Class I		
5. a: Component repaired, modified or replace	13CT156 Valve			Nuclear Class I		
b: Name of manufacturer <u>Velan</u>		···········				
c: Identifying nos	N/A	N/A	N/A	1968		
(mir's Wse Eat Spec		dictional no.)	(other)	(year built)		
d: Construction Code 676241		210(101141110.)	N/A	T		
(edition)	(addenda)		(Code Case(s))	(Code Class)		
6. Section XI 1983	•	mer 83	(0000 0000(0))	N/A		
(edition)		(addenda)		(Code Case(s))		
7. Applicable edition of ASME Code Section 2	XI under which regains modificati	ons or replacemen	ts were made: 1983	S83 N/A		
, , , , , , , , , , , , , , , , , , ,			(edition)	(acdenda) (Code Case(s))		
8. Applicable edition of Construction Code un	der which repairs, modifications,	or replacements we	ere made: *76241	N/A N/A		
	*₩ E-Spec		(edition)	(addenda) (Code Case(s))		
9. Design responsibilities	1	F F.	1100	37 /3		
10. Tests conducted: hydrostatic pnet Replaced v	umatic \(\int \) design pressure	pressure_	NOP psi Code Case	e(s)_N/A		
11. Description of work Replaced V	aive disc.					
	(use of additional she	et(s) or sketch(es) is a	acceptable if properly identified)			
Timb min #: 00	0715077	Pofic	inner Donnet He I	\ T/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
	ckage #: N/A		tercy report #.	N/A		
	es for Description o		nt N/A			
**System Inservi		Temp. NOT	TIC. N/A			
		remp. nor				
	CERTIFICATE O	F COMPLIANCE				
				ļ		
We certify that the statements made in this rep				above conforms to Section XI		
of the ASME Code and the National Board rule	s as defined in the publication NE	3-102, current editio	on. 94	1		
Sertificate of Authorization no.	to use the "NR" stamp expire	es	, 19 <u></u> .			
/. / ₩ // 3	PSE&G CoNuclear De	ept.	. 1) 0,	Principal Engr.		
Date 6/7 19, 93 Signed	·	<u> </u>	ly V. homas hole	2 th IL		
	(repair organization)		(authorized representative)	(title)		
	CERTIFICATE C	OF INSPECTION				
, the undersigned, holding a valid commission New Jersey	issued by The National Board of	Boiler and Pressure Arkwright M	Vessel inspectors, and cer iutual Insurance	tificate of competency issued by		
MA province of	and employed by					
	modification or replacement desc	•				
pest of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the ASME Code and the National						
Board rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employer makes any warranty, essed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be						
essed or implied, concerning the repair, mo	odification or replacement describ	ed in this report F	urtnermore, neither the Insp	ector nor his employer shall be		
n any manner for any personal injury or p	roperty damage or a loss of any	kind arising from or	connected with this inspect factory. Mul	wal Engr. Assn.		
- 1 2 · · · · · · · · · · · · · · · · · ·	11. 00	<u> </u>		_		
Date 6 - 7 . 19.93 . Signed (U)	Mam 12. Rogers II	Commi	ssions <u>NB 7980 IV I 8</u>			
	(inspector) ν		(Nattl.Bd No shoulding endorser	merks;state or province and number.		

FORM NR-1 REPORT OF REPAIR ☐ MODIFICATION ☑ OR INSTALLATION OF REPLACEMENT(S) ☑ TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS ☐ COMPONENTS ☐ COMPONE

Page 1 of 1

ork performed by <u>Public_Service_E</u>	lectric & Gas Co N	uclear Dept. CIP	#S93 - 149
	(name)		ation's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Har	ncocks Bridge, NJ 080 (address)	038	
2 Owner Dablic Consider Electrois	,		
2. Owner <u>Public Service Flectric</u>	(name)		
Foot of Buttonwood Road, Har	ncocks Bridge, NJ 080	038	
3. Name, address and identification of nuclear power	, ,	Generating Station	Tīnit #1
Foot of Buttonwood Road, Hai			
4. System Chemical Volume Contro			Nuclear Class II
5. a: Component repaired, modified or replaced No.	. 11 Charging Pump - 1	<u> Miniflow Orifice (Com</u>	p ID 1CVE20)
b: Name of manufacturerPacific Pum			
c: Identifying nos. 45603	,		<u>1970</u>
, , , , , , , , , , , , , , , , , , , ,	, -	(other)	(year built)
d: Construction Code <u>W E-Spec 677125</u> (edition)	(addenda)	(Code Case(s))	(Code Class)
6. Section XI1983	Summer 83	(0000 0000(0))	N/A
(edition)	(addenda)		(Code Case(s))
7. Applicable edition of ASME Code Section XI under	which repairs, modifications, or repla	acements were made: 1983	S83 N/A
		(edition)	(addenda) (Code Case(s))
8. Applicable edition of Construction Code under which	h repairs, modifications, or replacem	,	_N/A _N/A
	* <u>₩</u> E - Spec 677125	(edition)	(addenda) (Code Case(s))
9. Design responsibilities <u>PSE&G</u>	G design appearance G. C.	Orde Co	
10. Tests conducted: hydrostatic		ssure 3550 psi Code Cas	
Description of work		h(es) is acceptable if properly identified	
DCP 1EC-3260 Pkg. 1 Instruct			•
		,	
12. Remarks:Work Order #: 93062813	<u> 19 I</u>	Deficiency Report #:	N/A
Design_Change_Package			·
See attached pages for	r Description of Repla	acement. N/A	
**System Inservice Te	ST @ NOP/NOT Temp.	81 F	
	CERTIFICATE OF COMPLI	ANCE	
•	· · · · · · · · · · · · · · · · · · ·		
We certify that the statements made in this report are co	orrect and the repair, modification or	replacement of the items describe	d above conforms to Section XI
of the ASME Code and the National Board rules as defi			
Certificate of Authorization no. 36 to us	se the "NR" stamp expires Oct.	. 3, . 19 <u>94</u> .	
PSFSC	CoNuclear Dept.	111	Principal Engr.
Date // - 23 19, 93 . Signed PSE	-	Spululus	
	(repair organization)	(authorized representative)	(title)
**************************************	CEDTIEICATE OF INCRE	TION	
	CERTIFICATE OF INSPEC	HON	
I, the undersigned, holding a valid commission issued b	v The National Board of Boiler and F	Pressure Vessel Inspectors, and ce	ertificate of competency issued by
the state or province of <u>New Jersey</u> and			
of MA have inspected the repair, modificat	-	_ / _	and state that to the
best of my knowledge and belief, this repair, modificatio	n or replacement has been made in	accordance with Section XI of the	ASME Code and the National
rules as defined in the publication NB-102, current			
sed or implied, concerning the repair, modification			
laure in any manner for any personal injury or property	damage or a loss of any kind arising		
Date 11/24 , 1995 . Signed MS H		Factory Mu Commissions Pa 2050 N	tual Engr. Assn.
Date // / 197.) Signed // >	(Inspector)		ements) state or province and number)
	(postar)		

FORM NR-1 REPORT OF REPAIR | MODIFICATION (2) OR INSTALLATION OF REPLACEMENT(S) TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

ork performed by	ıblic Servi	ce Electric (<u> Gas Co N</u>	luclear Dept.	сле	#S93-150_	
			(name)	-		 tion's P.O. no., job	. no.,etc.)
Foot of Butto	nwood Road	, Hancocks B	ridge, NJ 08	038			
			(address)				
2. Owner Public Se	rvice Elect	tric and Gas	Co. (name)		-		
Foot of Butte	proced Poad	Hancocke B					
Foot of Butto	HWOOL ROOL,	, naucucks b	(address)	0.30			
3. Name, address and identif			Salem Nuclear				
Foot of Butto			ridge, NJ 08				
4. SystemChemical					·]		
5. a: Component repaired, m					fice (Com	o ID ICVEZ	(1)
b: Name of manufacturer					NT /'X	107	70
c: Identifying nos456	serial no \	(Nati Bd No)	(jurisdictional no.)	'A	her)	197	year built)
d: Construction Code					•	-	•
d. Constituction code	(edition)	(adde		(Code Ca		(Code (
6. Section XI		,	•	•		•	N/A
	(edition)		(addenda)			(Code Case	- 7
7. Applicable edition of ASME	E Code Section XI	under which repairs	modifications, or rep	lacements were ma	de: 1983		
••			,		(edition)	(addenda)	,
8. Applicable edition of Const	truction Code unde	er which repairs, mod	difications, or replace:	ments were made:	*N/A	_N/A	N/A
		* <u>W</u> I	E-Spec 677125		(edition)	(addenda)	(Code Case(s))
9. Design responsibilities			<u>-</u>			·	
Tests conducted: hydrosta	tic 🔀 pneum	atic 🗌 design	pressure 🗌 ** pre	essure <u>3550</u> ps	si Code Cas	e(s) <u>N/A</u> _	
11 Description of work	he modified						
		(use of a	dditional sheet(s) or sket	ch(es) is acceptable if	properly identified)		
DCP 1EC-3260 F	kg. 1 Instr	uctions.			-		
		· ·					
12. Remarks: Work Or	•••			-	-	•	
			3260 Pkg. 1				
See att	ached pages	s for Descrip	otion of Repl	acement. N/	Α		
**SVSTE	in Inservice	e Test @ NOP/	NOT Temp.	81 F		·	· · · · · · · · · · · · · · · · · · ·
		CERTI	FICATE OF COMPL	IANCE			
		OLATI	TOATE OF COMPL	LIANOL			
We certify that the statements	made in this repor	t are correct and the	renair modification of	or ranlacement of the	items describe	d above conform	s to Section YI
of the ASME Code and the Nat			•	•	, items describer	above willoil	s to occion XI
Certificate of Authorization no.		="	amp expires <u>Oct</u>				
oranogio or rionionization no.				,	<u></u> .		
Date 11-23 19,93	. Signed PS	SE&G CoNuc	lear Dept.	Ithe s	· les	Principa	ıl Engr.
		(repair organi	zation)	(authorized	representative)		(title)
4.*		OFDI	EICATE OF INCRE	CTION			
		CERTI	FICATE OF INSPE	CHON			
the undersigned helding a ve	alid commission is	sued by The Nations	I Board of Boiler and	Process Vocaci Inc	enactors and so	rtificate of some	otonov issued by
, the undersigned, holding a van the state or province ofN							etericy issued by
			ement described in the				ate that to the
est of my knowledge and belie				, ,			
rules as defined in the p							
sed or implied, concerni					· ·	•	
in any manner for any pe					•		. ,
,			,	_	actory Mu		Assn.
Date /// 27 , 19 93	Signed <u>M</u>	Heure		Commissions Pa			
		(Inspector)					vince and number)

FORM NR-1 REPORT OF REPAIR MODIFICAT TO NUCLEAR COMPONENTS AND SY			
			•
Work performed byPublic Service Flectric & Gas (_		
Foot of Buttonwood Road, Hancocks Bridge,	(name) NJ 08038 (address)	(repair organization's F	no., job. no.,etc.)
2. Owner Public Service Electric and Gas Co.			
	(name)		
Foot of Buttonwood Road, Hancocks Bridge,	NJ 08038 (address)		
Name, address and identification of nuclear power plantSalem N		Station Uni	t #1
Foot of Buttonwood Road, Hancocks Bridge,	NJ 08038		7
4. System Safety Injection			lear Class II
5. a: Component repaired, modified or replaced 11ST134 Valve			
b: Name of manufacturer <u>Velan</u>	N/A	NT /3	1000
•	•	N/A her)	1988 (year built)
d: Construction Code <u>W E-Spec 676258</u> N/A	,	•	2
ANSI B31.7 1969 Extiror 1970 Add. (addenda)	(Code Ca		(Code Class)
	ner 83	55(5))	N/A
(edition)	(addenda)		(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modification	•		
	, ,		iddenda) (Code Case(s))
8. Applicable edition of Construction Code under which repairs, modifications, of	or replacements were made:	*1969 19	970 N/A
	7/W E-Spec 676258		Idenda) (Code Case(s))
9. Design responsibilities PSE&G	, - 1		
10. Tests conducted: hydrostatic pneumatic design pressure	**pressure NOP ps	i Code Case(s)_	_N/A
11. Description of work <u>Replaced valve stem</u> , bolting a	nd performed weld	repair on le	ak-off
	et(s) or sketch(es) is acceptable if p	properly identified)	
line.	· · · · · · · · · · · · · · · · · · ·		
12. Remarks:Work_Order #: 930708104	Deficiency I	eport #: N/A	
Design Change Package #: N/A		/3	
See attached pages for Description of		<u>'A</u>	
**System Inservice Test	Temp. NOT		
CERTIFICATE O	E COMPLIANCE		
CERTIFICATE O	COMPLIANCE		
We certify that the statements made in this report are correct and the repair, mod	dification or replacement of the	items described abov	ve conforms to Section XI
of the ASME Code and the National Board rules as defined in the publication NB	·	nome described above	C COMOMING TO COCKETT AT
·	oct. 3, 1994	_	
			
Date //- 3 u 19, 93 Signed PSE&G CoNuclear De	ept.	Pi	rincipal Engr.
(repair organization)	(authorized	representative)	(title)
	···		-
CERTIFICATE O	FINSPECTION		
I, the undersigned, holding a valid commission issued by The National Board of B	Boiler and Pressure Vessel Ins	pectors, and certificat	e of competency issued by
	Arkwright Mutual 1		· · · · · · · · · · · · · · · · · · ·
of MA have inspected the repair, modification or replacement desc		30 , 19 <i>93</i>	and state that to the
best of my knowledge and belief, this repair, modification or replacement has been			
Board rules as defined in the publication NB-102, current edition. By signing this	certificate, neither the Inspect	or nor his employer m	akes any warranty,
expressed or implied, concerning the repair, modification or replacement describe			
n any manner for any personal injury or property damage or a loss of any			
11/25 05 11041	J	Factory Mutual	L Engr. Assn.
Date 11/30, 19 93. Signed NS Devel	Commissions	2036 NIB	S 15 NJ 431

(Inspector)

(Natl.Bd.No.(including endorsements)state or province and number)

TO NUCLEAR COMPONENTS	AND STSTEINS IN	NOCLEAR POWER P	Page 1 of 2
York performed by <u>Public Service Electric</u>	& Gas Co Nuc	<u>-</u>	TP #S93-181 Inization's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancocks	Bridge, NJ 0803		
2. Owner Public Service Electric and Gas	(address)		
	(name)		
Foot of Buttonwood Road, Hancocks I	Bridge, NJ 0803 (address)	8	
3. Name, address and identification of nuclear power plant			Unit #1
Foot of Buttonwood Road, Hancocks J 4. System Safety Injection	Bridge, NJ 0803	8	Nuclear Class I
5. a: Component repaired, modified or replaced 11ST17 Va			
b: Name of manufacturerRockwell - Fdwards			
c: Identifying nos. N/A N/A N/A	N/A_	N/A	1968
(mfr's. serial no.) (Nat'l.Bd.No.)	(jurisdictional no.)	(other)	(year built)
<u> </u>	V/A	N/A	
	enda) Summer 83	(Code Case(s))	(Code Class)
6. Section XI 1983 (edition)	(addenda)		(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repair	• •	ements were made: 1983	
, , , , , , , , , , , , , , , , , , , ,	, ,	(editio	
8. Applicable edition of Construction Code under which repairs, mo	odifications, or replacemen	ts were made: <u>*1969</u>	<u> 1970 N/A</u>
*A	NSI B31.7/W E−Sp	ec 677264 (edition)	(addenda) (Code Case(s))
9. Design responsibilities <u>PSE&G</u>			
	n pressure ** pressu	-	Case(s) N/A
11. Description of work <u>Replaced valve with val</u>	_	n. s) is acceptable if properly identi	fied)
		-, 12 - 13 - p 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	,
12. Remarks: <u>Work Order #: 930709175</u>		ficiency Report #	: N/A
Design Change Package #: 1F0-	_		
See attached pages for Descri	-		
**System Inservice Test	Temp. N	Or	
CERT	IFICATE OF COMPLIAN	NCE	
We certify that the statements made in this report are correct and the of the ASME Code and the National Board rules as defined in the pure Certificate of Authorization no. 36 to use the "NR" s		edition.	ribed above conforms to Section XI
Date 1-14 19,94 Signed PSE&G CoNuc	clear Dept.	1 Shulieli	Principal Engr.
(repair organ	nization)	(authorized representative	e) (title)
CER	TIFICATE OF INSPECTI	ON	
I, the undersigned, holding a valid commission issued by The Nation the state or province of <u>New Jersey</u> and employed by		ssure Vessel Inspectors, and t Mutual Insuranc	
of <u>MA</u> have inspected the repair, modification or replace			1999 and state that to the
best of my knowledge and belief, this repair, modification or replace			
Board rules as defined in the publication NB-102, current edition. By			
sed or implied, concerning the repair, modification or replacer			•
n any manner for any personal injury or property damage or a	loss of any kind arising fro		
Date 1-26, 1994. Signed James 9. 6	olc	mmissions V.BS 894 7	Mutual Engr. Assn.
(Inspector)			orsements)state or province and number)

FORM NR-1 REPORT OF REPAIR

MODIFICATION
OR INSTALLATION OF REPLACEMENT(S)

🖚 ود 🛍

Code Job Package No.: <u>S93-181</u>

Work norformed by	Public Service Electric & Gas Co., Nuclear Dept.
work performed by: Owner:	Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Public Service Electric & Gas Co.
(A. L. *	Foot of Buttonwood Road, Hancocks Bridge, NJ 08038
	Salem Nuclear Generating Station Foot of Buttonwood Road, Hancocks Bridge, NJ 08038
	ection Nuclear Class: <u>I</u>
ID of Component Replace	ed:
riginal Const. Code: _	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement: 115	CT17 Valve
Tame of Manufacturer:	N/A N/A 1993 Yes
Serial No. Nat'l. Bd.	Edward Valve Inc. N/A N/A 1993 Yes Jurist No. Other Year Built ASME Code Stamp'd.?
Replacement Const. Code Code Cases: <u>N/A</u> ANSI B31.7 1969 Ed. 970	2: *ASME III 1989 Edition N/A Addenda, Code Class I
D of Component Replaced	ed:
riginal Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
D of Replacement:	
Replacement Const. Code Code Cases:	
D of Component Replaced	ed:
riginal Const. Code: _	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
lacement Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class

FORM NR-1 REPORT OF REPAIR TO NUCLEAR COMPO		OR INSTALLATION OF REF	
ork performed byPublic Service Ele	ectric & Gas Co		#S93-182
Foot of Buttonwood Road, Hand	cocks Bridge, NJ (08038	.tion's r.O. no., job. no.,etc.j
2. Owner <u>Public Service Electric a</u>) 	·
Foot of Buttonwood Road, Hand	(name) cocks Bridge, NJ ((address)		
3. Name, address and identification of nuclear power plants of Buttonwood Road, Hand	ant <u>Salem Nuclea</u>	ar Generating Station	Unit #1
4. System <u>Safety Injection</u>			Nuclear Class I
5. a: Component repaired, modified or replaced 12S	T17 Valve		Aldre
b: Name of manufacturerRockwell Fdwa			
c: Identifying nos. N/A N		I/AN/A	1968
(mfr's. serial no.) (Nat'l.Bo			(year built)
d: Construction Code <u>WF-Spec 677264</u>	•	N/A	1
ANSI B31.7 1969 Reliio 1970 Add.		(Code Case(s))	(Code Class)
6. Section XI1983	Summer 83		N/A
(edition)	(addend		(Code Case(s))
7. Applicable edition of ASME Code Section XI under wh	•	•	S83 N/A
77 Application of the control of the	1011 ((edition)	(addenda) (Code Case(s))
8. Applicable edition of Construction Code under which r	enairs modifications, or replac	• • •	1970 N/A
o, Application outlier of the action of the	*ANSI B31.7/W E		(addenda) (Code Case(s))
9. Design responsibilities PSE&G	"MINT DOT. 1/17		(4445),444
10. Tests conducted: hydrostatic pneumatic	design pressure **p	ressure <u>NOP</u> psi Code Cas	se(s) N/A
• -		·	;e(s) N/A
11. Description of work <u>Replaced valve with the second value with</u>		etch(es) is acceptable if properly identified)	
	(nze ni administratio) or sur	arcules) is acceptante it brobert, identified)	
10 December 17 - 12 Orders # 021117145		D-Sinisman Demonds #4	37/3
12. Remarks: Work Order #: 921117147		Deficiency Report #:	N/A
Design Change Package		*£_	
See attached pages for			
**System Inservice Test	Temp	o. NOT	
We certify that the statements made in this report are corn	CERTIFICATE OF COMP		d above conforms to Section XI
of the ASME Code and the National Board rules as define	•	•	
	the "NR" stamp expires OC		
 	CoNuclear Dept.	l She liste	Principal Engr.
,	repair organization)	(authorized representative)	(title)
	CERTIFICATE OF INSPI	ECTION	
والمراوات والمتعادي والأراد والمراوات المتعادمات			
, the undersigned, holding a valid commission issued by		_	
the state or province of <u>New Jersey</u> and em		right Mutual Insurance	
of MA have inspected the repair, modification			and state that to the
best of my knowledge and belief, this repair, modification of	or replacement has been made	in accordance with Section XI of the	ASME Code and the National
Board rules as defined in the publication NB-102, current	edition. By signing this certifica	te, neither the Inspector nor his emplo	oyer makes any warranty,
ssed or implied, concerning the repair, modification of	or replacement described in this	report. Furthermore, neither the Insp	pector nor his employer shall be
n any manner for any personal injury or property da			
	//,		itual Engr. Assn.
Date 1-26 , 1994 Signed James S	z. lost_	Commissions NBS894 INA	117373
	(Inspector)		ements)state or province and number)

Code Job Package No.: <u>S93-182</u>

Work performed by:	Public Service Electric & Gas Co., Nuclear Dept. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038
2. Owner:	Public Service Electric & Gas Co. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038
3. Location:	Salem Nuclear Generating Station Foot of Buttonwood Road, Hancocks Bridge, NJ 08038
	ection Nuclear Class: _I
	d:
Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement. 125	Il7 Valve
Replacement Const. Code Code Cases: <u>N/A</u> *ANSI B31.7 1969 Ed.1970	Edward Valve Inc. N/A N/A 1993 Yes Jurist No. Other Year Built ASME Code Stamp'd.? **ASME III 1989 Edition N/A Addenda, Code Class 1 Add.
	d:
Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement:	
Replacement Const. Code: Code Cases:	
ID of Component Replaced Name of Manufacturer:	1:
Original Const. Code: _	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement:	
lacement Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class

FORM NR-1 REPORT TO NUCLE	OF REPAIR MODIFIC	CATION 🛭 OR IN SYSTEMS IN NU	STALLATION OF REP JCLEAR POWER PLA	LACEMENT(S) ☐ NTS Page 1 of 2
ork performed byPublic_Se	rvice Electric & Gas	s Co Nucle		#S93-183 ion's P.O. no., job. no.,etc.)
Foot of Buttonwood R	oad, Hancocks Bridge			
2. Owner Public Service E	lectric and Gas Co.	(address)		
		(name)		
Foot of Buttonwood R	oad, Hancocks Bridge	(address)		
3. Name, address and identification of nu		n Nuclear Gen	erating Station 1	Jnit #1
<u>Foot of Buttonwood R</u> 4. System <u>Safety Injectio</u>		-		Nuclear Class I
5. a: Component repaired, modified or re				AGCICAL CIASS I
b: Name of manufacturerRock			····	
c: Identifying nos. N/A		N/A	N/A	1968
(mfr's. serial no.)	•	urisdictional no.)	(other)	(year built)
d: Construction Code WE-Spec	677264 N/A		N/A	1
ANSI B31.7 1969 Eddition	970 Add. (addenda)		(Code Case(s))	(Code Class)
6. Section XI 1983		mmer 83		N/A
(edition) 7. Applicable edition of ASME Code Secti	on XI under which repairs, modifi	(addenda) cations, or replaceme	nts were made: 1983 (edition)	(Code Case(s)) S83 (addenda) (Code Case(s))
8. Applicable edition of Construction Code	under which repairs, modificatio	ns, or replacements w	·	1970 N/A
		81.7/ <u>W</u> E-Spec		(addenda) (Code Case(s))
9. Design responsibilities PSE&G	 		170D : 0 ! 0	37/3
- ,		re ** pressure_	•	e(s) N/A
11. Description of work Replaced		_		
	(use or additional	sneet(s) or sketch(es) is	acceptable if properly identified)	
		·· · · · · · · · · · · · · · · · · ·		
12. Remarks: Work Order #:			ciency Report #: 1	I/A
	Package #: 1F0-2309			
_	ages for Description	_	ent	
**System Inser	vice Test	Temp. NOT		
	CERTIFICAT	E OF COMPLIANCE	:	
We certify that the statements made in this	report are correct and the repair	modification or replac	cement of the items described	l above conforms to Section XI
of the ASME Code and the National Board		·		
	6 to use the "NR" stamp ex			
	PSE&G CoNuclear			Principal Engr.
Date / - / 4 19, 4 4 . Signed_	(repair organization)	_ _	(authorized representative)	(title)
	CERTIFICAT	E OF INSPECTION		
I sha an dancia and but the constitution of	to decrease the TD block of DD			
I, the undersigned, holding a valid commiss the state or province of <u>New Jers</u>				
	air, modification or replacement o			
best of my knowledge and belief, this repair	-	•		- /
Board rules as defined in the publication NE				
sed or implied, concerning the repair				
h any manner for any personal injury		·		
		-	Factory Mu	tual Engr. Assn.
Date 1-26 , 1994 . Signed (former E. Coll	Comm	issions NB 5894 TNA	NJ373
	(Inspector)		(Natl.Bd.No.(including endorse	ments)state or province and number)

Code Job Package No.: <u>S93-183</u>

2. Owner: 3. Location: 4. System: <u>Safety Inj</u>	Public Service Electric & Gas Co., Nuclear Dept. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Public Service Electric & Gas Co. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Salem Nuclear Generating Station Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 ection Nuclear Class: _I
	d:
Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
Replacement Const. Code Code Cases: <u>N/A</u> *ANSI B31.7 1969 Ed./970	Il7 Valve Edward Valve Inc. N/A N/A 1993 Yes Jurist No. Other Year Built ASME Code Stamp'd.? ** *ASME III 1989 Edition N/A Addenda, Code Class 1 O Add.
serial No. Nat'l. Bd. Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
Replacement Const. Code Code Cases:	
ID of Component Replaced	d:
Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement:	
Lacement Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class

FORM NR-1 REPORT OF REPAIR ☐ MODIFICATION ☑ OR INSTALLATION OF REPLACEMENT(S) ☐ TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS ork performed by <u>Public Service Electric & Gas Co. - Nuclear Dept.</u> (repair organization's P.O. no., job. no.,etc.) Foot of Buttonwood Road, Hancocks Bridge, NJ Public Service Electric and Gas Co. (name) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 3. Name, address and identification of nuclear power plant Salem Nuclear Generating Station Unit #1 Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Nuclear Class I Safety Injection 5. a: Component repaired, modified or replaced 14SJ17 Valve b: Name of manufacturer _____ Rockwell - Fdwards 1968 c: Identifying nos. _N/A (mfr's. serial no.) (jurisdictional no.) (other) (year built) d: Construction Code <u>W E-Spec 677264</u> N/A N/A(addenda) (Code Case(s)) (Code Class) ANSI B31.7 1969 Eddition 1970 Add. Section XI 1983 Summer 83 N/A (Code Case(s)) (edition) (addenda) 7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1983 **S83** (Code Case(s)) (edition) (addenda) 8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: *1969 1970 N/A (Code Case(s)) (edition) (addenda) *ANSI B31.7/W E-Spec 677264 9. Design responsibilities PSE&G Tests conducted: hydrostatic pneumatic design pressure ____NOP__psi Code Case(s)_ N/A 11. Description of work Replaced valve with valve of new design. (use of additional sheet(s) or sketch(es) is acceptable if properly identified) Deficiency Report #: N/A 12. Remarks: _ Work Order #: 920508129 Design Change Package #: 1FO-2309 Pkg. 4 See attached pages for Description of Replacement. **System Inservice Test Temp. NOT **CERTIFICATE OF COMPLIANCE** We certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994 Principal Engr. PSE&G Co.-Nuclear Dept. (authorized representative) Date 1-14 19, 94. Signed (repair organization) (title) CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and certificate of competency issued by Arkwright Mutual Insurance Co New Jersey and employed by _____ have inspected the repair, modification or replacement described in this report on____ and state that to the best of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employer makes any warranty, sed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Factory Mutual Engr. Assn. Commissions NB3894 INA

Code Job Package No.: <u>S93-184</u>

 Owner: Location: System: <u>Safety Injector</u> 	Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 ection Nuclear Class: <u>I</u>
ID of Component Replace	d:
	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
Name of Manufacturer:	Il Valve Edward Valve Inc. N/A N/A 1993 Yes Jurist No. Other Year Built ASME Code Stamp'd.? **ASME III 1989 Edition N/A Addenda, Code Class 1 Add.
ID of Component Replaced e of Manufacturer:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement: Name of Manufacturer: Serial No. Nat'l. Bd. Replacement Const. Code	
ID of Component Replaced Name of Manufacturer:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement:	
acement Const. Code	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) | TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

ork performed by Public Service Electric & Gas Co Nuclear Dept.	CTP #S93-190
(name) (repair	r organization's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 (address)	
2. Owner Public Service Electric and Gas Co.	
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 (address)	
3. Name, address and identification of nuclear power plantSalem Nuclear Generating Stat.	ion Unit #1
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 4. System Fuel Transfer System	Nuclear Class II
5. a: Component repaired, modified or replaced <u>Fuel Transfer System Blind Flange</u> b: Name of manufacturer <u>Westinghouse</u>	
c: Identifying nos. N/A N/A N/A N/A N/A	A 1970
(mfr's. serial no.) (Nat'l.Bd.No.) (jurisdictional no.) (other)	(year built)
d: Construction Code <u>W</u> E=Spec 677020 N/A N/A (edition) (addenda) (Code Case(s))	(Code Class)
6. Section XI	N/A
(edition) . (addenda)	(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1	983 S83 N/A edition) (addenda) (Code Case(s))
8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: *\frac{\pmathbf{N}}{2} \text{Code} (odition of Construction Code under which repairs, modifications, or replacements were made: *\frac{\pmathbf{N}}{2} \text{Code} (odition of Construction Code under which repairs, modifications, or replacements were made: *\frac{\pmathbf{N}}{2} \text{Code} (odition of Construction Code under which repairs, modifications, or replacements were made: *\frac{\pmathbf{N}}{2} \text{Code} (odition of Construction Code under which repairs, modifications, or replacements were made: *\frac{\pmathbf{N}}{2} \text{Code} (odition of Construction Code under which repairs, modifications, or replacements were made: *\frac{\pmathbf{N}}{2} \text{Code} (odition of Code under which repairs) (odition of	
*W E-Spec 677020 (edition of the special content of the special cont	on) (addenda) (Code Case(s))
10. Tests conducted: hydrostatic pneumatic design pressure ** pressure N/A psi C	Code Case(s) N/A
Description of work <u>Replaced blind flange on fuel transfer canal in kind</u>	from folio.
(use of additional sheet(s) or sketch(es) is acceptable if properly	identified)
12. Remarks: Work Order #: 930503126 Deficiency Repor	t #: N/A
Design Change Package #: 1EC-3229 Pkg. 1	
See attached pages for Description of Replacement, N/A	
**Type "B" Mechanical Penetration Leak Rate Test	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in this report are correct and the repair, modification or replacement of the items of	described above conforms to Section XI
of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994	
DCECC Co -Muclear Dont	Principal Engr.
Date 12-9 19,93 Signed PSE&G CoNuclear Dept.	Fructhar Fibr.
(repair organization) (authorized represer	ntative) (title)
CERTIFICATE OF INSPECTION	
, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors	
the state or province of <u>New Jersey</u> and employed by <u>Arkwright Mutual Insuration</u> have inspected the repair, modification or replacement described in this report on 12-6	ance co and state that to the
nest of my knowledge and belief, this repair, modification or replacement described in this report on	
rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor h	
sed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither	• •
in any manner for any personal injury or property damage or a loss of any kind arising from or connected with thi	
	ry Mutual Engr. Assn.
	g endorsements)state or province and number)
	•

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) | TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS | Page 1 of 1

rk performed by Public Serv	vice Electric	: & Gas Co Nucle	ear Dept. CJP	#S93-192	
Foot of Buttonwood Roa	ad Hancocks	(name)	(repair organizat	ion's P.O. no., job.	no.,etc.)
	2017 1100000000	(address)			
2. Owner <u>Public Service Ele</u>	ectric and Ga	IS CO.			
Foot of Buttonwood Roa	ad, Hancocks				
3. Name, address and identification of nuclea	· · · · · · · · · · · · · · · · · · ·			<u>Unit #1</u>	
Foot of Buttonwood Rox	ad, Hancocks	Bridge, NJ 08038		Nuclear C	logg T
System <u>Reactor Coolant</u> S. a: Component repaired, modified or replace	ced 1DR7 Valv			Nuclear C.	Lass I
b: Name of manufacturerVelan					
c: Identifying nos. <u>PSF-54040</u>	N/A	N/A	N/A	196	57
(mfr's. serial no.)	(Nat'l.Bd.No.)	(jurisdictional no.)	(other)	(y	ear built)
d: Construction Code <u>W E-Spec (</u>			N/A	I_	
ANSI B31.7 1969 Rdition197			(Code Case(s))	(Code C	4-
6. Section XI 1983 (edition)		Summer 83 (addenda)		(Code Case	N/A
7. Applicable edition of ASME Code Section	XI under which repair	, ,	ents were made: 1983	S83	N/A
11	•		(edition)	(addenda)	(Code Case(s))
8. Applicable edition of Construction Code un				<u> 1970 </u>	N/A
	*A	NSI B31.7/W E-Spec	c 676258 (edition)	(addenda)	(Code Case(s))
9. Design responsibilities PSE&G	umatia 🗆 dacia	n procesure	NOD asi Cada Casa	o(a) NT /7	
 Tests conducted: hydrostatic pnet Description of work Replaced s 	=	n pressure **pressure_	NOP psi Code Casi	e(s) <u>N/A</u>	
According to the second		additional sheet(s) or sketch(es) is	acceptable if properly identified)	 .	
			·· ·		
12. Remarks: Work Order #: 93			ciency Report #:	N/A	
Design Change Pa		Rev. N/A ription of Replacem	ont N/A		
**System Inserv		Temp. NOI			
			<u> </u>		,
	CERT	TIFICATE OF COMPLIANCE	E		
We certify that the statements made in this rep		·		d above conform	s to Section XI
of the ASME Code and the National Board rule	•				
Certificate of Authorization no36		stamp expires Oct. 3,	, 19 <u>_94</u> .		_
Date / - 14 19, 94 Signed	PSE&G CoNu	clear Dept.	Shulule	Principa	il Engr.
	(repair organ	nization)	(authorized representative)		(title)
	CER	TIFICATE OF INSPECTION			
I, the undersigned, holding a valid commission	issued by The Nation	aal Board of Boiler and Process	ro Vessel Inspectors, and co	tificate of compe	stancy issued by
	7 and employed by		Mutual Insurance	•	itericy issued by
		cement described in this repor		~~~	te that to the
best of my knowledge and belief, this repair, m	odification or replace	ment has been made in accord	dance with Section XI of the A	ASME Code and	the National
rules as defined in the publication NB-10				•	
sed or implied, concerning the repair, mo					ployer shall be
lasse in any manner for any personal injury or i	property damage or a	ioss of any kind arising from o	or connected with this inspect Factory Mu		Aggn
Date /- 18 , 19 ^C] 4 . Signed	nne 5. /	Comm	nissions NB 5894 INF		75
	(Inspector)		(Natl.Bd.No.(including endorse		rince and number)
				<u> </u>	

FORM NR-1 REPORT OF REPAIR MODIFICATION OR INSTALLATION OF REPLACEMENT(S) TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

rk performed by <u>Public Service Electric & Gas Co Nuclear Dept.</u> CJP #	\$93 – 193
(name) (repair organizati	on's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 (address)	
2. Owner Public Service Electric and Gas Co.	
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	
(address) 3. Name, address and identification of nuclear power plant Salem Nuclear Generating Station U	mit. #1
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	
	Nuclear Class I
5. a: Component repaired, modified or replaced <u>1PR6 Valve</u> b: Name of manufacturer <u>Velan</u>	
c: Identifying nos. <u>6381782</u> <u>N/A</u> <u>N/A</u> <u>N/A</u>	1967
(mfr's. serial no.) (Nat'l.Bd.No.) (jurisdictional no.) (other)	(year built) T
d: Construction Code <u>W F-Spec 676258</u> <u>N/A</u> <u>N/A</u> ANSI B31.7 1969 Eddition 1970 Add. (addenda) (Code Case(s))	(Code Class)
6. Section XI 1983 Summer 83	N/A
(edition) (addenda)	(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1983 (edition)	S83 N/A (Code Case(s))
8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: *1969	1970 N/A
*ANSI B31.7/W E-Spec 676258 (edition) 9. Design responsibilities PSE&G	(addenda) (Code Case(s))
10. Tests conducted: hydrostatic pneumatic design pressure ** pressure NOP psi Code Case	e(s) N/A
Description of work Replaced stem. (use of additional sheet(s) or sketch(es) is acceptable if properly identified)	
tuse of additional street(s) of steamfest is acceptable in properly identification	
Deficiency Deport # N	1/3
12. Remarks: Work Order #: 930708098 Deficiency Report #: N Design Change Package #: N/A Rev. N/A	/A
See attached pages for Description of Replacement. N/A	
**System Inservice Test Temp. NOT	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in this report are correct and the repair, modification or replacement of the items described of the ASME Code and the National Board rules as defined in the publication NB-102, current edition.	above conforms to Section XI
Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994	
PSE&G CoNuclear Dept.	Principal Engr.
Date / - 1 4 19, 4 4 . Signed	(title)
CERTIFICATE OF INSPECTION	
, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and cert	tificate of competency issued by
he state or province of New Jersey and employed by Arkwright Mutual Insurance C	
of MA have inspected the repair, modification or replacement described in this report on $/-//$, 19 described in this report of $/-///$, 19 described in this report of $/-////$, 19 described in	19 and state that to the SMF Code and the National
rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employed	
sed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspe	
in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspecting the factory Mut	on. wal Engr. Assn.
Date 1-18, 1994. Signed James S. Col Commissions NB 5894 TN/	9 NJ373
(Natl.Bd.No.(including endorsen	nents)state or province and number)

Vork performed by Public Service B	lectric & Gas (Co Nuclea	ar Dept. CJP	#S93-207	
Foot of Buttonwood Road, Ha	ncocks Bridge,	(name) NJ 08038	(repair organiza	tion's P.O. no., job.	no.,etc.)
		(address)			
2. Owner Public Service Electric	and Gas Co.				
Foot of Buttonwood Road, Ha	ncocks Bridge,	(name) NJ 08038			
		(address)			
3. Name, address and identification of nuclear power property foot of Buttonwood Road, Ha		 	erating Station	Unit #1	
4. System Chemical Volume Control		MD 00036		Nuclear C	lage II
5. a: Component repaired, modified or replaced 11		Iting		Macrair C	1435 11
b: Name of manufacturer TTT Grinnel					
	N/A	N/A	N/A	19	88
	.Bd.No.) (jurisdi	ctional no.)	(other)	()	rear built)
d: Construction Code WE-Spec E67628	1970		N/A	II	
ANSI B31.7 1969 (edition)	(addenda)		(Code Case(s))	(Code C	Class)
6. Section XI		mer 83			N/A
(edition)		(addenda)		(Code Case	
7. Applicable edition of ASME Code Section XI under	which repairs, modification	ns, or replacement		_S83	<u>N/A</u>
			(edition)	(addenda)	(Code Case(s))
8. Applicable edition of Construction Code under which	•	or replacements we .7/WE-Spec		1970	N/A (Code Case(s))
9. Design responsibilities PSE&G	"MIST DJI	//w E-spec	676281 (edition)	(addenda)	(Code Case(s))
	design pressure	☐ ** pressure	NOP psi Code Cas	e(s) N/A	
11. Description of work Replaced bonnet		pressure	psi	,o(b)	
		et(s) or sketch(es) is a	cceptable if properly identified)		
12. Remarks: Work Order #: 9109180			ciency Report #:	N/A	
Design Change Package		Rev. N/A			
See attached pages for **System Inservice Te		Temp. NOT	ent. N/A	-	
**System Hiservice re	SL	Temp. NOI		· · · · · · · · · · · · · · · · · · ·	7
	CERTIFICATE O	E COMPLIANCE			
	CENTILICATE OF	COMIT LIAMOL			
We certify that the statements made in this report are co	orrect and the repair, mod	dification or replace	ment of the items describe	d above conform	s to Section XI
of the ASME Code and the National Board rules as defi	·				
	se the "NR" stamp expires		, ₁₉ 94		
C PSEAG	CoNuclear De	ent.	0 00	Princip	al Engr.
Date 9- 2 9 19, 9.3. Signed FSE			Spelula		
	(repair organization)		(authorized representative)		(title)
	05071510475.0	E INODEOTION			
	CERTIFICATE O	FINSPECTION			
I, the undersigned, holding a valid commission issued b	v The National Board of F	Roilor and Proceure	Voccal Inspectors and co	ertificate of comp	atency issued by
			iutual Insurance		etericy issued by
of MA have inspected the repair, modifica			<u> </u>	02	ite that to the
best of my knowledge and belief, this repair, modification	•	-			
Board rules as defined in the publication NB-102, curren					
essed or implied, concerning the repair, modification	• –				
in any manner for any personal injury or property	damage or a loss of any l	kind arising from or			_
- 9 20 07	6/1		1 - 1	itual Engr	. Assn.
Date 9-29, 1993. Signed 4	17. losh	Commis	ssions NB 5894 TNA	NO 3/3	
<i>y</i>	COSPECIOO		(Natl.Bd.No.(including endorse	menisistate of bro	vince and number). I

FORM NR-1 REPORT OF REPAIR MODIFICATION OR INSTALLATION OF REPLACEMENT(S) TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

Page 1 of 1

Vork performed byPublic Service Flectric & Gas C	Co Nuclear Dept.	CJP #	S93-212	
		(repair organizatio	n's P.O. no., job. no.,etc.)	
Foot of Buttonwood Road, Hancocks Bridge,	NJ 08038 (address)			
2. Owner Public Service Electric and Gas Co.				
	(name)			
Foot of Buttonwood Road, Hancocks Bridge,	NU 08038 (address)			
3. Name, address and identification of nuclear power plantSalem_l	, ,	Station U	nit #1	
Foot of Buttonwood Road, Hancocks Bridge,	NJ 08038			
				II
5. a: Component repaired, modified or replaced 14BF22 Valve				
b: Name of manufacturer <u>Rockwell</u> c: Identifying nos. <u>PSTC-70</u> <u>N/A</u>		N/7	1969	
•	fictional no.) (other	,	(year built)	
d: Construction Code	,		II	
ANSI B31.7 1969 Ectition 1970 Add. (addenda)	(Code Case	(s))	(Code Class)	
6. Section XI	mer 83		N/A	
(edition)	(addenda)		(Code Case(s))	
7. Applicable edition of ASME Code Section XI under which repairs, modificati	ons, or replacements were made		S83 N/A	
O Applicable of the of Oceanomic Oceanomic transfer and the original and the ocean of the other or	tt	(edition)	, ,	Case(s))
8. Applicable edition of Construction Code under which repairs, modifications,		*1969	1970 N/A (addenda) (Code	
9. Design responsibilities PSE&G	71-6164/70-6497	(edition)	(addenda) (Code	Case(s))
	**pressure NOP psi	Code Case(s) N/A	
11. Description of work Performed weld repairs on value				
(use of additional she	et(s) or sketch(es) is acceptable if pro	perly identified)	, 	
· · · · · · · · · · · · · · · · · · ·				
10.7				
12. Remarks: Work Order #: 921006123	-			
Design Change Package #: N/A See attached pages for Description of	•			
**System Inservice Test				
	<u> </u>			
CERTIFICATE O	F COMPLIANCE			
We certify that the statements made in this report are correct and the repair, mo	dification or replacement of the it	ems described a	above conforms to Sec	tion XI
of the ASME Code and the National Board rules as defined in the publication NE				
Certificate of Authorization no. 36 to use the "NR" stamp expire	s <u>Oct. 3,</u> , 19 <u>94</u>	·		
Date 2 - 4 19,44 Signed PSE&G CoNuclear De	ept. Shul	ilu	Principal Eng	gr.
(repair organization)	(authorized re	presentative)	(title)	
CERTIFICATE C	OF INSPECTION			
l, the undersigned, holding a valid commission issued by The National Board of				ssued by
the state or province of <u>New Jersey</u> and employed by		7 /2	\ / /	
of MA have inspected the repair, modification or replacement described in the second of the second o	•	<u>-5</u> , 19 <u>-7</u>	and state that t	
best of my knowledge and belief, this repair, modification or replacement has be				
Board rules as defined in the publication NB-102, current edition. By signing this sed or implied, concerning the repair, modification or replacement describ				
an any manner for any personal injury or property damage or a loss of any				man be
	-	•	ual Engr. Assı	n.
Date 3-1, 19 6/4. Signed James E. Cook	Commissions NBS	894 INA	NJ373	
(Inspector)	(Natl.Bd.No.(in	cluding endorseme	ents)state or province and	l number)

FORM NR-1 REPORT OF REPAIR $\ \square$ MODIFICATION $\ \square$ OR INSTALLATION OF REPLACEMENT(S) $\ \square$ TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

York performed by Public Service Electric & Gas	Co Nuclear	Dept. CJP	#S93-218
	(name)	_	tion's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancocks Bridge,	NJ 08038 (address)		
2. Owner Public Service Electric and Gas Co.	(,		
	(name)		
Foot of Buttonwood Road, Hancocks Bridge,	NJ 08038		
_	(address)		•• "-
3. Name, address and identification of nuclear power plant Salem		ating Station	Unit #1
Foot of Buttonwood Road, Hancocks Bridge,	NU 08038		Nuclear Class I
4. System <u>Residual Heat Removal</u> 5. a: Component repaired, modified or replaced 1P-SISN-502-A Sr	nihhar		Nuclear Class 1
b: Name of manufacturer Pacific Scientific	iconer		
c: Identifying nos330 N/A	N/A	N/A	1976
•	isdictional no.)	(other)	(year built)
d: Construction Code PS Spec 73-6402 N/A		N/A	I
ANSI B31.7 1969 EdditioiD970 Add. (addenda)		(Code Case(s))	(Code Class)
6. Section XI Sum	mer 83		N/A
(edition)	(addenda)		(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modification	ations, or replacements		S83 N/A
		(edition)	(addenda) (Code Case(s))
 8. Applicable edition of Construction Code under which repairs, modifications *ASME III/ANSI B31.7 	•		S76 N/A (Code Case(s))
9. Design responsibilities PSE&G	1909 Ed. 1970	ACCC. (edition)	(addenda) (Code Case(s))
- '	e [] ** pressure1	V/A nsi Code Cas	e(s) N/A
11. Description of work <u>Replaced snubber serial # 330</u>			
		ceptable if properly identified)	
12. Remarks: Work Order #: 931102641		ency Report #:]	N/A
Design Change Package #: N/A	Rev. N/A		
See attached pages for Description		t. N/A	
**VT 3 Pre-Service	Temp, N/A	· · · · · · · · · · · · · · · · · · ·	
CEDTIFICATE	OF COMPLIANCE		
OLHIIIOATE	OF COMPLIANCE		
We certify that the statements made in this report are correct and the repair, m	nodification or replacem	ent of the items described	d above conforms to Section XI
of the ASME Code and the National Board rules as defined in the publication N	· ·		above combine to couldny.
Certificate of Authorization no. 36 to use the "NR" stamp expi		1994	
PSE&G CoNuclear I			Principal Engr.
Date 17 - 6 19, 93 . Signed PSEAG W. NUCLEAR I	Æpt.	Salulu	— — — — —
(repair organization)	(8	authorized representative)	(title)
CERTIFICATE	OF INSPECTION		
, the undersigned, holding a valid commission issued by The National Board of			
he state or province of <u>New Jersey</u> and employed by		tual Insurance	
of MA have inspected the repair, modification or replacement de	,		and state that to the
pest of my knowledge and belief, this repair, modification or replacement has be			
Board rules as defined in the publication NB-102, current edition. By signing the repair, modification or replacement describes or implied, concerning the repair, modification or replacement describes.		·	•
any manner for any personal injury or property damage or a loss of an	•	· ·	
any marrier for any personal injury or property damage of a loss of all	iv kind arising from of co	onnected with this inspec	tion
	ly kind arising from or co		tion. tual Engr. Assn.
Date 12-8 1993 Signed Orimin E. Corl			tual Engr. Assn.
Date 12-8, 1993. Signed Comin E. Cont (Inspector)	Commissi	Factory Mui ions <u>NB 5894 IN</u>	tual Engr. Assn.

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1 Page 1 of 1 Provided by Public Service Electric & Gas Co. - Nuclear Dept. CJP #S93-220 (name) (repair organization's P.O. no., job. no., etc.) pot of Buttonwood Road, Hancocks Bridge, NJ 08038 (address) Public Service Electric and Gas Co. (name)

	Programme and the second secon	(name)	/renair	organization	's P.O. no., job	no etc)
	Foot of Buttonwood Road, Hancocks Bridge,		(repair	organication	o	. 1.0.,010.)
-		(address)				
2 (Owner Public Service Electric and Gas Co.	(dddress)				
۷. ۱	Tubite belvice Electric aim Gas co.	(name)				
	Foot of Buttonwood Road, Hancocks Bridge,	•				
-		(address)				
		· •		Li T1	<u>г. : т.</u> ил	
3. 1	Name, address and identification of nuclear power plant Salem N Foot of Putton road Road Hangaging Pridge		acmy sta	LION U	IIIC #I	
. ~	Foot of Buttonwood Road, Hancocks Bridge,	MO 08038				
	System Safety Injection	DOLONEOU ACD	G1-1		uclear (Class I
	a: Component repaired, modified or replaced <u>1PSISN-502 A&B, 1</u> b: Name of manufacturer <u>Pacific Scientific</u>	LESTSNOO? YAR	- Snubbe.	<u></u>		,
				/3		
C	c: Identifying nos. N/A N/A	N/A	,	/A		988
	, , , , , , , ,	ctional no.)	(other)			(year built)
C	d: Construction Code PS Spec 73-6402 N/A		N-71 t			
	ANSI B31.7 1969 Edition1970 Add. (addenda)		Code N249)) 1 ,	/2, N24	7 (Code	Class)
6. 8	Section XI Summ	er 83		-		N/A
	· ,	(addenda)			(Code Cas	
7. <i>F</i>	Applicable edition of ASME Code Section XI under which repairs, modification	ns, or replacements w	rere made:	<u> 1983</u>	S83	_N/A
			(edition)	M44B&19),	N7Qode Desets))
8. <i>F</i>	Applicable edition of Construction Code under which repairs, modifications, or	r replacements were r	made: * 19	<u> </u>	<u> 1970 </u>	N-71-9
	*ANSI B31.	7/PS Spec 740)2 (editio	iu)	(addenda)	(Code Case(s))
9. C	Design responsibilities PSE&G	· 				
		☐ **pressure1	¶∕A psi C	ode Case(s	s)N/A_	
14	Description of work <u>Replaced transition tubes asse</u>	mblies.				
	(use of additional sheet	t(s) or sketch(es) is accep	ptable if properly	dentified)		
12. F	Remarks: Work Order #: 931006115	Deficie	ency Repoi	t #: N	/A	
	Design Change Package #: N/A	Rev. N/A				
	See attached pages for Description o	f Replacement	. N/A			
	**VT-3 Pre-Service Examination	Temp. N/A				
		, , , , , , , , , , , , , , , , , , ,				
	CERTIFICATE OF	COMPLIANCE				
We o	certify that the statements made in this report are correct and the repair, modi	ification or replacemen	nt of the items	described a	bove conforr	ns to Section XI
	ne ASME Code and the National Board rules as defined in the publication NB-					
	tificate of Authorization no36 to use the "NR" stamp expires		19_94			
OCILI	•					
Doto	PSE&G CoNuclear De	pt. 1	11 1	,	Princip	pal Engr.
Dale_	(repair organization)		thorized represer	etativo)		(title)
	(repair organization)		miorized represer	itative;		(uue)
	OEDTICIOATE OF	LINODEOTION				
	CERTIFICATE OF	FINSPECTION				
	e undersigned, holding a valid commission issued by The National Board of B					petency issued by
the st	-	Arkwright Mut	()	ance Co	⊇,	
of	MA have inspected the repair, modification or replacement descri		10-2	L, 19 <u>7</u>		ate that to the
pest (of my knowledge and belief, this repair, modification or replacement has bee	n made in accordance	e with Section >	I of the AS	ME Code and	d the National
)——•(rd rules as defined in the publication NB-102, current edition. By signing this	certificate, neither the	Inspector nor h	iis employe	r makes any	warranty,
	sed or implied, concerning the repair, modification or replacement describe	ed in this report. Furth	ermore, neithe	the Inspec	tor nor his er	mployer shall be
زر	in any manner for any personal injury or property damage or a loss of any ki	ind arising from or cor	nnected with thi	s inspectior	١.	
			Facto	ry Muti	ual Engr	. Assn.
Date	7-25, 19 94. Signed Jamy E. Coch	Commissio	ns NB 5894		NJ373	
_	(Inspector)	(Na	tl.Bd.No.(includin	endorseme	nts)state or pre	ovince and number)

Work performed byPublic Service E		_			
The Continue of Dank Har	(nam	•	(repair organizatio	n's P.O. no., job. r	io.,etc.)
Foot of Buttonwood Road, Har	ncocks Bridge, Nu (addre		······		
2. Owner Public Service Electric	and Gas Co.	, 			
	(nam	•			
<u>Foot of Buttonwood Road, Hai</u>					
	(addre	•			
3. Name, address and identification of nuclear power p		_	tation U	nic #1	
Foot of Buttonwood Road, Har	ncocks bridge, Nu	08038	Nħ	ucloar Cla	ec II
System <u>Demin Water</u> S. a: Component repaired, modified or replaced <u>1D</u>	P20 Chook Walvo			uciear cra	155 11
b: Name of manufacturer	DO CHECK ANTAE				
c: Identifying nos	N/A	N/A	N/A	1988	3
	.Bd.No.) (jurisdictiona	- 7			ar built)
d: Construction CodeASME_SecTTT_19*	711971	None	· <u>></u>	2	
(edition)	(addenda)	(Code Case		(Code Cla	ass)
6. Section XI	Summer	33		N	I/A
(edition)	(adde	enda)		(Code Case(s	5))
7. Applicable edition of ASME Code Section XI under	which repairs, modifications, o	replacements were made	: <u>1983 </u>	<u>\$83</u>	<u>N/A</u>
			(edition)	(addenda)	(Code Case(s))
8. Applicable edition of Construction Code under which	n repairs, modifications, or rep	acements were made: _	<u>*1971</u> _	1971	N/A
	c. III/B31.7 1969 :	Ed. 1970 Add.	(edition)	(addenda)	(Code Case(s))
9. Design responsibilities PSE&G					
10. Tests conducted: hydrostatic pneumatic		k pressure <u>NOP</u> psi	Code Case((s) N/A	
11. Description of work <u>Replace bonnet</u>		Accepted At the Atlanta	1 11 -ie b		
	(use of additional sheet(s) of	sketch(es) is acceptable if pro	operiy identirled)		
-					
12. Remarks: Work Order #: 93110113	26	Deficiency Re	mort #. N	/7	
Design Change Package		-	1010 # • 14 ,	/A	
See attached pages for	•	•	\		
**System Inservice Te			<u>-</u>		
1.00 (1.00)					
	CERTIFICATE OF CO	MPLIANCE			
We certify that the statements made in this report are $lpha$	orrect and the repair, modificat	on or replacement of the i	tems described a	above conforms	to Section XI
of the ASME Code and the National Board rules as defi-	ned in the publication NB-102,	current edition.			
Certificate of Authorization no. 36 to us	e the "NR" stamp expires	Oct. 3, 19 <u>94</u>	·		
PSEAG	CoNuclear Dept.	111		Principal	Enor.
Date 10-25 19, 93 Signed		SSkulie	hu	_ _	
	(repair organization)	(authorized re	presentative)		(title)
	AFDTIFIA TE AF IN				
	CERTIFICATE OF INS	SPECTION			
About and any time to the state of the state	The New coll Decoder's Dellar	D		6:	:1 1
the undersigned, holding a valid commission issued by	_	_			ency issued by
the state or province of <u>New Jersey</u> and of MA have inspected the repair, modification		wright Mutual Ir	0-13 199	<u> </u>	e that to the
of <u>MA</u> have inspected the repair, modification have inspected the repair.	·	,	· _		
Board rules as defined in the publication NB-102, currer	•				
ressed or implied, concerning the repair, modification					
in any manner for any personal injury or property of					, 5. 5.14.11 55
	(/ A		ctory Mut		Assn.
Date 10-26 , 1993 . Signed Jones	12. Cosh	Commissions NBS	894 INA	NJ373	
	(Inspector)		cluding endorsem	ents)state or provi	nce and number)
•					

FORM NR-1 REPORT OF	REPAIR MODIFICATION OR INSTALLATION OF I	REPLACEMENT(S) 🛛
TO NUCLEAR	COMPONENTS AND SYSTEMS IN NUCLEAR POWER F	Page 1 of 3

k performed by Public Servi	ice Electric	& Gas Co Nucle	ear Dent CT	? #S93 - 225
in perioritied by	<u> Licourio</u>	(name)		zation's P.O. no., job. no.,etc.)
Foot of Buttonwood Road	d, Hancocks I	Bridge, NJ 08038		
2. Owner Public Service Elec	etric and Gas	(address)		
Z. OWIEI	SCIIC dia Ga.	(name)		
Foot of Buttonwood Road	d, Hancocks I	, ,		
3. Name, address and identification of nuclear	r power plant	Salem Nuclear Ger	nerating Station	Unit #1
Foot of Buttonwood Road			retucing beaution	0120 1
4. System Main Steam/Turbine				Nuclear Class II
5. a: Component repaired, modified or replace	ed Piping 12N	1S200	·	
b: Name of manufacturerM.JDo				
c: Identifying nos. <u>N/A</u>	N/A	N/A	N/A	<u> </u>
(mfr's, serial no.)	(Nat'l.Bd.No.)	(jurisdictional no.)	(other)	(year built)
d: Construction Code <u>ANSI B31.7</u> (edition)		L970	N/A	(Codo Close)
6. Section XI 1983	(auu	enda) Summer 83	(Code Case(s))	(Code Class) N-416
(edition)		(addenda)		(Code Case(s))
7. Applicable edition of ASME Code Section X	I under which repairs	, ,	ents were made: 1983	, , , , , , ,
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·····	-,	(edition)	
8. Applicable edition of Construction Code und	der which repairs, mo	difications, or replacements	were made: <u>*1969</u>	<u> 1970 N-416 </u>
	*A!	ISI B31.7	(edition)	(addenda) (Code Case(s))
9. Design responsibilities PSE&G				
		n pressure		ase(s) N/A
Description of work Replaced fl		additional sheet(s) or sketch(es) i		d\
9	(use of a	additional street(s) or sketch(es) i	s acceptable if properly identifie	u)
		 		
12. Remarks: Work Order #: 921	216155	Def	ciency Report #:	N/A
Design Change Pac		Rev. N/A		
See attached page				
**System Inservic	œ Leak Test	Temp. NO	<u> </u>	
			<u>.</u>	
	CERI	IFICATE OF COMPLIANC	E	
We certify that the statements made in this repo	et are correct and the	roneir madification or roals	samant of the items describ	and above conforms to Section VI
of the ASME Code and the National Board rules				ed above comorms to Section XI
Certificate of Authorization no. 36	•	tamp expires Oct. 3,		
	_			During given 1 Theory
Date	SE&G CoNuc	lear Dept.	1 Shululin	Principal Engr.
	(repair orgar	nization)	(authorized representative)	(title)
	CERT	TIFICATE OF INSPECTION	ı	
	· · ·		•	
, the undersigned, holding a valid commission is	ssued by The Nation	al Board of Boiler and Pressi	ure Vessel Inspectors, and	certificate of competency issued by
he state or province of New Jersey	and employed by	<u>Arkwright</u>	Mutual Insurance	
		ement described in this repo		9 <u>74</u> and state that to the
pest of my knowledge and belief, this repair, mo				
and as implied as a series the publication NB-102	-			-
sed or implied, concerning the repair, mo	•	·		· ·
in any manner for any personal injury or pr	operty damage of a	ioss of any kind arising from		utual Engr. Assn.
Date 3- L , 19 94 . Signed	mu/ E. Cor	Comr	missions/VB S894 INI	1 117373
7	(Inspector)			sements)state or province and number)
·				

ork performed by Public Ser	wice Electric	& Cas Co - Nucle	ear Dont CTE	#S93 - 226	
TOTAL DELICITIES BY	VICE DICCCITE	(name)		ation's P.O. no., job	. no.,etc.)
Foot of Buttonwood Ro	ad, Hancocks F				
2. Owner Public Service El	ectric and Gas	(address)			
L. OMIO	.com 10 and out	(name)			
Foot of Buttonwood Ro	ad, Hancocks F				
2 Name address and identification of available	ner sewer plant	(address) Salem Nuclear Gen	orating Station	IIni+ #1	
Name, address and identification of nucle Foot of Buttonwood Ro			eracing scacton	OHIC #I	
4. SystemMain Steam				Nuclear C	lass II
5. a: Component repaired, modified or replantation		3171			
b: Name of manufacturer <u>Fishe</u>	er N/A	N/A	NT / 3	10	75
c: Identifying nos. <u>5725449</u> (mfr's, serial no.)	(Nat'l.Bd.No.)	N/A (jurisdictional no.)	N/A (other)	19	/ear built)
d: Construction Code <u>ASME Sec.</u>	, ,	• •	N/A	II	
(edition)	(adde	enda)	(Code Case(s))	(Code (Class)
6. Section XI		Summer 83			N/A
(edition) 7. Applicable edition of ASME Code Section	Y Lundor which ropaire	(addenda)	nte wara mada: 1983	(Code Case \$83	e(s)) N/A
7. Applicable edition of ASME Code Section	1 Al under which repairs	, modifications, or replacemen	(edition)	(addenda)	(Code Case(s))
8. Applicable edition of Construction Code L	under which repairs, mo-	difications, or replacements w	vere made: <u>*1971</u>	_S/72	_N/A
DOTTIS C	*AS	ME Sec. III	(edition)	(addenda)	(Code Case(s))
9. Design responsibilities PSE&G 10. Tests conducted: hydrostatic □ pne	oumatic [] design	pressure **pressure_	NOP asi Codo Ca	se(s) N/A	
Pescription of work Replaced				se(s)	
		dditional sheet(s) or sketch(es) is		j)	
12. Remarks: Work Order #: 9	31116004	Defi	ciency Report #:	N/A	
Design Change P		Rev. N/A		- Ny -A	
See attached pa	ges for Descri	ption of Replaceme	ent. N/A		
**System Inserv	ice Test	Temp. NOT			
	CEDTI	FICATE OF COMPLIANCE	:		
	OLIIII	TOATE OF COMITEIANCE	•		
We certify that the statements made in this re	port are correct and the	repair, modification or replac	ement of the items describe	ed above conform	s to Section XI
of the ASME Code and the National Board ru	•				
Certificate of Authorization no. 36	to use the "NR" st	amp expires Oct. 3,	, 19 <u>94</u> .		•
Date 1 - 1 4 19, 94. Signed	PSE&G CoNuc	lear Dept.	Shaluh	Principa	al Engr.
	(repair organi	ization)	(authorized representative)		(title)
		ISIONETS OF INODERSIAN		. —	
	CERI	IFICATE OF INSPECTION			
I, the undersigned, holding a valid commission	n issued by The Nationa	al Board of Boiler and Pressur	re Vessel Inspectors, and c	ertificate of comp	etency issued by
	Υ and employed by		Mutual Insurance	Co	
	•	ement described in this report			ite that to the
best of my knowledge and belief, this repair, r	•				
sed or implied, concerning the repair, n				-	
lacie in any manner for any personal injury or	·	•	r connected with this inspe	ction.	
Date 1-19 , 1994. Signed		-		utual Engr	Assn.
Date (-) (, 19 /) . Signed _ /	(Inspector)	Comm	issions NB STY TOP (Natl.Bd.No.(including endors	ements\state or pro	vince and number)
· /	(mapecior)				vince and number)

k performed by	Public Ser	vice Electric	& Gas Co Nucl	ear Dept. CT	P #S93-227	
			(name) Bridge, NJ 08038	(repair organiz	ation's P.O. no., job. r	io.,etc.)
1000_01	Date Con Wood 100	da, marcocks i	(address)	·		
2. Owner Pub	lic Service Ele	ectric and Gas				
Foot of	Buttonwood Ro	ad. Hancocks F	(name) Bridge, NJ 08038	.		
			(address)	·		
			<u>Salem Nuclear Ge</u> Bridge, NJ 08038	enerating Station	Unit #1	
4. System Rea	actor Coolant				Nuclear Cl	lass I
	aired, modified or replace		.0 Snubber			
	acturer <u>Pacif</u>		NT /3	NT /3	105	
c: Identitying nos.		N/A (Nat'l.Bd.No.)	N/A (jurisdictional no.)	N/A (other)	197	ar built)
d: Construction Co	ode <u>ASME III 1</u>	•	776	1644-1,164	. "	ai builty
	.7 1969 edition)19		nda)	(Code Case(s))	(Code Cla	
6. Section XI			Summer 83		(0.1.0.7	<u>N/A</u>
7 Applicable edition s	(edition)	VI undar which require	(addenda)	ents were made: <u>1983</u>	(Code Case(s S83	5)) N/A
7. Applicable edition t	ASIVIC Code Section A	Ai under which repairs,	modifications, or replaceme	ents were made	(addenda)	(Code Case(s))
8. Applicable edition of	of Construction Code un	der which repairs, mod	ifications, or replacements	, ,	•	L644-4
		*ASME III/ANSI	B31.7 1969 Ed.	1970 Add. (edition)	(addenda)	(Code Case(s))
9. Design responsibili						
10. Tests conducted: h	-			<u>N/A</u> psi Code Ca		
11 Description of work	Replaced s			bber serial #2716 s acceptable if properly identified		
		(use of ad	ullional sheelfs) or skelon(es) i	s acceptable it properly identified	- ,	
	ork Order #: 93			iciency Report #:	SMD 93-311	
	esign Change Pa					
	*VT3 Pre-Service		ption of Replace Temp. N/			
	VIO IIO DOLVII		10.001 17	···		
		CERTIF	FICATE OF COMPLIANC	E		
				cement of the items describe	ed above conforms	to Section XI
	~ ~	•	lication NB-102, current edi			
Certificate of Authorizat				, 19 <u>94</u>		
Date / - 6 19,	94 Signed	PSE&G CoNuc	lear Dept	en or	Principa	l Engr.
		(repair organiz	ation)	(authorized representative)		(title)
		CERTI	FICATE OF INSPECTION	I		
l the undersianed held	ling a valid commission	issued by The National	Poord of Poilor and Decem	ure Vessel Inspectors, and c	outificate of someon	on av issued by
the state or province of		and employed by		Mutual Insurance		ency issued by
'			ment described in this repo		7.3	e that to the
			· ·	dance with Section XI of the	ASME Code and t	he National
N .				er the Inspector nor his emp	-	
	- '	•	•	Furthermore, neither the Ins	•	loyer shall be
		oroperty damage or a lo	oss of any kind arising from	or connected with this inspe		Acco
Date 1-14 , 19	94 Sinned	2 min E /2	Com	raccory r missions NB 5894 In	Mutual Engr. 1111 au T37	7 7
, 19	Olyllou 7	(Inspector)	001111	(Natl.Bd.No.(including endors	sements)state or provi	nce and number)
						_ `_

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S)X TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

ork performed by <u>Public Servi</u>	ce Electric	. & Gas Co No (name)			S93-228 on's P.O. no., job. no.,etc.)
Foot of Buttonwood Road	. Hancocks	` ,	•	cpan organizati	
		(address)			
2. Owner <u>Public Service Flec</u>	tric and Ga				
Foot of Buttonwood Road	, Hancocks		038		
3. Name, address and identification of nuclear	nower plant	(address)	Conorating St	ation I	Init #1
Foot of Buttonwood Road			_	acion (<u>πτο πτ</u>
4. System <u>Steam Generator Fe</u>				1	Muclear Class I
5. a: Component repaired, modified or replace					
b: Name of manufacturerPacific				37./3	1076
c: Identifying nos. 445 (mfr's. serial no.)	N/A(Nat'l.Bd,No.)	N/i	A (other)	N/A	1976(year built)
d: Construction Code PS Spec 73=		•	1644-		I
ASME III 74 W75, PANSTI B3		•	(Code Case(s		(Code Class)
		Summer 83_		<u>. </u>	N/A
(edition)		(addenda)			(Code Case(s))
7. Applicable edition of ASME Code Section XI	under which repair	rs, modifications, or repla	acements were made:		S83 N/A (Code Case(s))
8. Applicable edition of Construction Code under	er which renairs im	odifications or replacem	nents were made: 3	• •	S76 1644-4
		SI B31.7 1969			(addenda) (Code Case(s))
9. Design responsibilities PSE&G					
					e(s)N/A
11. Description of work Replaced sn					·
	(use of	additional sheet(s) or sketc	ri(es) is acceptable if prop	eny identified)	
12. Remarks: <u>Work Order #: 931</u>	102041		Deficiency Rep	port #: N	I/A
Design Change Pac					
See attached page **VT3 Preservice	s for Descr	<u>iption of Repla</u> Temp.		<u>-</u>	
^^VI3 Meservice	· · ·		IV/A		
	CER	TIFICATE OF COMPL	IANCE		
We certify that the statements made in this repor			•	ms described	above conforms to Section XI
of the ASME Code and the National Board rules					
Certificate of Authorization no36	to use the "NH" :	stamp expires <u>Oct</u>	<u>. 3,</u> , 19 <u>94</u>	'	
Date <u>/ 2 - 9</u> 19, <i>9.7</i> . Signed P	SE&G CoNu	clear Dept.	I Sheliet	, , , , , , , , , , , , , , , , , , ,	Principal Engr.
	(repair orga	nization)	(authorized rep	resentative)	(title)
	CER	TIFICATE OF INSPEC	TION		<i>,</i> •
	52				
, the undersigned, holding a valid commission is	sued by The Nation				
he state or province of New Jersey			ght Mutual Ins	surance ((16)
of MA have inspected the repair, m				<u>~/6</u> , 19 <u>)</u>	and state that to the
pest of my knowledge and belief, this repair, mod Board rules as defined in the publication NB-102					· ·
sed or implied, concerning the repair, mod					
any manner for any personal injury or pro			from or connected wit	h this inspect	on.
116 62 0	(′ /	. 7 .46	a ^ i ~ ~	ual Engr. Assn.
Date 12-8 , 19 <u>93</u> . Signed <u>Va</u>	nist Z. Lo	yh-	Commissions N/3 S8		1 NJ 3/3
,	(Inspector)	<u> </u>	(INATI.BG.IND.(INC	uuing endorser	nents)state or province and number)

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) | TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

Vork performed by Public Service Electric & Gas	Co Nuclear Dept. CJP #S93-229
Foot of Buttonwood Road, Hancocks Bridge,	(name) (repair organization's P.O. no., job. no.,etc.)
root of buttonwood Road, hancoeks bridge,	(address)
2 Owner <u>Public Service Electric and Gas Co.</u>	
	(name)
Foot of Buttonwood Road, Hancocks Bridge,	
Name, address and identification of nuclear power plantSalem :	(address) Nuclear Conerating Station Unit #1
Foot of Buttonwood Road, Hancocks Bridge,	
4. System Reactor Coolant	Nuclear Class I
5. a: Component repaired, modified or replaced <u>1C-PRA-162 Snubb</u>	
b: Name of manufacturer Pacific Scientific	
c: Identifying nos. 111 N/A	
	dictional no.) (other) (year built)
d: Construction Code PS Spec 73-6402 N/A	1644-4 1979
ASME III 1974 W75-/ANSI B31.7 1969accedua)1970	Add. (Code Case(s)) (Code Class)
6. Section XI 1983 Sum	mer 83 N/A
(edition)	(addenda) (Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modification	ons, or replacements were made: 1983 S83 N/A
	(edition) (addenda) 1686 e Case(s))
8. Applicable edition of Construction Code under which repairs, modifications,	or replacements were made: <u>*1974</u> <u>W75</u> <u>1644-4</u>
*ASME III	(edition) (addenda) (Code Case(s))
9. Design responsibilities PSE&G	
	☐ ** pressure <u>N/A</u> psi Code Case(s) <u>N/A</u>
11. Description of work <u>Replaced snubber serial #11 w</u>	
(use of additional she	et(s) or sketch(es) is acceptable if properly identified)
	······
12. Remarks: Work Order #: 931102041	
Design Change Package #: N/A	
See attached pages for Description	
**VT3 Pre-service	Temp. N/A
OFDTIFIOATE O	AF COMPLIANCE
CERTIFICATEO	OF COMPLIANCE
Mr. and the state of the state	No sign of the last of the las
We certify that the statements made in this report are correct and the repair, mo	
of the ASME Code and the National Board rules as defined in the publication NE	
Certificate of Authorization no. 36 to use the "NR" stamp expire	es <u>Oct. 3, 1994</u>
Date 12-6 19,93 Signed PSE&G CoNuclear De	ept. /// Principal Engr.
(repair organization)	(authorized representative) (title)
CERTIFICATE C	DF INSPECTION
V	
I, the undersigned, holding a valid commission issued by The National Board of	Boiler and Pressure Vessel Inspectors, and certificate of competency issued by
the state or province of New Jersey and employed by	
of MA have inspected the repair, modification or replacement described.	
best of my knowledge and belief, this repair, modification or replacement has be	——————————————————————————————————————
Board rules as defined in the publication NB-102, current edition. By signing this	
	ped in this report. Furthermore, neither the Inspector nor his employer shall be
n any manner for any personal injury or property damage or a loss of any	· · · · · · · · · · · · · · · · · · ·
	kind arising from or connected with this inspection.
	kind arising from or connected with this inspection. Factory Mutual Engr. Assn.
Date 12-8, 1993. Signed James & Coll. (Inspector)	Factory Mutual Engr. Assn.

ork performed by Public Service Electric & Gas Co Nuclear Dept. CJP #	S93-233
	on's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	<u> </u>
(address)	
2. Owner Public Service Electric and Gas Co. (name)	
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	
(address)	
3. Name, address and identification of nuclear power plant Salem Nuclear Generating Station U	Init #1
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	
4. System <u>Main Steam</u> N	Tuclear Class II
5. a: Component repaired, modified or replaced 14MS169 Support	
b: Name of manufacturer <u>Fisher Valve - PSE&G Support</u>	
c: Identifying nos. None None N/A N/A	1972
(mfr's, serial no.) (Nat'l.Bd.No.) (jurisdictional no.) (other)	(year built)
d: Construction Code PSE&G Spec 69-6445 N/A None	II (Carlo Ciaro)
ANSI B31.7 1969 Edition)970 Add. (addenda) (Code Case(s)) 6. Section XI	(Code Class) N/A
(edition) (addenda)	(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1983	S83 N/A
(edition)	(addenda) (Code Case(s))
8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made:*1969_	1970 N/A
*ANSI B31.7/PSE&G Spec 69-6445 (edition)	(addenda) (Code Case(s))
9. Design responsibilities PSE&G	
10. Tests conducted: hydrostatic pneumatic design pressure ** pressure N/A psi Code Case	
11. Description of work Removal of support for valve disassembly and inspection -	rewelded
(use of additional sheet(s) or sketch(es) is acceptable if properly identified)	
of support after inspection and re-assembly of valve.	
12. Remarks: Work Order #: 931104008 Deficiency Report #: N	 ione
Design Change Package #: None Rev. None	
See attached pages for Description of Replacement. N/A	
**N/A Temp. N/A	
•	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in this report are correct and the repair, modification or replacement of the items described	above conforms to Section XI
of the ASME Code and the National Board rules as defined in the publication NB-102, current edition.	
Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994.	
Date // 22 19, 93 Signed PSE&G CoNuclear Dept.	Principal Engr.
(repair organization) (authorized representative)	(title)
CERTIFICATE OF INSPECTION	•
, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and cert	tificate of competency issued by
the state or province of <u>New Jersey</u> and employed by <u>Arkwright Mutual Insurance</u> C	
of MA have inspected the repair, modification or replacement described in this report on $\sqrt{Q-/3}$, 195	
pest of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the A	
Board rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employ	
sed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspe	
h any manner for any personal injury or property darpage or a loss of any kind arising from or connected with this inspecti	
Factory Mut	ual Engr. Assn.
Date 1/23, 1943. Signed 28 Henrie Commissions PA 2056 NI	
(Inspector) (Natl.Bd.No.(including endorsem	nents)state or province and number)

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) | TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

ork performed by ____ Public Service Electric & Gas Co. - Nuclear Dept. CJP #S93-238 (repair organization's P.O. no., job. no., etc.) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 2. Owner Public Service Electric and Gas Co. (name) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Salem Nuclear Generating Station Unit #1 3. Name, address and identification of nuclear power plant Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Nuclear Class II 4. System ___ Residual Heat Removal 5. a: Component repaired, modified or replaced 12RH18 Valve b: Name of manufacturer ____Fisher_ c: Identifying nos. __11319_ N/A 1988 (Nat'l.Bd.No.) (other) (year built) (mfr's. serial no.) (jurisdictional no.) TT d: Construction Code <u>WE-Spec 676368</u> _ N/A N/A (Code Class) ANSI B31.7 1969 Redition 1970 Add. (addenda) (Code Case(s)) 6. Section XI 1983 Summer 83 (addenda) (Code Case(s)) S83 7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1983 (Code Case(s)) (edition) (addenda) *19<u>69</u> 1970 8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: N/A *ANSI B31.7/W E-Spec 676368 (Code Case(s)) 9. Design responsibilities PSE&G pneumatic Code Case(s) 10. Tests conducted: hydrostatic design pressure | **pressure___ П NOP psi N/A 11. Description of work <u>Replaced flange to valve bolting.</u> (use of additional sheet(s) or sketch(es) is acceptable if properly identified) Work Order #: 921005117 Deficiency Report #: N/A 12. Remarks: ___ Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement. N/A **System Inservice Test Temp. NOT CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. to use the "NR" stamp expires ____Oct._ 3,___, 1994_ Certificate of Authorization no. Principal Engr. PSE&G Co.-Nuclear Dept. Date 11-26 19.93 . Signed (repair organization) (authorized representative) (title) CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and certificate of competency issued by the state or province of <u>New Jersey</u> and employed by <u>Arkwright Mutual Insurance</u> Co have inspected the repair, modification or replacement described in this report on 1/-23, 19 97 and state that to the best of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employer makes any warranty, sed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Factory Mutual Engr. Assn. Date 11-27, 19 93. Signed from U2/ E. Cosh Commissions NB 5894 INA NJ 373 (Natl.Bd.No.(including endorsements)state or province and number)

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

ork performed by Public Service Electric & Gas Co. - Nuclear Dept. CJP #S93-240 (name) (repair organization's P.O. no., job. no., etc.) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Owner Public Service Electric and Gas Co. (name) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Salem Nuclear Generating Station Unit #1 3. Name, address and identification of nuclear power plant Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Nuclear Class II 4. System ____Component_Cooling 5. a: Component repaired, modified or replaced 1CC187 Valve b: Name of manufacturer ____Anchor_Darling N/A c: Identifying nos. <u>U56669</u> N/A (Natl.Bd.No.) (jurisdictional no.) (other) (year built) (mfr's. serial no.) d: Construction Code <u>W.E-Spec 676258</u> N/A N/A (addenda) (Code Case(s)) (Code Class) ANSI B31.7 1969 Eddio 1970 Add. 6. Section XI _ 1983 Summer 83 (addenda) (Code Case(s)) (edition) 7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1983 **S83** N/A (addenda) (Code Case(s)) (edition) *1969 1970 8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: N/A (Code Case(s)) *ANSI B31.7/W E-Spec 676258 (edition) (addenda) 9. Design responsibilities PSE&G 10. Tests conducted: hydrostatic pneumatic design pressure _____NOP__ psi Code Case(s) 11. Description of work <u>Replace valve bolting.</u> (use of additional sheet(s) or sketch(es) is acceptable if properly identified) Work Order #: 930628060 Deficiency Report #: N/A 12. Remarks: _ Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement. N/A **System Inservice Test Temp. NOT CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. to use the "NR" stamp expires ________, 1994 Certificate of Authorization no. PSE&G Co.-Nuclear Dept. Principal Engr. Date /2 -/3 19, 93 . Signed (repair organization) (title) CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and certificate of competency issued by the state or province of <u>New Jersey</u> and employed by <u>Arkwright Mutual Insurance Co</u> have inspected the repair, modification or replacement described in this report on 12best of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employer makes any warranty, sed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be n any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Factory Mutual Engr. Assn. Date 12-14, 1993. Signed n Stewart Commissions P4 2056 NIBSISNI 43/ (Natl.Bd.No.(including endorsements)state or province and number)

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) I TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

Page 1 of 1

irk performed by	Public Serv	ice Flectri	C & Cas Co	- Muclea	r Dont	CTP :	#S93 - 241	
			(nan	ie)	_		on's P.O. no., job	. no.,etc.)
Foot of Bu	ttonwood Roa	d, Hancocks	Bridge, NJ (addr		·			
2. Owner <u>Public</u>	: Service Ele	ctric and G	•					
7.1.07.		7 7	(nam	•				
FOOT OF BU	ttonwood Roa	d, Hancocks	Bridge, NU (addr					
3. Name, address and id					rating Sta	tion T	Jnit #1	
Foot of Bu 4. SystemReact	ttonwood Road	d, Hancocks	Bridge, NJ	08038			Muclear C	lage TT
5. a: Component repaire		ed <u>1WR81</u>					Nuclear C	1055 11
b: Name of manufactu	irerAloyco	Div./Calwo	rth					
c: Identifying nos	•	,		_N/A	N	/A	198	87
•	nfr's. serial no.)	(Nat'l.Bd.No.)	(jurisdictiona	l no.)	(other)		_ :	rear built)
d: Construction Code	ANST B31.7 (edition)		N/A ddenda)		N/A (Code Case(s))		(Code C	lace)
6. Section XI	1983	(4	Simmer	83	(Oode Oase(s))		10006	N/A
	(edition)			enda)	,		(Code Case	
7. Applicable edition of A	SME Code Section X	I under which repa	irs, modifications, o	r replacements	were made: _	1983	_S83	N/A
						(edition)	(addenda)	(Code Case(s))
8. Applicable edition of C	onstruction Code und	•	· ·	lacements wer		969	N/A	N/A
9. Design responsibilities	DCFCC	*	ANSI B31.7		(ean	tion)	(addenda)	(Code Case(s))
10. Tests conducted: hydro		matic des	ign pressure 🛚 🖈	*pressure	N/A psi	Code Case	(s) N/A	
11 Description of work		-					· /	
	•		of additional sheet(s) or		ceptable if properly	y identified)		
				·				
10 Demandary F73-		1115000		D-6:	i amara Dama	- LL LL 3	T / 3	·
	Onder #: 93 on Change Pac		7 Po	v. N/A	iency Repo	rt #: 1	VА	
	attached page			•	nt. N/A			
	service Leak		_	mp. NOT/N	•			
<u></u>								
		CE	RTIFICATE OF CO	MPLIANCE				,
the or a second			u pe v					
We certify that the stateme	•					described	above conform	s to Section XI
of the ASME Code and the Certificate of Authorization			stamp expires				•	
			· · · —			-	Deingin	al Energ
Date 1 - 14 19,9	<u>4</u> Signed	PSE&G CON	uclear Dept.	<i>L</i>	Shuliel		Principa ————	ar Eigr.
		(repair org	anization)		(authorized represe	entative)	,	(title)
		CE	RTIFICATE OF INS	SPECTION	. *			
l, the undersigned, holding		-					•	etency issued by
the state or province of of MA have in	New Jersey repected the repair, r				utual Insu	19 ^C	7//	ite that to the
best of my knowledge and		· ·			•			
Pared rules as defined in the		•						
sed or implied, cond	erning the repair, mo	dification or replac	ement described in	this report. Fu	rthermore, neith	er the Inspe	ector nor his em	ployer shall be
in any manner for any	/ personal injury or p	roperty damage or	a loss of any kind a	rising from or o				3
Date 1-18 , 199	4 5	-61	1.1	0	.1000	Ory Mut リケル	ual Engr	Assn.
Date / (// 19 /	Signed	(Inspecto	or)		sions <u>ND 387</u> Natl.Bd.No.(includi	T <i>LIVIT</i> Na endorsem	nents) state or pro-	yince and number)
	···		· /				.c.no,state or più	·e and number)

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) IN NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

k performed by Public Service Electric & Gas Co. - Nuclear Dept. CTP_#S93-249 (name) (repair organization's P.O. no., job. no.,etc.) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 (address) 2. Owner Public Service Electric and Gas Co. (name) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 (address) 3. Name, address and identification of nuclear power plant Salem Nuclear Generating Station Unit #1 Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 4. System <u>Residual Heat Removal</u> Nuclear Class I 5. a: Component repaired, modified or replaced 14RH27 b: Name of manufacturer ____Anchor Darling Valve c: Identifying nos. None Available N/A N/A N/A 1968 (mfr's. serial no.) (Natl.Bd.No.) (jurisdictional no.) (other) (year built) d: Construction Code W E-Spec 676241 N/A N/A(addenda) (Code Case(s)) (Code Class) (edition) 6. Section XI _ 1983 Summer 83 N/A (edition) (addenda) (Code Case(s)) 7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1983 S83 (edition) (addenda) (Code Case(s)) 8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: *N/A N/A N/A *W E-Spec 676241 (edition) (addenda) (Code Case(s)) 9. Design responsibilities __PSE&G 10. Tests conducted: hydrostatic pneumatic 🗌 design pressure ☐ **pressure ___N/A psi Code Case(s)_ N/A 11 Description of work ____ Replace (16) studs in kind from folio. (use of additional sheet(s) or sketch(es) is acceptable if properly identified) 12. Remarks: Deficiency Report #: N/A Work Order #: 940326008 Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement. N/A **System Inservice Test Temp. NOP/NOT CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994 Principal Engr. PSE&G Co.-Nuclear Dept. Spulula Date 1 - 14 19, 94 . Signed (authorized representative) (title) (repair organization) CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and certificate of competency issued by the state or province of New Jersey and employed by Arkwright Mutual Insurance Co <u>[-]]</u> , 1949 have inspected the repair, modification or replacement described in this report on_ and state that to the best of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the ASME Code and the National d rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employer makes any warranty, sed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Factory Mutual Engr. Assn. Commissions No. 1894 INA NJ373 (Natl.Bd.No.(including endorsements) state or province and number)

FORM NR-1 REPORT OF REPAIR $\ \square$ MODIFICATION $\ \square$ OR INSTALLATION OF REPLACEMENT(S) $\ \square$ TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

brk performed by Public Service Electric & Gas Co	· Nuclear Dept. Cl	IP #S93 - 250
(name	-	nization's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancocks Bridge, NJ		
2. Owner Public Service Electric and Gas Co.		
Foot of Buttonwood Road, Hancocks Bridge, NJ	08038	
3. Name, address and identification of nuclear power plantSalem_Nuclear	ear Generating Station	Unit #1
Foot of Buttonwood Road, Hancocks Bridge, NJ	08038	
4. System Safety Injection		Nuclear Class I
5. a: Component repaired, modified or replaced 12SJ55 Valve		
b: Name of manufacturer <u>Anchor Darling</u> c: Identifying nos. 11542-10-61 N/A	NT / 3	1971
c: Identifying nos. <u>11542-10-61</u> <u>N/A</u> (jurisdictional r	,	(year built)
d: Construction Code W F-Spec G676241 N/A	N/A	T (year built)
ANSI B31.7 1969 Maltion1970 Add. (addenda)	(Code Case(s))	(Code Class)
6. Section XI 1983 Summer 8	, , , , , , , , , , , , , , , , , , , ,	N/A
(edition) (adder		(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modifications, or	replacements were made: 1983	. , , , , ,
	(edition	
8. Applicable edition of Construction Code under which repairs, modifications, or repla	cements were made: <u>*1969</u>	<u> 1970 N/A</u>
*ANSI B31.7/W	E-Spec G676241 (edition)	(addenda) (Code Case(s))
9. Design responsibilities PSE&G		
10. Tests conducted: hydrostatic pneumatic design pressure **	pressure <u>NOP</u> psi Code (Case(s) N/A
Description of work <u>Replaced valve bolting.</u>	Landy and the state of the stat	
(Use of additional sneet(s) or s	ketch(es) is acceptable if properly identif	led)
12. Remarks:Work_Order #: 931002074	Deficiency Report #	: N/A
Design Change Package #: N/A Rev		,
See attached pages for Description of Re	•	
**System Inservice Test Tem	p. NOT	
CERTIFICATE OF CON	PLIANCE	
We certify that the statements made in this report are correct and the repair, modification	•	ibed above conforms to Section XI
of the ASME Code and the National Board rules as defined in the publication NB-102, c		
Certificate of Authorization no. 36 to use the "NR" stamp expires C	CC. 3, 1994.	
Date /- /4 19,99 Signed PSE&G CoNuclear Dept.	Shelel	Principal Engr.
(repair organization)	(authorized representative	e) (title)
CERTIFICATE OF INS	PECTION	
, the undersigned, holding a valid commission issued by The National Board of Boiler a	ad Draggura Vaggal Ingractors, one	descriptions of competency issued by
	right Mutual Insuranc	• •
of MA have inspected the repair, modification or replacement described in	, ,,	19 79 and state that to the
pest of my knowledge and belief, this repair, modification or replacement has been mad		
rules as defined in the publication NB-102, current edition. By signing this certific		
sed or implied, concerning the repair, modification or replacement described in the		
in any manner for any personal injury or property damage or a loss of any kind ari	•	
1-16 01 0 (1)		Mutual Engr. Assn.
Date 1-18, 1994. Signed James E. Col	Commissions NB 5894 I	NH NJ3/5
(Inspector)	(Natl.Bd.No.(including end	orsements)state or province and number)
	· · · · · · · · · · · · · · · · · · ·	

FO.	RM NR-1 REI TO N						STALLATIO JCLEAR PO			• • •
	ed by <u>Publi</u>				(nar	ıme)			#S93-254 ion's P.O. no., job	o. no.,etc.)
Foot_c	of Buttonwo	xod Road,	_Hancoc	ks Brid		08038 fress)				
2. Owner pu	ublic Servi	ice Elect	ric and	l Gas Cr	o	ıme)				
Foot_c	of Buttonwo	od Road,	_Hancoc	ıks Brid	dge, NJ	•			· · · · · · · · · · · · · · · · · · ·	
3. Name, address					lem Nucl	Lear Gene	erating Si	tation_U	Init #1	
	of Buttonwo Reactor Coo		_Hancoc	ks bet	ige, w	_ 08U38				T
5 a Component	Reactor Coo It repaired, modifie	ed or replaced	1 Dweel.		Mantial	- 0000000	ח נישטניני	-74	Muclear Cl	lass I — —
h: Name of ma	n repaired, modifie anufacturer	Tracting	Pressu	rizer -	- Manway	COVET =	* IKCELU			
c. Identifying r	nos. <u>1011 </u>	Westman	10 use 68-7	,				_N/A	197	70
O. Iddiningg	(mfr's, serial		68=7 (Nat'l.Bd.No		(jurisdictiona	-7	(other	,	,	// (year built)
d: Construction	on CodeASME	•	•		=		N/A		_1	
	31.7 1969 E		-	(addenda)		· · ·	(Code Case	(s))	(Code C	Class)
6. Section XI		1983	Adu.		Summer	02		- -	•	N/A
0. 000ii.,,	(edition					denda)			(Code Case	
7. Applicable editi	•	•	under which	renairs. m	•	•	nte were made	1002	S83	N/A
								(edition)	(addenda)	(Code Case(s))
8. Applicable editi			r which repa	airs, modific	ations, or rep)lacements we		*See Atta (edition)	(addenda)	(Code Case(s))
Design respons										
10. Tests conducte	-	☐ pneuma		design pre			<u>NOP</u> psi	Code Case	e(s) <u>N/A</u>	
11. Description of v	workRepl	aced pre	ssurize	r manwa	ay cover	and bol	ting		·	
		-	((use of addition	onal sheet(s) o	or sketch(es) is a	acceptable if prop	perly identified)		
				·						
	Work Order						ciency Rep	port #: N	//A	
	Design Cha									
	See attach			scripti		-	nt		· · · · · ·	
	**System I	nservice	<u>Test</u>		Te	TON came				
We certify that the sof the ASME Code Certificate of Autho	and the National	l Board rules a	t are correct as as defined in	and the rep	pair, modificat ation NB-102,	•	ement of the ite	ems described	l above conform	ns to Section XI
Ochinodio 5,,,,,,,	HZQUON NO.					•	1 1 24	 ·		_
Date 1 - 1 4	_19 <u>, 9 </u>	gnedPSJ	E&G Co.			L	Mulile (authorized rep	in	Principa	al Engr.
 			(10hr	air organizatio	Jhj .		(authonized top	resentative)		(title)
				CERTIFIC	CATE OF IN	SPECTION				
I, the undersigned, the state or province of MA		Jersey_	and employ	oyed by	Ark	wright M	iutual Ins	surance C	`O	petency issued by ate that to the
best of my knowled Board rules as defir	dge and belief, this ined in the publica	is repair, modif ation NB-102, d	ification or re current edition	eplacement tion. By sigr	t has been ma ning this certi	ade in accorda tificate, neither	dance with Secti or the Inspector	tion XI of the A	ASME Code and eyer makes any	d the National warranty,
· ·	ed, concerning the er for any persona	-		•		•		-		nployer shall be
Date_ 1-24	, 19 <u>94</u> . Si	gned (me,/ {	_ Coal	<u></u>		issions <i>NB</i> 58	194 INA	pal Engr.	3
		1	(Ins	pector)			(Natl.Bd.No.(inc	luding endorsen	nents)state or pro	ovince and number)

Code Job Package No.: <u>S93-254</u>

	Public Service Electric & Gas Co., Nuclear Dept. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Public Service Electric & Gas Co. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Salem Nuclear Generating Station Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 olant Nuclear Class: 1
	d:
Serial No. Nat'l. Bd. Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement: Present Name of Manufacturer: Name of Manufacturer: NAME NAME NAME NAME NAME NAME NAME NAME	ssurizer Manway Cover Westinghouse N/A 1987 No Jurist No. Other Year Built ASME Code Stamp'd.? ASME III 1983 Edition S83 Addenda, Code Class 1 O Add.
ID of Component Replaced of Manufacturer:	d:
Original Const. Code: _	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
TD of Devilorment.	
	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
·	d:
Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
lacement Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class

FORM NR-1 REPORT OF REPAIR TO NUCLEAR COMPO	R ☐ MODIFICATION ☐ OR NENTS AND SYSTEMS IN		
ork performed by Public Service Elec	tric & Gas Co Nucl	ear Dept. CJP #	\$93-260 tion's P.O. no., job. no.,etc.)
- Foot of Buttonwood Road, Hanco	cks Bridge, NJ 08038	, , ,	
2. Owner Dublic Service Flectric an	(address)		
2. Owner — Public Service Electric an	name)		
Foot of Buttonwood Road, Hanco	cks Bridge, NJ 08038 (address)		
3. Name, address and identification of nuclear power plan	ntSalem Nuclear Ge	nerating Station I	Jnit #1
- Foot of Buttonwood Road, Hanco	cks Bridge, NJ 08038		·
4. System Reactor Coolant			Nuclear Class II
5. a: Component repaired, modified or replaced press			
b: Name of manufacturer <u>Westinghouse</u>	20 11/3		1969
c: Identifying nos. <u>I_10662</u> 614 (Mfr's. serial no.) (Nat'l.Bd.	20 No.) (jurisdictional no.)	N/A(other)	year built)
d: Construction Code ASME III 1968		N/A	(C) 2
ANSI B31.7 1969 Ededitiq 970 Add.	(addenda)	(Code Case(s))	(Code Class)
6. Section XI	Summer 83	 	N/A
(edition)	(addenda)		(Code Case(s))
7. Applicable edition of ASME Code Section XI under whi		(edition)	S83 N/A (Code Case(s
8. Applicable edition of Construction Code under which re *ASME III 9. Design responsibilities PSESG	pairs, modifications, or replacement /ANSI B31.7 1969 Ed.		(addenda) (Code Case(s
10. Tests conducted: hydrostatic pneumatic	design pressure ☐★★ pressu	re MOD osi Code Cas	e(s) N/A
11. Description of work <u>Replace pressurize</u>			
- Reprace pressurrac	(use of additional sheet(s) or sketch(e	s) is acceptable if properly identified)	up-y-current
material.		-	
			
2. Remarks: <u>Work Order #: 930107096</u>		iciency Report #: N	I /A
Design Change Package #:			
See attached pages for D		-	
**System Inservice Test	Temp. NO	YI'	
Ve certify that the statements made in this report are corre	CERTIFICATE OF COMPLIAN		d above conforms to Section X
of the ASME Code and the National Board rules as defined Dertificate of Authorization no36 to use the	in the publication NB-102, current ne "NR" stamp expires Oct. 3		
			Deinginal Engr
3410_1 17 19,_7_7 Olgilou	Nuclear Dept.	Shalul	Principal Engr.
(re	epair organization)	(authorized representative)	(title)
	CERTIFICATE OF INSPECT	ON	
, the undersigned, holding a valid commission issued by Th			
	ployed byArkwright		au
have inspected the repair, modification	-		and state that to the
pest of my knowledge and belief, this repair, modification or	-		
Board rules as defined in the publication NB-102, current ed sed or implied, concerning the repair, modification or			
any manner for any personal injury or property dam	•		

Factory Mutual Engr,

(Natl.Bd.No.(including endorsements) state or province and number)

CommissionsNBS894

ork performed by	Public Service Elec	tric & Gas Co.	- Nuclear Dep	ot. CJP	#S93-262	
Foot of But	tonwood Road, Hanco	(nam		(repair organizat	ion's P.O. no., job	. no.,etc.)
TOOL OI BUC	conwood Road, named	(addre				
2. Owner Public	Service Electric an	•	•			
		(nam	e)			
Foot of But	tonwood Road, Hanco	cks Bridge, NJ	08038			
		(addre				
	ification of nuclear power plant _ tonwood Road, Hanco		lear Generatin 08038	g Station	Unit #1	
	r Coolant	OND DEPUGO, ID	00000		Nuclear	Class I
	modified or replaced #14 S	team Generator				
	Westinghouse					
		<u>51 </u>	N/A	N/A	1	971
(mfr's	s. serial no.) (Nat'l.Bd.No.) (jurisdictional	no.) (c	other)	e	year built)
d: Construction Code	ASME Sec.III 1965	S/1966	N	/A	I	
	(edition)	•	(Code C	ase(s))	(Code (Class)
6. Section XI	1983					N/A
	(edition)	(adde	•	1000	(Code Case	` ''
7. Applicable edition of ASM	E Code Section XI under which	repairs, modifications, o	replacements were ma			N/A
O Applicable addice of Con-		difications or roa		(edition)	(addenda) S66	(Code Case(s)) N/A
8. Applicable edition of Cons	struction Code under which repai	rs, modifications, or repl *ASME Sec. I		(edition)	(addenda)	(Code Case(s))
9. Design responsibilities	PSE&G	PADITI DCC. 1	L.L	(Carabit)	(ddderidd)	(0000 0000(0))
Tests conducted: hydrosta		design pressure	**************************************	osi Code Case	e(s) N/A	
-	Replace (1) bolt i					
	•	use of additional sheet(s) or				
Primary Manwa	ay Cold Leg.		•		·	
2. Remarks: Work	Order #: 931105033	 ;	Deficiency	Poport #.	NI / N	<u>-</u>
	n Change Package #:			Neporu #•	•	
	ttached pages for D					
	tem Inservice Test		1952400110101			
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			······	
	,	CERTIFICATE OF CO	MPLIANCE			
Ve certify that the statements	made in this report are correct a	and the repair, modificati	on or replacement of th	e items described	d above conform	ns to Section XI
f the ASME Code and the Na	ational Board rules as defined in	•	current edition.			
Certificate of Authorization no.	36 to use the '	'NR" stamp expires	Oct. 3, 19 9	4		
Date 1-14 19, 94	PSE&G Co	Nuclear Dept	· III.	t. In	Princip	pal Engr.
7 13, 7		ir organization)	(authorize	d representative)		(title)
 		OFFICIOATE OF IN	PECTION			
		CERTIFICATE OF INS	SPECTION			
the undersigned holding a v	valid commission issued by The I	National Board of Boiler	and Pressure Vessel In	spectors, and cei	rtificate of comp	etency issued by
	New Jersey and employ					,
	ected the repair, modification or			<i>/~ //</i> , 19		ate that to the
	ief, this repair, modification or re	•				
• -	publication NB-102, current edition					
	ing the repair, modification or re		· ·		=	
in any manner for any pe	ersonal injury or property damag	e or a loss of any kind a	rising from or connecte			
1 0.1	0 /	/ 1		Factory M	itual Engi	. Assn.
late 1-28 , 19/4	Signed James E.	lore	Commissions_ <i>N</i>	135844 IN	A NJ37	<u> </u>
	(Insp	pector)	(Natl.Bd.No	o.(including endorse	ments)state or pro	ovince and number)

rk performed by Public Service Electri	lc & Gas Co Nucle	ear Dept. CJP	#S93 - 266
Foot of Buttonwood Road, Hancocks	(name) Bridge, NJ 08038	(repair organizati	on's P.O. no., job. no.,etc.)
	(address)		
2. Owner Public Service Electric and C	(name)		
Foot of Buttonwood Road, Hancocks	• •		
Name, address and identification of nuclear power plant Foot of Buttonwood Road, Hancocks	(address) Salem Nuclear Ger Bridge, NJ 08038	merating Station	Unit #1
4. System Reactor Coolant	Briage, No 08038		Nuclear Class II
5. a: Component repaired, modified or replaced 1WR81 -	Valve		
b: Name of manufacturer Aloyco			
c: Identifying nos. 70/A627-3 N/A	N/A	N/A	1970
(mfr's, serial no.) (Nat'l.Bd.No.)	(jurisdictional no.)	(other)	(year built)
d: Construction Code <u>W E-Spec G-676241</u> ANSI B31.7 1969 Edition)1970 Add. (add	Rev. 1	N/A (Code Case(s))	(Code Class)
6. Section XI 1983	Summer 83		N/A
(edition)	(addenda)		(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repa	irs, modifications, or replacemen	ts were made: 1983	
		(edition)	(addenda) (Code Case(s))
8. Applicable edition of Construction Code under which repairs, n	nodifications, or replacements we 7/W E-Spec G-67624		1970 N/A
9. Design responsibilities PSE&G	/ <u>w</u> E-Spec G-6/624	Rev. 1 (edition)	(addenda) (Code Case(s))
	gn pressure ** ressure	NOP psi Code Case	e(s) N/A
11. Description of work Replace valve disc.	911 processio	poi	
	f additional sheet(s) or sketch(es) is a	acceptable if properly identified)	
·			
Work Order # 021115105		ni an ma Dan anda Ha	37./3
12. Remarks: Work Order #: 931115185 Design Change Package #: N/		clency Report #:	N/A
See attached pages for Desc		ent. N/A	
**System Inservice Test	Temp. NOT		
			· · · · · · · · · · · · · · · · · · ·
CER	TIFICATE OF COMPLIANCE		
We certify that the statements made in this report are correct and t			above conforms to Section XI
of the ASME Code and the National Board rules as defined in the partificate of Authorization no.			
to doc the 1411	stamp expires Oct. 3,		
PSE&G CoN Date /-/4 19,94 Signed	uclear Dept.	I ha lister	Principal Engr.
(repair org	anization)	(authorized representative)	(title)
CEF	RTIFICATE OF INSPECTION		
, the undersigned, holding a valid commission issued by The Natio			
he state or province of <u>New Jersey</u> and employed by		Mutual Insurance	
of MA have inspected the repair, modification or repla			
pest of my knowledge and belief, this repair, modification or replace Board rules as defined in the publication NB-102, current edition. E			
sed or implied, concerning the repair, modification or replace			
any manner for any personal injury or property damage or		·	
	_	Factory Mu	tual Engr. Assn.
Date 1-21 , 1994 . Signed James E.	Commi	ssions <u>NBS894 IN A</u>	NJ 313
/ (Inspector	·)	(Natl.Bd.No.(including endorsen	nents)state or province and number)

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) | TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS ork performed by <u>Public Service Electric & Gas Co. - Nuclear Dept</u> CTP #S93-270 (name) (repair organization's P.O. no., job. no.,etc.) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 2. Owner Public Service Electric and Gas Co. (name) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 3. Name, address and identification of nuclear power plant _____Salem_Nuclear Generating Station Unit #1 Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 System Main Steam Nuclear Class II 5. a: Component repaired, modified or replaced 12MS15 Valve b: Name of manufacturer ____Crosby c: Identifying nos. <u>N55100-03-0045</u> 1989 -N/AN/A (Nat l.Bd.No.) (jurisdictional no.) (mfr's, serial no.) (vear built) d: Construction Code ASME III 1968 1440 W 1977 (Code Class) (Code Case(s)) ANSI B31.7 1969 Edition 970 Add. (addenda) Section XI _ 1983 Summer 83 N/A(edition) (Code Case(s)) (addenda) 7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1983 S83. (edition) (addenda) (Code Case(s)) 8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: __*1968 1440 (Code Case(s)) *ASME III/ANSI B31.7 1969 Ed. 1970 Add. (edition) (addenda) 9. Design responsibilities PSESG 10. Tests conducted: hydrostatic pneumatic design pressure Code Case(s) N/A □★★ pressure ___NOP __ psi 11. Description of work Replaced valve with spare valve from stores. (use of additional sheet(s) or sketch(es) is acceptable if properly identified) 12. Remarks: _ Deficiency Report #: N/A Work Order #: 931116130 Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement. **System Inservice Test Temp, NOT CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994 PSE&G Co.-Nuclear Dept. Principal Engr. Date 1-14 19.44 . Signed (repair organization) (authorized representative) (title) CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and certificate of competency issued by the state or province of New Jersey and employed by Arkwright Mutual Insurance Co have inspected the repair, modification or replacement described in this report on___ best of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employer makes any warranty, ed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be

any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Factory Mutual Engr. Assn.

(Natl.Bd.No.(including endorsements) state or province and number)

FORM NR-1 REPORT OF REPAIR MODIFICATION OR INSTALLATION OF REPLACEMENT(S) TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Public Service Electric & Gas Co. - Nuclear Dept. CTP #S93-276 (repair organization's P.O. no., job. no.,etc.) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Public Service Electric and Gas Co. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 3. Name, address and identification of nuclear power plant Salem Nuclear Generating Station Unit #1 Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Nuclear Class II Control Air 5. a: Component repaired, modified or replaced __11CA360 b: Name of manufacturer ____ Rockwell International c: Identifying nos. Not Available 1987 (other) (year built) (mfr's. serial no.) (Natl.Bd.No.) (iurisdictional no.) d: Construction Code __ASME_Sec__ 1979 N/A III 1977 (Code Class) (edition) (addenda) (Code Case(s)) 6. Section XI Summer 83 (Code Case(s)) (edition) (addenda) 7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1983 (addenda) (Code Case(s)) 8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: *1977 W79 N/A(edition) (addenda) (Code Case(s)) *ASME Sec. III 9. Design responsibilities __PSE&G Code Case(s) N/A 10. Tests conducted: hydrostatic pneumatic [design pressure □ ** pressure ___N/A_ psi Description of work ___ Replace (4) cap screws and valve disc in kind from folio. (use of additional sheet(s) or sketch(es) is acceptable if properly identified) 12. Remarks: _ Work Order #: 931004200 -Deficiency Report #: N/A Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement. **System Inservice Test Temp. NOP/NOT CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3. PSE&G Co.-Nuclear Dept. Principal Engr. Date / 2 - 8 19. 93 Signed (authorized representative) (title) (repair organization) **CERTIFICATE OF INSPECTION** 1, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and certificate of competency issued by New Jersey and employed by Arkwright Mutual Insurance Co the state or province of ____ have inspected the repair, modification or replacement described in this report on____ best of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the ASME Code and the National d rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employer makes any warranty, sed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 12-17, 1993 Signed Lames E. Commissions/BJ844 INA NOT

Factory Mutual Engr. Assn.

(Natl.Bd.No.(including endorsements) state or province and number)

ork performed by <u>Public Service Electric & Gas Co Nuclea</u>	r Dept. CJP	#S93-277
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	(repair organiz	ation's P.O. no., job. no.,etc.)
(address)		
2. Owner Public Service Electric and Gas Co. (name)		
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038		
(address)		
3. Name, address and identification of nuclear power plant Salem Nuclear Gene Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	rating Station	Unit #1
4. System Chemical & Volume Control (CVC)		Nuclear Class II
5. a: Component repaired, modified or replaced 1CVE17 #1 Let Down Heat Exch	anger	11401041 01401 11
b: Name of manufacturer <u>Atlas</u>		
c: Identifying nos. 843 694 N/A	N/A	1967
(mfr's. serial no.) (Nat'l.Bd.No.) (jurisdictional no.)	(other)	(year built)
d: Construction Code ASME Sect. VIII 1967	N/A	II
ANSI B31.7 1969 Eduitod)970 Add. (addenda)	(Code Case(s))	(Code Class)
6. Section XI 1983 Summer 83		N/A
(edition) (addenda)	1002	(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacement	is were made:	S83 N/A (Code Case(s))
8. Applicable edition of Construction Code under which repairs, modifications, or replacements we	. , ,	N/A N/A
*ASME Sec. VIII/ANSI B31.7 1969 Ed. 197		(addenda) (Code Case(s))
9. Design responsibilities PSE&G		
10. Tests conducted: hydrostatic pneumatic design pressure ** pressure	NOP psi Code Ca	se(s) N/A
11. Description of work Replaced bolting.		·
(use of additional sheet(s) or sketch(es) is a	cceptable if properly identified)
		
12. Remarks: Work Order #: 930924134 Defic	iency Report #:	N/A
Design Change Package #: N/A Rev. N/A		
See attached pages for Description of Replaceme	nt. N/A	
**System Inservice Test Temp. NOT	· · · · · · · · · · · · · · · · · · ·	
CERTIFICATE OF COMPLIANCE		
CENTIFICATE OF COMPLIANCE		
We certify that the statements made in this report are correct and the repair, modification or replace	ment of the items describe	ed above conforms to Section XI
of the ASME Code and the National Board rules as defined in the publication NB-102, current edition		a above como mo to obcaciny.
Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3,		
PSESC Co -Nuclear Dent	1 //	Principal Engr.
Date 7 - 7	Shulutu	
(repair organization)	(authorized representative)	(title)
CERTIFICATE OF INSPECTION		!
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure	Vaccal Inspectors, and a	putificate of competency issued by
the state or province of New Jersey and employed by Arkwright M		
of MA have inspected the repair, modification or replacement described in this report of		and state that to the
best of my knowledge and belief, this repair, modification or replacement has been made in accorda	···································	 _
Board rules as defined in the publication NB-102, current edition. By signing this certificate, neither	the Inspector nor his emp	loyer makes any warranty,
sed or implied, concerning the repair, modification or replacement described in this report. Fi	urthermore, neither the Ins	spector nor his employer shall be
h any manner for any personal injury or property damage or a loss of any kind arising from or		
-1-21 -94 - O - C - 1		utual Engr. Assn.
	ssions <u>NBS894 INA</u>	
, (inspector)	(IVall.DU.IVO.(IIICIUGING endors	ements)state or province and number)

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) | TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

ork performed by	- Public Servi	ce Electric 8		ıclear Dept.			
Foot_of_Bu	uttonwood Road	, Hancocks Br	(name) cidge, NT 080 (address))38	(repair organiza	ation's P.O. no., job	o. no.,etc.)
2. OwnerPublic	: Service Elec	tric and Gas	Co.				
Foot of Bu	uttonwood Road	, Hancocks Br	(name) ridge, NJ 080)38	 		
3. Name, address and i			(address)		Station 1	Unit #1	
Foot of Bu	ittonwood Road	, Hancocks Br	cidge, NJ 080)38			ass II
SystemReact a: Component repair	red, modified or replace	ed 1RCE35_E]	100 Personnel				
b: Name of manufac	cturer <u>Chicago</u>	Budge and Ir	on				
c: Identifying nos	2668	N/A	N/A		_N/A	<u> </u>	70
	(mfr's. serial no.)	(Nat'l.Bd.No.)	(jurisdictional no.)	(oth	er) ´	(year built)
d: Construction Code	e ASME III 196 (edition)	65 — W6 (adde		N/A (Code Cas		(B)	
6. Section XI	<u> </u>		Summer 83				N/A
	(edition)		(addenda)			(Code Cas	e(s))
7. Applicable edition of	ASME Code Section X	l under which repairs	, modifications, or repl	acements were mad	e: <u>1983</u> (edition)		,
8. Applicable edition of	Construction Code und		difications, or replacen Æ III	nents were made: _			(B) 2 (Code Case(s))
9. Design responsibilitie	es DCFCC	^ADI!	1E 111		((,	(
10. Tests conducted: hyd		natic design	pressure □** pre	ssureN/A psi	Code Cas	se(s) N/A	
11. Description of work				,		,	
	TIESCHIL IIVW		dditional sheet(s) or sketo				
							
12. Remarks: Work	7 Order # 030	122060	Г	oficionar Pa	mort #.	23-475	
	ign Change Pacl						
	attached pages						
	assed Leak Rate			•			
<u> </u>			_				
		CERTI	FICATE OF COMPL	IANCE			
We certify that the statem					items describe	d above conforn	ns to Section XI
of the ASME Code and the							
Certificate of Authorizatio	on no36	to use the "NR" st	amp expires <u>Oct</u>	3,, 1994			
Date / 2 2 19,	연구. Signed P	SE&G CoNucl	ear Dept.	Shal	ili	Principa	ıl Engr.
	<u>.</u>	(repair organi	zation)	(authorized r	epresentative)		(title)
		CERT	IFICATE OF INSPEC	CTION			
l, the undersigned, holdin	ng a valid commission is	ssued by The Nationa	al Board of Boiler and I	Pressure Vessel Insi	pectors, and ce	ertificate of comp	netency issued by
he state or province of _							
	inspected the repair, n					C 2	ate that to the
pest of my knowledge an						ASME Code and	d the National
Board rules as defined in	the publication NB-102	, current edition. By	signing this certificate	, neither the Inspecto	or nor his empl	oyer makes any	warranty,
sed or implied, cor	ncerning the repair, mod	dification or replacem	ent described in this re	eport. Furthermore,	neither the Ins	pector nor his er	mployer shall be
n any manner for a	any personal injury or pr	roperty damage or a l	oss of any kind arising		•		
Date 12-72 , 19	$\frac{73}{2}$. Signed \mathcal{L}_{a}	mer E. Con		Fa Commissions <u>/VB/</u>	ctory Mu 894 IN/	tual Engr. 1 <i>NJ373</i>	Assn.
	7	(Inspector)		(Natl.Bd.No.(i	ncluding endorse	ements)state or pro	ovince and number)

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) | TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS | Page 1 of 1

	Dept. CJP	_#S93-279
(name)		ion's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038		
(address) 2. Owner Public Service Electric and Gas Co.		
(name)		
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038		
(address)	time Ctation	rmit #1
3. Name, address and identification of nuclear power plant Salem Nuclear Genera Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	ting Station	Unit #1
4. System Service Water		Nuclear Class II
5. a: Component repaired, modified or replaced Butterfly Valve 15SW72		
b: Name of manufacturer <u>Masoneilan International Inc.</u>		
c: Identifying nos. N-00113-39-5 N/A N/A	N/A	<u>1977</u>
(mfr's. serial no.) (Nat'l.Bd.No.) (jurisdictional no.) d: Construction Code ASME Draft P&V 1968 M/70	(other)	(year built) TT
,	ode Case(s))	(Code Class)
6. Section XI 1983 Summer 83	ode Odse(s))	N/A
(edition) (addenda)		(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements we	re made: <u>1983</u>	
	(edition)	(addenda) (Code Case(s
8. Applicable edition of Construction Code under which repairs, modifications, or replacements were ma	ade: <u>*1968</u>	<u>M/70 N/A</u>
*ASME Draft P&V	(edition)	(addenda) (Code Case(s
9. Design responsibilities PSE&G	/3	-/ > 37 /3
10. Tests conducted: hydrostatic pneumatic design pressure *pressure N, 11. Description of work The valve was replaced in kind (S/N N-00203-		
(use of additional sheet(s) or sketch(es) is accepta		
12. Remarks: Work Order #: 9310202208 Deficien	ncy Report #:	N/A
Design Change Package #: N/A Rev. N/A		N/A
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement	. N/A	N/A
Design Change Package #: N/A Rev. N/A	. N/A	N/A
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement	. N/A	N/A
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOFINC	. N/A	N/A
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOF INC CERTIFICATE OF COMPLIANCE	N/A	
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOFINC CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition.	N/A	
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOF INC CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition.	• N/A of the items described	
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOFINC CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1	• N/A of the items described	
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOFINC CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1 Date 3 - / 19,9 4. Signed PSE&G Co.—Nuclear Dept.	of the items described	l above conforms to Section X Principal Engr.
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOFINC CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1 Date 3-/ 19,94 Signed PSE&G Co.—Nuclear Dept.	• N/A of the items described	above conforms to Section X
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOFINC CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1 Date 3 - / 19,9 4. Signed PSE&G Co.—Nuclear Dept.	of the items described	l above conforms to Section X Principal Engr.
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Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOFINC CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1 Date 3-/ 19,94. Signed PSE&G Co.—Nuclear Dept. (repair organization) (authorization)	of the items described 9 94 Increase representative)	Principal Engr. (title)
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOFINC CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1 Date 3 / 19,9 4. Signed PSE&G Co.—Nuclear Dept. (repair organization) (authorization) CERTIFICATE OF INSPECTION It, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vest the state or province of New Jersey and employed by Arkwright Muta	of the items described 9 94 Increase representative)	Principal Engr. (title)
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOF INC CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1 Date 3 - / 19,9 4. Signed PSE&G CoNuclear Dept. (repair organization) (authorization) CERTIFICATE OF INSPECTION It, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vest the state or province of New Jersey and employed by Arkwright Mutuof MA have inspected the repair, modification or replacement described in this report on	of the items described 9 94 which items des	Principal Engr. (title) tificate of competency issued Co
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOF INC CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1 Date 3 - / 19,9 4. Signed PSE&G Co.—Nuclear Dept. (repair organization) (authorization) CERTIFICATE OF INSPECTION It, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vest the state or province of New Jersey and employed by Arkwright Mutuof MA have inspected the repair, modification or replacement described in this report on best of my knowledge and belief, this repair, modification or replacement has been made in accordance of the state of the state of my knowledge and belief, this repair, modification or replacement has been made in accordance of the state of the state of my knowledge and belief, this repair, modification or replacement has been made in accordance of the state of the state of the state of the state of my knowledge and belief, this repair, modification or replacement has been made in accordance of the state of	of the items described 9 94	Principal Engr. (title) tificate of competency issued Co and state that to the ASME Code and the National
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOF NC CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1 Date 3 / 19, 9 9. Signed PSE&G CoNuclear Dept. (repair organization) CERTIFICATE OF INSPECTION It the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vest the state or province of New Jersey and employed by Arkwright Mutuof MA have inspected the repair, modification or replacement described in this report on best of my knowledge and belief, this repair, modification or replacement has been made in accordance of Board rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Jersey and rules as defined in the publication NB-102, current edition.	of the items described 9 94 Lucture orized representative) sel Inspectors, and certail Insurance with Section XI of the Anspector nor his emplo	Principal Engr. (title) tificate of competency issued Co and state that to the ASME Code and the National yer makes any warranty,
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOF INC CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1 Date 3 - / 19,9 4. Signed PSE&G Co.—Nuclear Dept. (repair organization) (authorization) CERTIFICATE OF INSPECTION It, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vest the state or province of New Jersey and employed by Arkwright Mutuof MA have inspected the repair, modification or replacement described in this report on best of my knowledge and belief, this repair, modification or replacement has been made in accordance of the state of the state of my knowledge and belief, this repair, modification or replacement has been made in accordance of the state of the state of my knowledge and belief, this repair, modification or replacement has been made in accordance of the state of the state of the state of the state of my knowledge and belief, this repair, modification or replacement has been made in accordance of the state of	of the items described 9 94 Lucus Provinced representative) sel Inspectors, and certal Insurance with Section XI of the Amspector nor his employmore, neither the Inspector.	Principal Engr. (title) tificate of competency issued Co and state that to the ASME Code and the National yer makes any warranty, ector nor his employer shall b
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOTING CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1 PSE&G Co.—Nuclear Dept. (repair organization) CERTIFICATE OF INSPECTION It, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vest the state or province of New Jersey and employed by Arkwright Mutton Ma have inspected the repair, modification or replacement described in this report on best of my knowledge and belief, this repair, modification or replacement has been made in accordance of the publication of the publication NB-102, current edition. By signing this certificate, neither the Insert of the publication of the publi	of the items described 9 94 with Section XI of the Anspector nor his employmence, neither the Inspected with this inspect	Principal Engr. (title) tificate of competency issued Co and state that to the ASME Code and the National yer makes any warranty, ector nor his employer shall b
Design Change Package #: N/A Rev. N/A See attached pages for Description of Replacement **System Inservice Test Temp. NOF INC. CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, . 1 Date 3-/ 19,99. Signed PSE&G CoNuclear Dept. (repair organization) CERTIFICATE OF INSPECTION It, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vest the state or province of New Jersey and employed by Arkwright Mutton MA have inspected the repair, modification or replacement described in this report on best of my knowledge and belief, this repair, modification or replacement has been made in accordance of the publication of the publication NB-102, current edition. By signing this certificate, neither the lines and the publication of the publication of replacement described in this report. Further in any manner for any personal injury or property damage or a loss of any kind arising from or control of the publication of t	of the items described 9 94 will be a seril be a seri	Principal Engr. (title) tificate of competency issued Co and state that to the ASME Code and the National yer makes any warranty, ector nor his employer shall bion.

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) NO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

Work performed byPublic Service Electric & Gas	: Co Nucle	ar Dept. CJP:	[‡] S93−287
	(name)		ion's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancocks Bridge	NT 08038		
	(address)		
2. Owner <u>Public Service Electric and Gas Co.</u>			
	(name)		
Foot of Buttonwood Road, Hancocks Bridge			
Name, address and identification of nuclear power plantSalem	(address)	ometing Station I	Toi+ #1
Foot of Buttonwood Road, Hancocks Bridge		eracing station ()IIIC #1
4. System Reactor Coolant	4 NO 00030		Muclear Class I
5. a: Component repaired, modified or replaced <u>1C-PR-SN010 Snu</u>	hher		
b: Name of manufacturerPacific Scientific			
c: Identifying nos. 25784 N/A	N/A	N/A	1976
	risdictional no.)	(other)	(year built)
d: Construction Code ASME TTT NF 1974 W76	· <u> </u>	1644-1,1644-	51
ANSI B31.7 1969 Edditio 1970 Add. (addenda)		(Code Case(s))	(Code Class)
6. Section XI	mmer 83		N/A
(edition)	(addenda)		(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modified	cations, or replaceme	ents were made: <u>1983</u>	•
		(edition)	(addenda) (Code Case(s))
8. Applicable edition of Construction Code under which repairs, modification			<u>S70</u> 1644-4
*ASME III/ANSI B31.7	1969 Ed. 19	70 Add. (edition)	(addenda) (Code Case(s))
9. Design responsibilities PSE&G		17 /3 · · · · · · · · · · · · · · · · · ·	NT /3
10. Tests conducted: hydrostatic pneumatic design pressur			
11. Description of work <u>Replaced snubber serial # 25</u>		s acceptable if properly identified)	D#•
(use of additional)	silect(s) or sketcif(es) is	a acceptable if properly identified)	
*			
12. Remarks: Work Order #: 931102041	Defi	ciency Report #: 9	SMD 93-311
Design Change Package #: N/A			
See attached pages for Description		ent. N/A	
**VT3 Pre-Service	Temp. N/A		
CERTIFICATE	OF COMPLIANCE	E	
We certify that the statements made in this report are correct and the repair,	modification or repla	cement of the items described	d above conforms to Section XI
of the ASME Code and the National Board rules as defined in the publication	NB-102, current edi	tion.	
Certificate of Authorization no. 36 to use the "NR" stamp exp	oires <u>Oct. 3,</u>	, 19 <u>94</u>	
PSE&G CoNuclear	Dept.	111 -	Principal Engr.
Date / 2~6 19, §3. Signed (repair organization)		(authorized representative)	(title)
(repair organization)		(authorized representative)	(ano)
CERTIFICAT	E OF INSPECTION	1	
l, the undersigned, holding a valid commission issued by The National Board			
the state or province of <u>New Jersey</u> and employed by		<u>Mutual Insurance (</u>	-1.00
of <u>MA</u> have inspected the repair, modification or replacement d	<u>-</u>		
pest of my knowledge and belief, this repair, modification or replacement has			
Board rules as defined in the publication NB-102, current edition. By signing			•
ssed or implied, concerning the repair, modification or replacement des			
h any manner for any personal injury or property damage or a loss of a	any kind arising from		
Date 12.8 10.573 Stand () 1 1 1 5 1 1 1	_ ^-	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	cual Engr. Assn. ער 1777 ניי
Date 12-8, 19-53. Signed James Z. Carl	Comr	nissions NIJ894 ZNH	/
		(Nati Bd No (including andorse	ments)state or province and number)

FORM NR-1 REPORT OF REPAIR | MODIFICATION | OR INSTALLATION OF REPLACEMENT(S) | TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 2 ork performed by Public Service Electric & Gas Co. - Nuclear Dept. CJP #PS92-040 (name) (repair organization's P.O. no., job. no.,etc.) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Public Service Electric and Gas Co. (name) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 3. Name, address and identification of nuclear power plant Salem Nuclear Generating Station Unit #1 Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 4. System ___Chemical Volume Control Nuclear Class I 5. a: Component repaired, modified or replaced 1C-CVCS-276 b: Name of manufacturer _____PSE&G_ N/A c: Identifying nos. N/A (Natl.Bd.No.) (mfr's, serial no.) d: Construction Code Spec. 69-6445, Rev. 9 N/A N/A (edition) (addenda) (Code Case(s)) (Code Class) 1983 N/A 6. Section XI _ Summer 83 (Code Case(s)) 7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1983 **S83** (Code Case(s)) (addenda) (edition) 8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: N/A (edition) (Code Case(s)) *S-C-MBOO-MDS-043 Rev. 0 (addenda) 9. Design responsibilities PSE&G pneumatic 10. Tests conducted: hydrostatic design pressure ** pressure N/A psi Code Case(s) N/A 11. Description of work Modification of existing support. (use of additional sheet(s) or sketch(es) is acceptable if properly identified) Deficiency Report #: N/A 12. Remarks: Work Order #: 920805116 Design Change Package #: 1EC-3167 Rev. 1 See attached pages for Description of Replacement. Temp. N/A **N/A **CERTIFICATE OF COMPLIANCE** We certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994 Principal Engr. PSE&G Co.-Nuclear Dept. Date / 2 - 7 19, 93. Signed (repair organization) (authorized representative) (title) **CERTIFICATE OF INSPECTION** I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and certificate of competency issued by the state or province of <u>New Jersey</u> and employed by <u>Arkwright Mutual Insurance</u> Co have inspected the repair, modification or replacement described in this report on____ 11-18 , 19 93 best of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employer makes any warranty. sed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be n any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions VB 5894 TVA VJ 373
(Inspector) (Natl. Bd. No. (including endorsements) state or prov

Factory Mutual Engr. Assn.

(Natl.Bd.No.(including endorsements)state or province and number)

Foot of Buttonwood Road, Hancocks Bridge, NJ 08038

Work performed by: Public Service Electric & Gas Co., Nuclear Dept.

Code Job Package No.: PS92040

Public Service Electric & Gas Co. Owner: Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Salem Nuclear Generating Station Location: Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 System: Chemical Volume Control Nuclear Class: I of Component Replaced: 1C-CVCH-326 Name of Manufacturer: PSE&G

N/A N/A N/A 1976 N/A

Serial No. Nat'l. Bd. Jurist No. Other Year Built ASME Code Stamp'd.? Name of Manufacturer: PSE&G_____ Original Const. Code: Spec.69-6445 Rev.9Edition N/A Addenda, Code Class I Code Cases: N/A ID of Replacement: <u>1C-CVCH-326</u> Name of Manufacturer: PSE&G

N/A N/A N/A N/A 1993 N/A

Serial No. Nat'l. Bd. Jurist No. Other Year Built ASME Code Stamp'd.? Replacement Const. Code: S-C-MBOO-MDS-043 Edition N/A Addenda, Code Class I Code Cases: N/A Rev. 0 D of Component Replaced: https://documerto.com/linearings/linearings/colorable-replaced: https://documer.com/linearings/colorable-replaced: https://documer.com/linearings/colorable-replaced: 1A-CVCG-902
e of Manufacturer: https://documer.com/linearings/colorable-replaced: 1A-CVCG-902
e of Manufacturer: https://documer.com/linearings/colorable-replaced: 1A-CVCG-902
e of Manufacturer: https://documer.com/linearings/colorable-replaced: 1A-CVCG-902
erial No. Nat'l. Bd. Jurist No. Other Year Built ASME Code Stamp'd.? Original Const. Code: Spec.69-6445 Rev.9Edition N/A Addenda, Code Class II Code Cases: N/A ID of Replacement: IA-CVCG-902
Name of Manufacturer: PSE&G
N/A N/A N/A N/A 1993 N/A

Serial No. Nat'l. Bd. Jurist No. Other Year Built ASME @@@ Scarpud.?
Replacement Const. Code: S-C-MBOO-MDS-043 Edition N/A Addenda @@@@ Class II
Code Cases: N/A
Rev. 0 Code Cases: ID of Replacement: Name of Manufacturer:

ial No. Nat'l. Bd. Jurist No. Other Year Built Addition
Placement Const. Code:

Code Cases:

FORM NR-1 REPORT OF REPAI TO NUCLEAR COMP					
		-,··· · · ·			<u> </u>
ork performed by <u>Public Service Ele</u>	ctric & Gas Co.	- Nuclear Dent.	CIP :	#PS92-041	,
· — Tables Belling		ame)		tion's P.O. no., job.	no.,etc.)
Foot of Buttonwood Road, Hand	cocks Bridge, NJ (ad	08038 dress)			
2. Owner <u>Public Service Electric</u> a		ame)			
Foot of Buttonwood Road, Hand	ocks Bridge, NJ	08038 dress)		-	
3. Name, address and identification of nuclear power pla		_	Station I	Jnit #1	
Foot of Buttonwood Road, Hand	ocks Bridge, NJ	08038		Trail core (C)	
System <u>Reactor Coolant</u> S. a: Component repaired, modified or replaced <u>TC-F</u>	mir 177			Nuclear Cl	dSS I
b: Name of manufacturer	KH-1//		··.		
c: Identifying nos. N/A N/	'A	N/A	N/A	197	Δ
(mfr's, serial no.) (Nat'l.B		- 7	ther)		ear built)
d: Construction Code _Spec_69-6430_Rev.	•	,	•	т	,
(edition)	(addenda)	(Code Ca		(Code C	lass)
6. Section XI	Summer	83		·	N/A
(edition)		ldenda)		(Code Case	
7. Applicable edition of ASME Code Section XI under wh	nich repairs, modifications,	or replacements were ma	de: <u>1983</u>	S83	N/A
•••	• •		(edition)	(addenda)	(Code Case(s))
8. Applicable edition of Construction Code under which r	epairs, modifications, or re	placements were made:	*N/A	_N/A	N/A
	*S-C-MBOO-MDS	5-043	(edition)	(addenda)	(Code Case(s))
9. Design responsibilitiespsec_	·				
10. Tests conducted: hydrostatic	design pressure	** pressure <u>N/A</u> p	si Code Cas	e(s) <u>N/A</u>	
11. Description of workModification of p	ipe support.	<u> </u>		·	
-	(use of additional sheet(s)	or sketch(es) is acceptable if	properly identified)	-	;
12. Remarks: Work Order #: 920805117		Deficiency F	eport #: 1	I/A	
Design Change Package #	: 1EC-3168 Re	<u>v.</u> 0		· ·	
See attached pages for					<u> </u>
**N/A	Te	emp. N/A			·
	CERTIFICATE OF C	OMPLIANCE			
We certify that the statements made in this report are corr	ect and the repair, modifica	ation or replacement of the	e items described	d above conform	s to Section XI
of the ASME Code and the National Board rules as define	d in the publication NB-10	2, current edition.			
Certificate of Authorization no. 36 to use	the "NR" stamp expires	Oct. 3, 1994	·		
DOESC C	oNuclear Dept.	000		Principa	1 From
Date 12 - 3 19, 93 Signed PSE&G C	ONuclear Dept.	& Spus	Luke _	— —	
(repair organization)	(authorized	representative)	·	(title)
	CERTIFICATE OF I	NSPECTION			
I About a description of the lating of the l	St Nadional Doord of Daile	d Daga Va a a al la			.
I, the undersigned, holding a valid commission issued by					ency issued by
the state or province of <u>New Jersey</u> and en		, 4	1 10	0>	·
of MA have inspected the repair, modification			1 8 19	<u></u>	te that to the
best of my knowledge and belief, this repair, modification of	·				
Board rules as defined in the publication NB-102, current or			•		•
expressed or implied, concerning the repair, modification of	•	•			pioyer snall be
any manner for any personal injury or property da	mage of a loss of any Kind	-	ractory Mul		Acen
Date 12/14, 1993. Signed 25 Acres	mel.	Commissions P			
July 10 10 10 10 10 10 10 10 10 10 10 10 10	(Inspector)		(including endorse		

	Work performed by:			ctric & Gas C Road, Hancoc		
2.	Owner:			ctric & Gas (Road, Hancoc		NJ 08038
3.	Location:	Salem Nucle	ear Genei	cating Static	n	
4.	System: <u>Chemical V</u>	olume Contro	ol	Road, Hancoc Nuclea	r Class: <u>I</u>	<u>I</u>
===:	======================================	d: <u>1-CVCA-6</u>	553	.=========		
Name	e of Manufacturer:	PSE&G	NY / A	1000	NI / 3	,
Ser.	ial No. Nat'l. Bd.	Jurist No.	Other	Year Built	ASME Cod	e Stamp'd.?
Orio	ginal Const. Code: <u>S</u> e Cases: <u>N/A</u>	<u>pec 69-6445</u>	<u>Rev9</u> Edi	tion <u>N/A</u> A	ddenda, Cod	e Class <u>II</u>
маш	e of Manufacturer:	PDTGG				
Ser.	N/A ial No. Nat'l. Bd. lacement Const. Code	Jurist No.	otner	Year Bullt	ASME Cod Addenda, C	e Stamp'd.?
Code	e Cases: <u>N/A</u>	<u>-043</u>				
ID (of Component Replace	d:				
Nam	e of Manufacturer: _					
<u></u>	al No. Nat'l. Bd. ginal Const. Code: e Cases:		Edi	tionA	ddenda, Cod	e Class
	of Replacement:e of Manufacturer: _					•
Ser:	ial No. Nat'l. Bd. lacement Const. Code e Cases:	Jurist No.	Other	Year Built	ASME Cod	e Stamp'd.?
===:						
Name	of Component Replace e of Manufacturer: _	u:				
Orio	ial No. Nat'l. Bd. ginal Const. Code: _ e Cases:		Edi	tion A	ddenda, Cod	e Class
ID (of Replacement: e of Manufacturer:			·		
Ser	ial No. Nat'l. Bd. lacement Const. Code Cases:	:		Edition	Addenda, C	e Stamp'd.? ode Class
====		· ====================================		==========		=========

FORM NR-1 REPORT OF REPAIR $\ \square$ MODIFICATION $\ \square$ OR INSTALLATION OF REPLACEMENT(S) $\ \square$ TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

Nork performed by Public Service Electry	ic & Gas Co	Nuclear Dept	c. CJP	#PS93-012	
	(name			tion's P.O. no., job.	. no.,etc.)
Foot of Buttonwood Road, Hancocks	s Bridge, NJ (addre				
2. Owner Public Service Electric and (
	(name)			. — -
Foot of Buttonwood Road, Hancocks	s Bridge, NJ	08038			
	(addre:	,		•• !!-	
 Name, address and identification of nuclear power plant Foot of Buttonwood Road, Hancocks 			Station	Unit #1	
4. System Control Air				Nuclear Cl	ass II
5. a: Component repaired, modified or replaced 11CA330	and 123CA330	Valves		<u> </u>	
b: Name of manufacturer <u>Masoneilan</u>		N/A		100	
c: Identifying nos. N=00133=1=1&2 N/A (mfr's, serial no.) (Nat'l.Bd.No.)	(jurisdictional	· — —	N/A other)	199	vear built)
d: Construction Code ASME III 1971	-	N/	•	TT	real builty
	(addenda)		Case(s))	(Code C	Class)
6. Section XI1983	Summer 8	•	(-//	-	N/A
(edition)	(adde			(Code Case	•
7. Applicable edition of ASME Code Section XI under which re	pairs, modifications, or	replacements were m	ade: <u>1983</u>	<u>S83</u>	N/A
			(edition)	(addenda)	(Code Case(s))
8. Applicable edition of Construction Code under which repairs				_S71	<u>N/A</u>
*ASME III/ANS	SI B31.7 1969	Ed. 1970 Add.	(edition)	(addenda)	(Code Case(s))
9. Design responsibilities PSE&G					
10. Tests conducted: hydrostatic pneumatic de					
Description of work Replaced stem assemb					<u>otĀ</u>
on 12CA330. Stem assemblies insta	e of additional sheet(s) or				
On izonoto. Stem assemblies history	ILL CO MACCILL	ew soit seats			
12. Remarks: Work Order #: 920421124		Deficiency	Report #: 1	N/A	
Design Change Package #: 11	EC-3170 Pkg. 1		<u>.</u>	7	
See attached pages for Desc			I/A		
**System Inservice Test	Tem	p. NOT			
C	ERTIFICATE OF COM	IPLIANCE			
We certify that the statements made in this report are correct an			he items describe	d above conform	is to Section XI
of the ASME Code and the National Board rules as defined in the Certificate of Authorization no. 36 to use the "N					
	R" stamp expires O	19 <u>94</u>	<u>·</u> ,		
Date / 2 2 2 19, <i>93</i> Signed	Muclear Dept.	111	1 1 1 1 1 1 1	Principa	d Engr.
· · · · · · · · · · · · · · · · · · ·	organization)	(authorize	ed representative)		(title)
	ERTIFICATE OF INS	PECTION		· · ·	
•	ENTITION LOT INS	FEOTION			
, the undersigned, holding a valid commission issued by The Na	ational Board of Boiler	and Pressure Vessel I	nspectors, and ce	rtificate of comp	etency issued by
he state or province of <u>New Jersey</u> and employe	d by Arkw	right Mutual	Insurance (<u>Co</u>	
ofMA have inspected the repair, modification or re					ate that to the
pest of my knowledge and belief, this repair, modification or repl					
d rules as defined in the publication NB-102, current edition					
ssed or implied, concerning the repair, modification or repl					npioyer shall be
name in any manner for any personal injury or property damage	or a loss of any kind at		ed with this inspec Factory Mu		Agan
Date 12-27 , 19 93 . Signed Mb Hunto	·		2056NI		
(Inspe	ctor)		lo.(including endorse		_
		,	•		·

FORM NR-1 REPORT TO NUCLE	OF REPAIR MAR COMPONENT	MODIFICATION	OR INS	TALLATION OF REPI CLEAR POWER PLAN	LACEMENT(S) A NTS Page 1 of 2
ork performed byPublic Se	ervice Electri				#PS93-045
East of Dathamand F	lend Hongogle	(name	•	(repair organizati	on's P.O. no., job. no.,etc.)
Foot of Buttonwood F	toad, naticocks	(addres	08038	——————————————————————————————————————	
2. Owner Public Service F	lectric and G	•			
		(name	•		
Foot of Buttonwood R	coad, Hancocks		_		
		(addres	•	wating Station	[Tni+ #1
3. Name, address and identification of nucleon Foot of Buttonwood R			08038	erating Station	OITTC #T
C		Dridge, No	00030		Nuclear Class II
System <u>Generator Blows</u> S. a: Component repaired, modified or repaired.		2CB/ 12CB/	14CD4 T		Nuclear Class II
b: Name of manufacturer Masc		2GD4, 13GD4,	T#GD# /	arve Hiremore	
			N/A	N/A	1974
c: Identifying nos. See Attch.				•	
(mfr's, serial no.)	(Nat'l.Bd.No.)	(jurisdictional i	no.)	(other)	(year built)
d: Construction Code ANSI B31		<u>1969</u>		None (2-1-2-1-1)	(0-4-01)
(edition) 6 Section XI 1983	(ac	idenda) Summer 8	22	(Code Case(s))	(Code Class) N/A
0. 000.0117.1					•
(edition)	VI 1 1 1 1 1	(adder	•	s were made: 1983	(Code Case(s)) S83 N/A
7. Applicable edition of ASME Code Section	on XI under which repa	irs, modifications, or	replacement	s were made:	
O Applicable adition of Construction Code		andifications or replace			(addenda) (Code Case(s)) 1969 N/A
8. Applicable edition of Construction Code	NSI B31.7/ASM				(addenda) (Code Case(s))
9. Design responsibilities PSE&G	101 101.7/12011	d 000. III I.	771 00	THE (ECHOTI)	(adderida) (Odde Case(3))
	neumatic [] desi	an prossure \Box	pressure	** psi Code Case	e(s) N/A
11. Description of workReplace	GB4 valve into	emals TAW IY		226 - 01	(5)
Tr. Description of work				cceptable if properly identified)	
Filosofa Condess # a	020202102		D-Si-	dan and Dan and Ha	
12. Remarks: Work Order #:		7 2226 De-		iency Report #:)	<u>vone</u>
Design Change			7. 01		
See attached p	ages for besc.	- · · · · · · · · · · · · · · · · · · ·		inc.	·
** NOP		Ter	TON .qm		·
	CER	TIFICATE OF COM	IPLIANCE		
			_		
We certify that the statements made in this					above conforms to Section XI
of the ASME Code and the National Board r	_				
Certificate of Authorization no. 3	6 to use the "NR"	stamp expires	ct. 3,	, 19 <u>94</u>	
Date 2 - 23 19, 9 4 Signed	PSE&G CoN	uclear Dept.	1	She live	Principal Engr.
	(repair org	anization)	<i>J</i>	(authorized representative)	(title)
	CEF	RTIFICATE OF INS	PECTION		· · · · · · · · · · · · · · · · · · ·
I, the undersigned, holding a valid commissi					
3.63	ey and employed b			utual Insurance (<u>2</u> 0,
of MA have inspected the repa					14 and state that to the
best of my knowledge and belief, this repair,					
Board rules as defined in the publication NB	-102, current edition. I	By signing this certific	cate, neither	the Inspector nor his employ	yer makes any warranty,

ssed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be

n any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Signed (

Factory Mutual Engr. Assn.

(Natl.Bd.No.(including endorsements)state or province and number)

Commissions NB5844 INA NJ371

Code Job Package No.: PS93045

rk performed by: Public Service Electric & Gas Co., Nuclear Dept. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 owner: Public Service Electric & Gas Co. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Location: Salem Nuclear Generating Station Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 System: <u>Generator Blowdown</u> Nuclear Class: <u>2</u> __~~ ID of Component Replaced: <u>11GB4 Valve Internals</u> Name of Manufacturer: Masoneillan N2/N001301-1 N/A N/A 1974

Serial No. Nat'l. Bd. Jurist No. Other Year Built ASME Code Stamp'd.?

Original Const. Code: ANSI B31.7 Edition 1969 Addenda, Code Class 2

Code Cases: N/A ASME Sec. III 1971 - Summer 71 ID of Replacement: <u>12GB4 Valve Internals</u> Name of Manufacturer: Masoneillan N2/N001301-2 N/A N/A 1974

Serial No. Nat'l. Bd. Jurist No. Other Year Built ASME Code Stamp'd.?

Original Const. Code: ANSI B31.7 Edition 1969 Addenda, Code Class 2

Code Cases: N/A ASME Sec. III 1971 - Summer 71 ID of Component Replaced: <u>11GB4 Valve Internals</u> Name of Manufacturer: Masoneillan NO01301-3 N/A N/A N/A 1974

ial No. Nat'l. Bd. Jurist No. Other Year Built ASME Code Stamp'd.?

Original Const. Code: ANSI B31.7 Edition 1969 Addenda, Code Class 2

Code Cases: N/A ASME Sec. III 1971 - Summer 71 ID of Replacement: <u>12GB4 Valve Internals</u> Name of Manufacturer: Masoneillan N2/N001301-4 N/A N/A N/A 1974

Serial No. Nat'l. Bd. Jurist No. Other Year Built ASME Code Stamp'd.?

Original Const. Code: ANSI B31.7 Edition 1969 Addenda, Code Class 2

Code Cases: N/A ASME Sec. III 1971 - Summer 71 ID of Component Replaced: Name of Manufacturer: Serial No. Nat'l. Bd. Jurist No. Other Year Built ASME Code Stamp'd.?
Original Const. Code: _____ Edition ___ Addenda, Code Class ____ ID of Replacement: Name of Manufacturer: rial No. Nat'l. Bd. Jurist No. Other Year Built ASME Code Stamp'd.?
acement Const. Code: Edition Addenda, Code Class e Cases: _____

FORM NR-1 REPORT OF REPAIR $\ \square$ MODIFICATION $\ \square$ OR INSTALLATION OF REPLACEMENT(S) $\ \square$ TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

ork performed by Public Service Electric & Gas Co Nuclear Dept. CJP #:	PS93-053
· · · · · · · · · · · · · · · · · · ·	on's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 (address)	
2. Owner Public Service Electric and Gas Co.	
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 (address)	
3. Name, address and identification of nuclear power plant	nit #1
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	usal som Class T
4. System Reactor Coolant 5. a: Component repaired, modified or replaced 1PR1 Valve	uclear Class I
b: Name of manufacturerCopes_Vulcan	
c: Identifying nos6910_95001_164_1 N/A N/A N/A	1969
(mfr's. serial no.) (Nat'l.Bd.No.) (jurisdictional no.) (other)	(year built)
d: Construction Code <u>W E-Spec E676270 N/A N/A</u>	I
ANSI B31.7 1969 Exedition 1970 Add. (addenda) (Code Case(s))	(Code Class)
6. Section XI 1983 Summer 83	<u> </u>
(edition) (addenda)	(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1983	S83 N/A (Code Case(s))
(edition) 8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: *1969	(addenda) (Code Case(s)) 1970 N/A
*ANSI B31.7/W E-Spec E-676270 (edition)	(addenda) (Code Case(s))
9. Design responsibilities PSE&G	
	(s) N/A
Description of work Replaced valve bolting and valve internal with materials o	f new
(use of additional sheet(s) or sketch(es) is acceptable if properly identified)	
design.	
12. Remarks: Work Order #: 930126150 Deficiency Report #: N	/A
Design Change Package #: 1EC-3219 Pkg. 1	/ * 2
See attached pages for Description of Replacement. N/A	
**System Inservice Test Temp. NOT	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in this report are correct and the repair, modification or replacement of the items described	above conforms to Section XI
of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994	
Date / 17 19, 94. Signed PSE&G CoNuclear Dept.	Principal Engr.
(repair organization) (authorized representative)	(title)
CERTIFICATE OF INSPECTION	
, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and cert	
, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and cert the state or province of <u>New Jersey</u> and employed by <u>Arkwright Mutual Insurance C</u>	0,
the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and cert the state or province of <u>New Jersey</u> and employed by <u>Arkwright Mutual Insurance Cost</u> MA have inspected the repair, modification or replacement described in this report on <u>in 1</u> , 199	and state that to the
the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and cert the state or province of <u>New Jersey</u> and employed by <u>Arkwright Mutual Insurance Conf_MA</u> have inspected the repair, modification or replacement described in this report on <u>in I/</u> , 1990 pest of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the Associated in the section	and state that to the
the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and cert the state or province of <u>New Jersey</u> and employed by <u>Arkwright Mutual Insurance Company</u> and employed by <u>Arkwright Mutual Insurance Company</u> , and employed by <u>Arkwright Mutual Insurance Company</u> , and employed by <u>Arkwright Mutual Insurance Company</u> , 1990 post of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the Arkwright Mutual Insurance Company in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employed	and state that to the SME Code and the National er makes any warranty,
the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and cert the state or province of <u>New Jersey</u> and employed by <u>Arkwright Mutual Insurance Conf_MA</u> have inspected the repair, modification or replacement described in this report on <u>in I/</u> , 1990 pest of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the Associated in the section	and state that to the SME Code and the National rer makes any warranty, ector nor his employer shall be
the state or province of New Jersey and employed by Arkwright Mutual Insurance Companies of MA have inspected the repair, modification or replacement described in this report on 1 modification or replacement has been made in accordance with Section XI of the Association of the A	and state that to the SME Code and the National rer makes any warranty, ector nor his employer shall be
the state or province of New Jersey and employed by Arkwright Mutual Insurance Commission is repair, modification or replacement described in this report on 1 - 1 - 19 open or replacement described in this report on 1 - 1 - 19 open or replacement described in this report on 1 - 1 - 19 open or replacement described in this report on 1 - 1 - 19 open or replacement has been made in accordance with Section XI of the Association of	and state that to the SME Code and the National rer makes any warranty, ector nor his employer shall be on.

FORM NR-1 REPORT OF REPAIR | MODIFICATION & OR INSTALLATION OF REPLACEMENT(S) | TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS | Page 1 of 1

brk performed byPublic Service Electric & Gas Co Nuclear DeptCJP :	#PS93-054	
(repair organization) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	ion's P.O. no., job. no	o.,etc.)
2. Owner Public Service Electric and Gas Co. (address)		
(name)		
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 (address)		
3. Name, address and identification of nuclear power plant Salem Nuclear Generating Station U Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	Jnit #1	
4. System Reactor Coolant I	Nuclear Cla	ss I
5. a: Component repaired, modified or replaced <u>1PR2 Valve</u> b: Name of manufacturer <u>Copes Vulcan</u>		
c: Identifying nos. 6910-95001-164-2 N/A N/A N/A	1969	
		ar built)
(mfr's, serial no.) (Nat'l.Bd.No.) (jurisdictional no.) (other) d: Construction Code WE-Spec E676270 N/A N/A N/A	T (yea	u buit)
ANSI B31.7 1969 Edditiof1)970 Add. (addenda) (Code Case(s))	(Code Cla	ee)
6. Section XI 1983 Summer_83	•	I/A
(edition) (addenda)	(Code Case(s	,
7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1983	_ '.	" N/A
(edition)		(Code Case(s))
8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: *1969	1970	N/A
*ANSI B31.7/W E Spec E676270 (edition)	(addenda)	(Code Case(s))
9. Design responsibilities PSE&G		
	e(s)N/A	
Description of work Replaced valve bolting and valve internal with materials of	of new	
(use of additional sheet(s) or sketch(es) is acceptable if properly identified)		
design.		
12. Remarks: Work Order #: 930126150 Deficiency Report #: 1	T /7	
12. Remarks: <u>Work Order #: 930126150</u> <u>Deficiency Report #: 1</u>	1/A	.
See attached pages for Description of Replacement. N/A		
**System Inservice Test NOP Temp. NOT		
bybean indervice lede not lamp. Not		
CERTIFICATE OF COMPLIANCE	-	
Ne certify that the statements made in this report are correct and the repair, modification or replacement of the items described	l above conforms	to Section XI
of the ASME Code and the National Board rules as defined in the publication NB-102, current edition.		
Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994.		
Date 1/- 17 19, 94 Signed PSE&G CoNuclear Dept.	Principal	Engr.
(repair organization) (authorized representative)	(title)
CERTIFICATE OF INSPECTION		
, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and cer		ency issued by
he state or province of <u>New Jersey</u> and employed by <u>Arkwright Mutual Insurance (</u>		
		that to the
pest of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the A		
rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his emplo	•	The state of the s
sed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Insp		loyer shall be
in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspect		Aggr
Factory Mut $6 / 1$ $6 / 1$ $6 / 1$ $6 / 1$	ual Engr.	ASSN.
Date 1-19, 1994. Signed James S. Cont. Commissions N13 5599 IN F. (Inspector) (Natl.Bd.No.(including endorse)		
/ (Inspector) (Natl.Bd.No.(including endorser	nents)state or provir	nce and number)

FORM NR-1 REPORT OF REPAIR $\ \square$ MODIFICATION $\ \square$ OR INSTALLATION OF REPLACEMENT(S) $\ \square$ TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

ork performed by	Aublic Servi	ce Electri	c & Gas Co	o Nucle	ar Dept. CJ	P #PS93-052	
				(name)	(repair organ	zation's P.O. no., job	o. no.,etc.)
Foot of Butt	conwood Road	, Hancocks	Bridge, 1	<u>IJ 08038</u>			
	_		,	address)			
2. Owner <u>Public S</u>	<u>Service Elec</u>	<u>tric and G</u>					
				(name)			
Foot of Butt	<u>conwood Road</u>	, Hancocks			<u>.</u>		
	der o e l		,	address)		'1 No	
3. Name, address and ident					<u>erating Station</u>	Unit #1	
Foot of Butt		•	- .			Maral core O	logg TT
4. System Reactor							Tass II
5. a: Component repaired,						<u> </u>	
b: Name of manufacture					37 /3	10	76
c: Identifying nos. N	/A				•	19	
					(other)	· ·	year built)
d: Construction Code					<u> </u>		Ol)
SGS/M-FD-1					(Code Case(s))	(Code	
6. Section XI				(addenda)		(Code Cas	_N/A
7 Applicable adition of ACA	` '			•	-t 1002	•	
7. Applicable edition of ASM	ie Code Section XI	under which repa	airs, modification	is, or replaceme			
O Applicable addition of Occ			difi Ai		(edition)		(Code Case(s))
8. Applicable edition of Cons	struction Gode unde					•	(Code Case(s))
O Doolan roonanihilition	DORGO		PS Spec S		5-043 (edition)	(audenua)	(Code Case(s))
9. Design responsibilities0. Tests conducted: hydrost			ian proceuro		N/A psi Codo C	200(c) N/A	
1. Description of work						ase(s) N/A	
	MOUTTIER Dr	•		-	acceptable if properly identific	nd\	
		(436.1	or additional street	a) or sketch(es) is	acceptable if properly identific	su)	
							
2. Remarks: Work C)rder #: 930	126150		Defi	ciency Report #	N/A	
	n Change Pac				<u> </u>		
					ent. N/A		
	Pre-Service 1						
							
		CEF	RTIFICATE OF	COMPLIANCE			
Ve certify that the statements	s made in this report	t are correct and	the repair, modi	fication or replac	ement of the items descri	oed above conform	ns to Section XI
f the ASME Code and the N							
Certificate of Authorization no		to use the "NR	•				
	· · · · · · · · · · · · · · · · · · ·	<u> </u>				market and an	- 7 Thanna
Date 12 - 8 19, 93	, Signed	SE&G CoN	uctear beg	σ .	Shurida,	Princip	al Engr.
<u></u>	_	(repair or	ganization)		(authorized representative)		(title)
	 						
		CE	RTIFICATE OF	INSPECTION			
the undersigned, holding a	valid commission is:	sued by The Nati	onal Board of B	oiler and Pressu	re Vessel Inspectors, and	certificate of comp	etency issued by
ne state or province of							, ,
					ton 20 DEC.		ate that to the
est of my knowledge and be							
eard rules as defined in the							
•			-		Furthermore, neither the la		-
					or connected with this insp		, y = - 3 (i.e.) 50
	•	5///("	10.11	7		Tutual Engr	. Assn.
ate 20 DEC , 19 9.	3 1/	/ VV/nel	1 1 1/2		· <u>4</u> -		
	ノ. Signed '/ '). 4in 1/	Comm	issions イスパ2のユ	TAIA	YJIOCE
	Signed	(Inspecto	J. almy	Comm	issions <u>N3//26</u> 7 (Natl.Bd.No.(including endo		

FORM NR-1 REPORT OF REPAIR TO NUCLEAR COMPON	☐ MODIFICATION ENTS AND SYSTE	I ⊠ OR INSTAI EMS IN NUCLE	LLATION OF REP AR POWER PLA	NTS Page 1	(S) [] of 1
York performed by <u>Public Service Elect</u>		- Nuclear D		#PS93-055 tion's P.O. no., job.	no.,etc.)
Foot of Buttonwood Road, Hancoc		08038 ress)			
2. Owner <u>Public Service Electric and</u>	Gas Co.				
Foot of Buttonwood Road, Hancoc	(add	08038 ress)			
3. Name, address and identification of nuclear power plant Foot of Buttonwood Road, Hancoo	_		ing Station I	Jnit #1	
4. System <u>Reactor Coolant</u>				Muclear Cl	ass I
5. a: Component repaired, modified or replaced <u>PRT Pi</u> b: Name of manufacturer <u>UE&C/PSE&G</u>	pe Spools S1 - R	C-3220 and	S1-RC-3222		
c: Identifying nos. N/A N/A		N/A	N/A	197	4
(mfr's, serial no.) (Nat'l.Bd.No		- 7	(other)		rear built)
d: Construction Code ANST B31.7 1969			_N/A	I_	
ANSI B31.1 1967 (edition) 6. Section XI 1983	(addenda)Simmer		ode Case(s))	(Code C	N/A
(edition)		denda)		(Code Case	,
7. Applicable edition of ASME Code Section XI under which	repairs, modifications,	or replacements we	ere made: <u>1983</u>	<u>S83</u>	N/A
			(edition)	(addenda)	(Code Case(s))
8. Applicable edition of Construction Code under which repa				1970 (addenda)	N/A (Code Case(s))
9. Design responsibilities _PSE&G	*ANSI B31.7/A	M2T D3T*T T	967 (edition)	(audenda)	(Code Case(s))
10. Tests conducted: hydrostatic pneumatic	design pressure []*	* pressure NO	P psi Code Cas	e(s)N/A	
11. Description of work <u>Modified pressurize</u>				·	
	(use of additional sheet(s) o	or sketch(es) is accep	table if properly identified)		
					
12. Remarks: Work Order #: 930126150 Design Change Package #:		1	cy Report #: 1	V/A	
See attached pages for De	_	-	N/A		
**System Inservice Test	Te	mp. NOT			
	CERTIFICATE OF CO	OMPLIANCE			
We certify that the statements made in this report are correct of the ASME Code and the National Board rules as defined in Certificate of Authorization no. 36 to use the		, current edition.	t of the items describe	d above conform	s to Section XI
_ 		000. 5,		Dulmalaa	7 Encore
Date /-/) 19, 94 Signed PSE&G Co.	-Nuclear Dept.	<i>,\</i> .s.	halile _	Principa ——	T EIGE.
(repa	air organization)	(aut	horized representative)		(title)
	CERTIFICATE OF IN	SPECTION			
I, the undersigned, holding a valid commission issued by The	National Board of Boile	r and Pressure Ves	ssel Inspectors, and ce	rtificate of comp	etency issued by
the state or province of <u>New Jersey</u> and emplo			al Insurance	27,7	
of MA have inspected the repair, modification of			, 19	<u> </u>	ate that to the
best of my knowledge and belief, this repair, modification or re Board rules as defined in the publication NB-102, current edit					
e e e e e e e e e e e e e e e e e e e	•		•	•	
any manner for any personal injury or property damag			nected with this inspec	tion.	_
Data 1=71 10 94 Sizzad (14 1/19	6 h	Commiss!	Factory Mu	Cual Engr.	ASSN. 277
Date / , 19 /9 . Signed / Lynn (Ins	spector)	Commissior (Nati	Bd.No.(including endorse	ments)state or pro	vince and number)

FORM NR-1 REPORT OF REPAIR \square MODIFICATION \square OR INSTALLATION OF REPLACEMENT(S) \square TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

Vark parformed by	Public Servi	o Floatria S	. Cag Co	Mudloom D	ont CTD	#DC02_070	Potr 1
york performed by	PUDITIC SELVIC	e riectic o	(name)	Nuclear De	(repair organizati		
Foot of Bu	ittonwood Road	Hancooke Br	, ,	U8U38	(repair organizati	0.110., 100	110.,616.)
FOOL OI BU	ICCONWOOD ROOM	, naticocks bi	(address				
2. Owner Public	Service Elect	tric and Cac	•	,			
z. Owner Fublic	· per aice tries	uric ain Gas	(name)		 		
Foot of B	ittonwood Road	Hancocks Br		กลดรล			
1000 01 10	icconwood nodd,	, manaza di	(address				
3. Name, address and id	antification of nuclear n	ower plant S	,	•	ing Station	[Init #1	
	ittonwood Road				ung beateron	<u> </u>	
4. System Contr		, HAHAAAAS DI	inge, io	00000		Nuclear C	lace TT
5. a: Component repaire		Dino Spool	1072310			Nuclear C	1055 11
	urer <u>M.J. Do</u> v		TCM210	·			
	N/A	•		N/A	N/A	10	74
	mfr's. serial no.)	(Nat'l.Bd.No.)	(jurisdictional no		(other)		/ear built)
•	•	•	-	•	None	TT	car builty
a. Construction Code	B31.1 1967/I	addend)			le Case(s))	(Code C	lace)
C Castian VI		(addeni	Summer 8:		e Case(s))	(South	N/A
6. Section XI	(edition)		(addeno			(Code Case	
7 A C L A	• •		•	•			
7. Applicable edition of A	SME Code Section XI (inder which repairs, i	modifications, or re	epiacements were		S83	N/A
0 A 11 11 111 101 100		1.	e		(edition)	(addenda)	(Code Case(s))
8. Applicable edition of C	onstruction Code under	·				N/A	None
6 D : 9.99	Danca	*ANS	SI B31.1/B3:	1.7 1969	(edition)	(addenda)	(Code Case(s))
9. Design responsibilities				1 40		/ N NT-ma	
10. Tests conducted: hydro		atic [X design p			•	e(s) <u>None</u>	
11. Description of work	Added break						
		(use of add	iitional sneet(s) or sk	etcn(es) is acceptar	ple if properly identified)		
10.70				D-61-1	T	· · · · · · · · · · · · · · · · · · ·	
	Order #: 9306		150 1 D		y Report #:	None	
	gn Change Pack				37./3		
	attached pages	s for Descrip			N/A		
**			Tem	o. N/A			
		CERTIF	ICATE OF COM	PLIANCE			
We certify that the stateme					of the items described	above conform	s to Section XI
of the ASME Code and the							
Certificate of Authorization	no. <u>36</u>	_ to use the "NR" star	mp expires O	ot. 3, 19	94		
	PS	SE&G CoNucl	ear Dept.	113	4	Princip	al Engr.
Date <u>1 - 25</u> 19, 9	<u>/</u>			<i></i>	Muli		
		(repair organiza	ation)	(autho	rized representative)		(title)
		-					
		CERTIF	ICATE OF INSP	ECTION			
l, the undersigned, holding	a valid commission iss	ued by The National	Board of Boiler ar	id Pressure Vesse	el Inspectors, and cer	tificate of comp	etency issued by
the state or province of	New Jersey	and employed by	Arkwi	right Mutua	l Insurance (<u> </u>	
of <u>MA</u> have in	nspected the repair, mo	dification or replacer	nent described in	this report on	<u>//-24</u> , 19	and sta	ate that to the
best of my knowledge and	belief, this repair, modi	fication or replaceme	nt has been made	in accordance w	ith Section XI of the A	SME Code and	I the National
Board rules as defined in the	ne publication NB-102,	current edition. By s	igning this certifica	ate, neither the Ins	spector nor his emplo	yer makes any	warranty,
	erning the repair, modi	•	•				-
	y personal injury or pro						-
		,		=	Factory Mu		. Assn.
Date 2-25 , 199	4 . Signed (a	mig E. Cirl	<u>/</u>	Commissions/		NT37	}
	— 7	(Inspector)	-		d.No.(including endorser	nents)state or pro	vince and number)
				•	, •	, , , , , , , , , , , , , , , , , , , ,	• •

FORM NR-1 REPORT OF REPAIR $\ \square$ MODIFICATION $\ \square$ OR INSTALLATION OF REPLACEMENT(S) $\ \square$ TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

Tork performed by Public Service Electric & Gas Co Nuclear Dept.	CJP #PS93-073
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	ir organization's P.O. no., job. no.,etc.)
(address)	
2. Owner Public Service Electric and Gas Co.	
(name)	
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	
(address)	
3. Name, address and identification of nuclear power plant Salem Nuclear Generating Stat	tion Unit #1
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 4. System Chemical & Volume Control System	Nuclear Class II
4. System Chemical & Volume Control System 5. a: Component repaired, modified or replaced Boric Acid Blender	NUCTEAL CLASS II
b: Name of manufacturer Westinghouse	
c: Identifying nos. None N/A N/A N/A N/A	/A 1972
(mfr's. serial no.) (Nat'l.Bd.No.) (jurisdictional no.) (other)	(year built)
d: Construction Code ANSI B31.7 1969 1970 None	II
ANSI B31.1 1967 (edition) (addenda) (Code Case(s))	(Code Class)
6. Section XI 1983 Summer 83	N/A
(edition) (addenda)	(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: _1	L983 S83 N/A
	(edition) (addenda) (Code Case(s))
8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: *19	
*ANSI B31.7/ANSI B31.1 1967 (edit	tion) (addenda) (Code Case(s))
9. Design responsibilities PSE&G 10. Tests conducted: hydrostatic X pneumatic design pressure ** pressure 170 psi	Code Case(s) N/A
10. Tests conducted: hydrostatic 점 pneumatic □ design pressure □** pressure 170 psi (Description of work Removal of boric acid blender no longer needed in ch	
(use of additional sheet(s) or sketch(es) is acceptable if properly	
volume control systm and re-installation of piping.	
12. Remarks: Work Order #: 930618133 Deficiency Repor	t #: N/A
Design Change Package #: 1EC-3254 Rev. 0	
See attached pages for Description of Replacement. N/A **N/A Temp. 90°F	
naiya lelip. 90 r	
CERTIFICATE OF COMPLIANCE	·
OLITHIOATE OF COMMENTAL	
We certify that the statements made in this report are correct and the repair, modification or replacement of the items	described above conforms to Section XI
of the ASME Code and the National Board rules as defined in the publication NB-102, current edition.	
Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994	
PSE&G CoNuclear Dept.	Principal Engr.
Date 1 / 14 19, 93 Signed Postage Co. Nuclean Dept.	rincipal Eigi.
(repair organization) (authorized represe	entative) (title)
CERTIFICATE OF INSPECTION	
, CENTIFICATE OF INSPECTION	·
l, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspector	rs. and certificate of competency issued by
the state or province of New Jersey and employed by Arkwright Mutual Insur	
of MA have inspected the repair, modification or replacement described in this report on	, 1993 and state that to the
best of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section	XI of the ASME Code and the National
rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor	
sed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither	
in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the	
	ory Mutual Engr. Assn.
Date 1-6), 1944. Signed Jones Z. Low Commissions NS 589	T LNH NJJ15
	ng endorsements)state or province and number)

FORM NR-1 REPORT OF REPAIR \square MODIFICATION \square OR INSTALLATION OF REPLACEMENT(S) \square TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

ork performed by Public Service E	lectric & Gas Co	Nuclear	Dept. CJP	#PS93-074	<u>l</u>
Foot of Buttonwood Road, Hai	·	ame) T 02032	repair organizat	ion's P.O. no., job	. no.,etc.)
		dress)		-	
2. Owner Public Service Electric	•				
		ime)			
Foot of Buttonwood Road, Har	ncocks Bridge, N	J 08038			
	•	dress)			-
3. Name, address and identification of nuclear power pl Foot of Buttonwood Road, Har			ting Station	Unit #1	
4. System Chemical & Volune Cont				Nuclear C	Class II
5. a: Component repaired, modified or replaced 1C		ve			
b: Name of manufacturerCopes Vulcar					
c: Identifying nos. 6910-95001-187-1 1	N/A	<u> N/A</u>	N/A	<u> </u>	71
	3d.No.) (jurisdiction	nal no.)	(other)	(у	rear built)
d: Construction Code <u>ANSI B31.7 196</u> 9			N/A	II	·
\underline{W} E-Spec 676270 (edition)		(C	ode Case(s))	(Code C	Class)
6. Section XI					_N/A
(edition)	•	denda)		(Code Case	
7. Applicable edition of ASME Code Section XI under w	hich repairs, modifications,	or replacements we			N/A
	100		(edition)	(addenda)	(Code Case(s))
8. Applicable edition of Construction Code under which				<u>1970</u>	
O Design respectibilities DCF&C	*ANSI B31.7/	W E-Spec 67	6270 (edition)	(addenda)	(Code Case(s))
9. Design responsibilities <u>PSE&G</u> 10. Tests conducted: hydrostatic X pneumatic [docigo proceuro	***resoure 1'	70 pai Codo Con	o(a) N / A	
10. Tests conducted. Hydrostatic					
17. Description of work 10-proce CATSCHA	(use of additional sheet(s)			AT ICE INC	-3234
Package 1 and replacement of				C-3254	
		POL TOVIDI	<u> </u>	<u> </u>	
12. Remarks: Work Order #: 93061813	33	Deficie	ncy Report #:	None	
Design Change Package	#: 1EC-3254 F	Rev. 0	<u> </u>		
See attached pages for	Description of	Replacement	•		
**N/A	Ţ	lemp. 90°F			
	CERTIFICATE OF CO	OMPLIANCE			
Ne certify that the statements made in this report are cor	rect and the repair, modifica	ation or replacement	t of the items described	d above conform	s to Section XI
of the ASME Code and the National Board rules as define	•				-
Certificate of Authorization no36to use	the "NR" stamp expires	Oct. 3, ,1	19_94		
Date 1-/3 19,44 Signed PSE&G	CoNuclear Dept	111	ulieli	Princip	al Engr.
	(repair organization)	(auth	horized representative)		(title)
	CERTIFICATE OF IN	SPECTION			
	terro allocato de la compania				
, the undersigned, holding a valid commission issued by				-	etency issued by
he state or province of New Jersey and er				77	4-4-44
of MA have inspected the repair, modification					ite that to the
est of my knowledge and belief, this repair, modification 80ard rules as defined in the publication NB-102, current					
sed or implied, concerning the repair, modification				•	-
n any manner for any personal injury or property da		•	•		ipioyei siiali be
	amage of a loss of arry MIIO	anoing nom or com	Factory Mu		. Assn
Date 1-25, 19 44. Signed James	12. John -	Commission	sNBS894 INA		- 13-13110
To The Tark	(Inspector)		.Bd.No.(including endorse		vince and number)
/	· · · · · · · · · · · · · · · · · · ·	(. 14			

FORM NE	R-1 REPORT OF REPAIR ☐ MODIFICATION Ø OR INSTALLATION TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POW	OF REPLACEMENT(S) ER PLANTS Page 1 of 2
ormed by	Public Service Electric & Gas Co Nuclear Dept.	CUP #PS93-075

ork performed by Public Service Electric & Gas	Co Nuclear Dept. CJP #PS93-075
	(name) (repair organization's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancocks Bridge,	NJ 08038
	(address)
2. Owner Public Service Electric and Gas Co.	
Foot of Buttonwood Road, Hancocks Bridge,	(name) NJ 08038
	(address)
3. Name, address and identification of nuclear power plant Salem	Nuclear Generating Station Unit #1
Foot of Buttonwood Road, Hancocks Bridge,	NJ 08038
4. System Main Steam	Nuclear Class II
5. a: Component repaired, modified or replaced 1MSE57, 1MSE58,	MSE59, 1MSE60 Condensate Chambers
b: Name of manufacturer Connex Pipe Systems	N/3 N/3 1000
c: Identifying nos. See Attachment N/A	N/A N/A 1993
	ctional no.) (other) (year built)
d: Construction Code See Attachment N/A	
(edition) (addenda) 6. Section XI	ner 83 (Code Case(s)) (Code Class)
(edition)	(addenda) (Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modification	
7.7 ppiloasia dallari di 710102 dada dada 1771 anda 1771 anda 1701	(edition) (addenda) (Code Case(s))
8. Applicable edition of Construction Code under which repairs, modifications,	
*ASME III/ANSI B31.7	· · · · · · · · · · · · · · · · · · ·
9. Design responsibilities PSE&G	
	**pressure 1400psi Code Case(s) N/A
Description of work Installed new condensate cham	pers for #11 main steam header.
(use of additional sheet	t(s) or sketch(es) is acceptable if properly identified)
2. Remarks: Work Order #: 930810099	Deficiency Report #: N/A
Design Change Package #: 1EC-3256 Pl	
See attached pages for Description of	
**System Inservice Test	Temp. N/A / NOT
And the second s	
CERTIFICATE O	COMPLIANCE
Ve certify that the statements made in this report are correct and the repair, mo	lification or replacement of the items described above conforms to Section XI
f the ASME Code and the National Board rules as defined in the publication NE	
Certificate of Authorization no	oct. 3, 1994
PSE&G CoNuclear De	ept. /// Principal Engr.
Date 1 - 24 19, 99. Signed	Spululu
(repair organization)	(authorized representative) (title)
OFFITIOATE O	FINORESTIAN
CERTIFICATE C	FINSPECTION
the undersigned, holding a valid commission issued by The National Board of	Pollor and Proceure Vessel Inspectors, and eartificate of competency issued by
ne state or province of New Jersey_ and employed by	Arkwright Mutual Insurance Co
f MA have inspected the repair, modification or replacement desc	
est of my knowledge and belief, this repair, modification or replacement has be	· · · · · · · · · · · · · · · · · · ·
rules as defined in the publication NB-102, current edition. By signing this	
sed or implied, concerning the repair, modification or replacement describ	· · · · · · · · · · · · · · · · · · ·
in any manner for any personal injury or property damage or a loss of any	sa in and report. I draformore, netalor are mapeolor flor me employer and a ce
· · · · · · · · · · · · · · · · · · ·	
	rind arising from or connected with this inspection. Factory Mutual Engr. Assn.
Date 1-24, 1994. Signed James 4. Coul	rind arising from or connected with this inspection. Factory Mutual Engr. Assn. Commissions NB 5874 INA NJ373
Date 1-24, 1994. Signed James G. Coul	rind arising from or connected with this inspection. Factory Mutual Engr. Assn.

Work perf 2. Owner:	ormed by:	Public Service Electric & Gas Co., Nuclear Dept. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Public Service Electric & Gas Co.
3. Location:		Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Salem Nuclear Generating Station Foot of Buttonwood Road, Hancocks Bridge, NJ 08038
4. System: _	<u>Main Steam</u>	Nuclear Class: <u>II</u>
Name of Manuf 43471 No. N Original Cons	acturer: _ <u>(</u> <u>/A</u> at'l. Bd. t. Code: <u>A</u>	ment: 1MSE57 Condensate Chamber Connex Pipe System N/A N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? SME III 1989 Edition 1989 Addenda, Code Class 2 NSI B31.7 1969 Ed. 1970 Add
Name of Manuford Manuford Name of Name	acturer: _0 /A at'1. Bd. onst. Code	E58 Condensate Chamber Connex Pipe System N/A N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? ASME III 1989 Edition 1989 Addenda, Code Class 2 ANSI B31.7 1969 Ed. 1970 Add
Name of Manufa	nt Replaced acturer: at'l. Bd. t. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
Name of Manufa 43473 N Serial No. Na Replacement Co	acturer: _0 / <u>A</u> at'l. Bd. onst. Code:	E59 Condensate Chamber Connex Pipe System N/A N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? ASME III 1989 Edition 1989 Addenda, Code Class 2 ANSI B31.7 1969 Ed. 1970 Add
Name or Manura Serial No. Na	at'l. Bd. t. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
Name of Manufa 43474 N. Serial No. Na lacement Co	acturer: _0 /A at'l. Bd. onst. Code:	E60 Condensate Chamber Connex Pipe System N/A N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? ASME III 1989 Edition 1989 Addenda, Code Class 2 ANSI B31.7 1969 Ed. 1970 Add

F	ORM N						TALLATION OF R	IANTO	T(S) □ 1 of 2
ork perform	med by	Public S	ervice Ele	ectric 8	Gas Co.	- Nuclea	ar Dept. C	JP #PS93-07	6
Foot	of B		Road, Hand		(name)		nization's P.O. no., jo	
2. Owner	Public	Service	Electric a	and Gas	(addres	ss) 			
Foot	of Bu	uttonwood	Road, Hand	ocks Br		08038			
			iclear power plan			ear Gene	erating Station	n Unit #1	
4. System	Main	Steam	Road, Hanc					Nuclear	Class II
					SE62, 1MSE	63, 1MSE	64 Condensate	Chambers	
			nex Pipe S hment N/			N/A	N/A	19	993
	1)	mfr's. serial no.)	(Natl.Bd.	.No.)	(jurisdictional r		(other)		(year built)
d: Construct	tion Code	See Att		N/ (addend			N/A (Code Case(s))		Class)
6. Section XI		(edition 1983	•	(audenc	Summer 8	33	(Code Case(s))	(Code	N/A
		(edition)			(adder			(Code Cas	se(s))
7. Applicable ed	dition of A	SME Code Sect	ion XI under whi	ch repairs, r	nodifications, or	replacement	s were made: <u>1983</u>		N/A
8. Applicable ed	dition of C	onstruction Cod	e under which re		fications, or repla			•	(Code Case(s)) N/A (Code Case(s))
9. Design respo				 			1400 : 0 +	0 () 37/3	
10. Tests conduct			oneumatic [] ed new con				1400psi Code of main steam he		
							cceptable if properly identif		
12. Remarks:	Work	Order #:	930810099	<u>. </u>		Defic	iency Report #	#: N/A	
			Package #		256 Pkg. 1				
			pages for						
	**Sy	stem Inse	rvice Test	<u> </u>	Ten	np. N/A	/ NOT		
				CERTIF	ICATE OF COM	IPLIANCE			
We certify that th of the ASME Coo Certificate of Aut	de and the	National Board	rules as defined	l in the publi		urrent edition		ribed above confor	ms to Section XI
Date 1-24					ear Dept.	<i>,</i>	Shakik	Princip	pal Engr.
Dale) 1		Olgileu	(re	epair organiza	ation)		(authorized representative	e)	(title)
				CERTIF	ICATE OF INS	PECTION			
I, the undersigne	d, holding	a valid commis	sion issued by TI	he National	Board of Boiler a	nd Pressure	Vessel Inspectors, and	d certificate of com	petency issued by
the state or provi	nce of	New Jers	Sey and emp	ployed by	Arkw	right M	utual Insuranc	e Co	
of MA			pair, modification	-				_ 	tate that to the
-				•			nce with Section XI of t the Inspector nor his er		
				-			urthermore, neither the		
in any man	ner for an	y personal injury	or property dam	nage or a lo	ss of any kind ari	sing from or	connected with this ins		o 2000
Date 1-24	, 19 <u>_</u> 9	34 Signed	James S.	. losh	<u> </u>	Commis	Factory sions <i>WB 5894</i>	Mutual Engi INA WI	773
		_	/ (Inspector)			(Natl.Bd.No.(including end	orsements)state or pr	ovince and number)

Work performed by: Public Service Electric & Gas Co., Nuclear Dept.

2.	Owner:	Public Service Electric & Gas Co.
4.	Owner.	Foot of Buttonwood Road, Hancocks Bridge, NJ 08038
3.	Location:	Salem Nuclear Generating Station
	Grantania arata Gi	Foot of Buttonwood Road, Hancocks Bridge, NJ 08038
4.	System: <u>Main Stain Stain</u>	team Nuclear Class: <u>II</u>
===:		**************************************
ID (of Component Rep	lacement: 1MSE61 Condensate Chamber
Nam	e of Manufacture	r: Connex Pipe System
434	71 <u>N/A</u>	N/A N/A 1993 No
Ser	ial No. Nat'l. I	N/A N/A 1993 No Bd. Jurist No. Other Year Built ASME Code Stamp'd.? Bd. ASME III 1989 Edition 1989 Addenda, Code Class 2 ANSI B31.7 1969 Ed. 1970 Add
Code	ginai const. code e Cases: N/A	ANST B31.7 1969 Ed. 1970 Add
ID (of Replacement:	1MSE62 Condensate Chamber
		: Connex Pipe System
434	72 <u>N/A</u>	N/A N/A 1993 No 3d. Jurist No. Other Year Built ASME Code Stamp'd.?
Ser:	lai No. Nat'i. I	ode: ASME TIT 1989
Code	racement const. (Code: ASME III 1989 Edition 1989 Addenda, Code Class 2 ANSI B31.7 1969 Ed. 1970 Add
oou.		111101 00111, 1000 1111 1111
ID o	of Component Rep	Laced: N/A
n	e of Manufacture	•
	ial No. Natil. I	3d. Jurist No. Other Year Built ASME Code Stamp'd.?
		Edition Addenda, Code Class
	e Cases:	
ID (of Replacement:	1MSE63 Condensate Chamber Connex Pipe System
Ser	ial No. Nat'l. I	N/A N/A 1993 No 3d. Jurist No. Other Year Built ASME Code Stamp'd.?
Rep.	lacement Const. (Code: ASME III 1989
Code	e Cases: <u>N/A</u>	ANSI B31.7 1969 Ed. 1970 Add
====	essessessessessessessessessessessessess	
Nama TD (e of Manufacture	Laced: N/A
11 CILL	s of Manaraccarci	
Ser	ial No. Nat'l. I	3d. Jurist No. Other Year Built ASME Code Stamp'd.?
Orio	ginal Const. Code	Edition Addenda, Code Class
Code	e Cases:	
Mama Th (or Repracement: _	1MSE64 Condensate Chamber Connex Pipe System
434	74 N/A	N/A N/A 1993 NO
	ial No. Nat'l. H	3d. Jurist No. Other Year Built ASME Code Stamp'd.?
	lacement Const. (Code: ASME III 1989 Edition 1989 Addenda, Code Class 2
code	e Cases: <u>N/A</u>	ANSI B31.7 1969 Ed. 1970 Add
==		

FORM NR-1	REPORT OF REPAIR O NUCLEAR COMPON	☐ MODIFICATION NENTS AND SYSTE	⊠ OR INSTALL MS IN NUCLEAR	ATION OF REP	LACEMENT NTS Page 1	(S) 🗆 . of 2
ork performed by Pub	olic Service Elect	ric & Gas Co	- Nuclear Dep	t. CJP #	#PS93-077	
, ,		(nam	e)		ion's P.O. no., job	. no.,etc.)
	wood Road, Hancoo	(addre	08038 ess)			
2. Owner Public Ser	vice Electric and					
Foot of Button	wood Road, Hancoo		08038			
3. Name, address and identific			ar Generatin	g Station (Jnit #1	
36 Ob	wood Road, Hancoo	cks Bridge, NU	08038	<u>N</u>	Tuclear Cl	acc TT
4. System Main Stea 5. a: Component repaired, mo		. 1MSE66. 1MSE6	7. 1MSE68 Co			<u>ass II</u>
	Connex Pipe Sys		., 12000 00	racibate ar	<u>ander D</u>	
c: Identifying nos. See			N/A	N/A	199	3
(mfr's. s	serial no.) (Nat'l.Bd.N	o.) (jurisdictional	no.)	(other)	(y	rear built)
d: Construction Code _Se	e Attachment_	N/A	N	/A	II	
	(edition)	(addenda)		Case(s))	(Code C	
6. Section XI	1983	Summer 8				N/A
· ·	edition)	(adde	•	1002	(Code Case	
7. Applicable edition of ASME	Code Section XI under which	repairs, modifications, of	replacements were i	made: <u>1983</u> (edition)	S83 (addenda)	N/A (Code Case(s))
8. Applicable edition of Constru	action Code under which ren	airs modifications or reol	acements were made		1989	N/A
o. Applicable collisis		NSI B31.7 1969		·	(addenda)	(Code Case(s))
9. Design responsibilities PS	•			- , ,	,	. , , , , ,
10. Tests conducted: hydrostation		design pressure **	pressure 1400	psi Code Case	e(s) N/A	
Description of workIn	stalled new conde	ensate chambers	for #13 main	steam heade	r.	
		(use of additional sheet(s) or	sketch(es) is acceptable	e if properly identified)		
Mork Ond	er #: 930810099		Poficionar	Donort #. N		
_	hange Package #:	1FC-3256 Pkg 1	perioretica	Report #: N	/A	
	ched pages for De		nlacement			
	Inservice Test		p. N/A / NOT	· · · · · · · · · · · · · · · · · ·		
27200	HECTVICE TOO	100	0. 1011 / 1101			
		CERTIFICATE OF CO	MPLIANCE			
We certify that the statements m	ade in this report are correc	t and the repair, modificati	on or replacement of	the items described	d above conform	s to Section XI
of the ASME Code and the Natio	· ·	•	•			
Certificate of Authorization по		"NR" stamp expires O	ct. 3, 194	<u>4</u> .		
	PSE&G Co.	-Nuclear Dept.			Principa	l Enor.
Date 1-24 19, 94.	. Signed	pair organization)	(authori:	zed representative)		(title)
		— — — — — — — — — — — — — — — — — — —	(adirion)			(title)
		CERTIFICATE OF INS	PECTION			
, the undersigned, holding a vali he state or province of Net	-		and Pressure Vessel right Mutual			etency issued by
	ted the repair, modification of			<u>/-/9</u> , 19		ite that to the
est of my knowledge and belief						
Pard rules as defined in the put						
	g the repair, modification or r		•			iployer shall be
in any manner for any pers	sonal injury or property dama	age or a loss of any kind a	rising from or connec	ted with this inspect Factory Mut		Δeen
Date 1-24 1994	Signed James G.	Col	Commissions ^		A $N537)$	
				y y 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u>, : , , , , , , , , , , , , , , , , </u>	

(Natl.Bd.No.(including endorsements) state or province and number)

FORM NR-1 ATTACHMENT Code Job Package No.: PS93077

2.	Work performed by: Owner:	Public Service Electric & Gas Co., Nuclear Dept. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Public Service Electric & Gas Co.
3.	Location:	Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Salem Nuclear Generating Station Foot of Buttonwood Road, Hancocks Bridge, NJ 08038
4.	System: <u>Main Steam</u>	Nuclear Class: _II
Nam <u>434</u> Ser Ori	e of Manufacturer: 71	ment: 1MSE65 Condensate Chamber Connex Pipe System N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? SME III 1989 Edition 1989 Addenda, Code Class 2 NSI B31.7 1969 Ed. 1970 Add
Nam <u>434</u> Ser Rep Cod	e of Manufacturer: _0 72	E66 Condensate Chamber Connex Pipe System N/A N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? : ASME III 1989 Edition 1989 Addenda, Code Class 2 ANSI B31.7 1969 Ed. 1970 Add
ID Nam	of Component Replaced e of Manufacturer: ial No. Nat'l. Bd.	d: <u>N/A</u>
Cod ID Nam 434 Ser Rep	e Cases: of Replacement: _1MSI e of Manufacturer: _0 73	E67 Condensate Chamber Connex Pipe System N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? : ASME III 1989 Edition 1989 Addenda, Code Class 2 ANSI B31.7 1969 Ed. 1970 Add
Nam Ser Ori	of Component Replaced e of Manufacturer: ial No. Nat'l. Bd. ginal Const. Code: e Cases:	Jurist No. Other Year Built ASME Code Stamp'd.?
Nam <u>434</u> Ser	e of Manufacturer: _0 74	N/A N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.?

FORM NR-1 REPORT OF REPAIR ☐ MODIFICATION MOR INSTALLATION OF REPLACEMENT(S) ☐ TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS ork performed by __ Public Service Electric & Gas Co. - Nuclear Dept. CJP #PS93-078 (repair organization's P.O. no., job. no., etc.) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 (address) Public Service Electric and Gas Co. 2 Owner (name) Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 (address) Salem Nuclear Generating Station Unit #1 3. Name, address and identification of nuclear power plant Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Nuclear Class II 4. System Main Steam 5. a: Component repaired, modified or replaced 1MSE69, 1MSE70, 1MSE71, 1MSE72 Condensate Chambers b: Name of manufacturer <u>Connex Pipe Systems</u> 1993 c: Identifying nos. See Attachment N/A (year built) (mfr's. serial no.) (Natl.Bd.No.) (jurisdictional no.) (other) d: Construction Code See Attachment TT N/A (edition) (addenda) (Code Case(s)) (Code Class) 1983 Summer 83 Section XI (edition) (addenda) (Code Case(s)) 7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: <u>1983</u> S83 (edition) (addenda) (Code Case(s)) 8. Applicable edition of Construction Code under which repairs, modifications, or replacements were made: _ *1989 1989 *ASME III/ANSI B31.7 1969 Ed. 1970 Add. (edition) (addenda) (Code Case(s)) 9. Design responsibilities PSE&G 10. Tests conducted: hydrostatic 🛛 🔀 pneumatic [design pressure | | 1400 psi Code Case(s)_ escription of work _ Installed new condensate chambers for #14 main steam header. (use of additional sheet(s) or sketch(es) is acceptable if properly identified) Work Order #: 930810099 Deficiency Report #: N/A 12. Remarks: _ Design Change Package #: 1EC-3256 Pkg. 1 See attached pages for Description of Replacement. **System Inservice Test CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994 PSE&G Co.-Nuclear Dept. Principal Engr. Date /-24_19, 75. Signed_ (title) (repair organization) **CERTIFICATE OF INSPECTION** I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and certificate of competency issued by the state or province of New Jersey and employed by Arkwright Mutual Insurance Co MA have inspected the repair, modification or replacement described in this report on_ and state that to the best of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the ASME Code and the National rules as defined in the publication NB-102, current edition. By signing this certificate, neither the Inspector nor his employer makes any warranty, sed or implied, concerning the repair, modification or replacement described in this 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 1-24, 1994 Signed James 7. Conf. Commissions NB 5894 FNA NJ373

(Natl.Bd.No.(including endorsements)state or province and number)

2. Owner: 3. Location:	Public Service Electric & Gas Co., Nuclear Dept. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Public Service Electric & Gas Co. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Salem Nuclear Generating Station Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Nuclear Class: II
ID of Component Replace Name of Manufacturer: 43471 N/A Serial No. Nat'l. Bd. Original Const. Code: A	ment: <u>1MSE69 Condensate Chamber</u> Connex Pipe System
ID of Replacement: <u>1MS</u> Name of Manufacturer: <u>43472</u> N/A Serial No. Nat'l. Bd. Replacement Const. Code	E70 Condensate Chamber Connex Pipe System
re of Manufacturer:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement: <u>1MS</u> Name of Manufacturer: <u>43473</u> <u>N/A</u> Serial No. Nat'l. Bd. Replacement Const. Code	E71 Condensate Chamber
Name of Manufacturer:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement: _ <u>1MS</u> Name of Manufacturer:43474	Connex Pipe System N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? ASME III 1989 Edition 1989 Addenda, Code Class 2

FORM NR-1 REPORT OF REPAIR MODIFICATION OR INSTALLATION OF REPLACE TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS	Page 1 of 2
ork performed by Public Service Electric & Gas Co Nuclear Dept. CJP #PSS	93-079
(name) (repair organization's F Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	P.O. no., job. no.,etc.)
2. Owner Public Service Electric and Gas Co. (address)	
Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	
(address) 3. Name, address and identification of nuclear power plant <u>Salem Nuclear Generating Station Unit</u> Foot of Buttonwood Road, Hancocks Bridge, NJ 08038	: #1
	lear Class II
5. a: Component repaired, modified or replaced 1C-MSG-2532A&B, 1C-MSG-2533A&B Supports	
b: Name of manufacturer PSE&G	
c: Identifying nos. N/A N/A N/A N/A	1993
(mfr's. serial no.) (Nat'l.Bd.No.) (jurisdictional no.) (other)	(year built)
d: Construction Code See Attachment N/A N/A N/A (Oct Construction)	II (Cada Class)
(edition) (addenda) (Code Case(s)) 6. Section XI 1983 Summer 83	(Code Class) N/A
(edition) (addenda)	(Code Case(s))
7. Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: 1983 SE	
· · · · · · · · · · · · · · · · · · ·	addenda) (Code Case(s))
· · · · · · · · · · · · · · · · · · ·	970 N/A
	idenda) (Code Case(s))
9. Design responsibilities PSE&G	
10. Tests conducted: hydrostatic pneumatic design pressure ** pressure N/A psi Code Case(s)	
11. Description of work	er.
(use of additional sheet(s) or sketch(es) is acceptable if properly identified)	
12 Remarks: Work Order #: 930810091 Deficiency Report #: N/A	
Design Change Package #: 1EC-3256 Pkg. 1	
See attached pages for Description of Replacement.	
**No Preservice Required Temp. N/A	
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the items described above of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. Certificate of Authorization no. 36 to use the "NR" stamp expires Oct. 3, 1994. PSE&G CoNuclear Dept. Preserved.	ve conforms to Section XI
Date 1-3 19, 17 Signed Ashering	
(repair organization) (authorized representative)	(title)
CERTIFICATE OF INSPECTION	
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and certificate the state or province of	and state that to the Code and the National nakes any warranty, nor his employer shall be
(Inspector) (Natl.Bd.No.(including endorsements)state or province and number)

Code Job Package No.: <u>PS93079</u>

	Public Service Electric & Gas Co., Nuclear Dept. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Public Service Electric & Gas Co. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Salem Nuclear Generating Station Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Nuclear Class: II
Name of Manufacturer:	l: <u>N/A</u>
	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
Name of Manufacturer: <u>FN/A N/A</u> Serial No. Nat'l. Bd. Replacement Const. Code:	SG-2532 A&B Supports SE&G N/A N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? ANSI B31.7 1969 Edition 1970 Addenda, Code Class II PS Spec S-C-MB00-MDS-043 1985
re of Manufacturer:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
Name of Manufacturer: <u>F</u> N/A N/A Serial No. Nat'l. Bd. Replacement Const. Code:	SG-2533 A&B Supports SE&G N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? ANSI B31.7 1969 Edition 1970 Addenda, Code Class II PS Spec S-C-MBOO-MDS-043 1985
Serial No. Nat'l. Bd. Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp d.? Edition Addenda, Code Class
ID of Replacement: Name of Manufacturer:	
lacement Const. Code:	Jurist No. Other Year Built ASME Code Stamp d ? EditionAddenda Code Class

FGRM NR	TO NUCLEAR C	REPAIR MOI COMPONENTS	DIFICATION I OR AND SYSTEMS IN I	INSTALLATION OF RE	PLACEMENT(S) ANTS Page 1 of 2
rk performed by	Public Servi	ce Electric	& Gas Co Nuc	clear Dept. CJ	P #PS93-080
Foot of Bu	ttonwood Road	, Hancocks B	ridge, NJ 0803		ation's P.O. no., job. no.,etc.)
2. Owner Public	Service Elec	tric and Gas			
Foot of Bu	ttonwood Road	, Hancocks B		88	
3. Name, address and iden	ntification of nuclear po			enerating Station	Unit #1
4. System Main		, imicocas b	11age, 10 0001		Nuclear Class II
5. a: Component repaired		1C-MSG-253	4A&B 1C-MSG-25	33A&B Supports	Nuclear Class II
b: Name of manufacture	DOTTO	TC FDG 200	TAME, IC FEE 23	DUNAL BUPPOLLS	
c: Identifying nos.	Ÿ	N/A	N/A	N/A	1993
· -	fr's. serial no.)	(Nat'l.Bd.No.)	(jurisdictional no.)	(other)	(year built)
d: Construction Code	•	•	/A	N/A	II
	(edition)	(adden	da)	(Code Case(s))	(Code Class)
6. Section XI	1983		Summer 83		N/A
	(edition)		(addenda)		(Code Case(s))
7. Applicable edition of AS	ME Code Section XI u	nder which repairs, i	modifications, or replacer	ments were made: <u>1983</u>	S83N/A
				(edition)	(addenda) (Code Case(s))
8. Applicable edition of Co					1970N/A
0.00		331.//PS Spec	C S-C-MBOO-MDS-	·043, 1985 (edition)	(addenda) (Code Case(s))
9. Design responsibilities	PSE&G		ressure ☐ **pressur	m N/A sai Cada Ca	ase(s) N/A
 Tests conducted: hydros Description of work 				re <u>N/A</u> psi Code Ca on #12 main steam	·····
11. Description of work) is acceptable if properly identified	
		,		, · <u>· · · · · · · · · · · · · · · · · ·</u>	,
	Order #: 9308			ficiency Report #	:_N/A
	gn Change Pacl				
			otion of Replac		
**No	Preservice Re	equired	Temp. N	OT	
		CERTIF	ICATE OF COMPLIAN	CE	
•	•		·		ed above conforms to Section XI
of the ASME Code and the I	2.0	· ·			
Certificate of Authorization n	1036	to use the "NR" star	mp expires	3, ₁₉ 94	
Date / - 3 19, 9	⊮ Signed PS	SE&G CoNuc]	lear Dept.	ISh i in	Principal Engr.
<u>/</u>		(repair organiza	ation)	(authorized representative)	(title)
		CERTIF	ICATE OF INSPECTION	ON .	
			B 1 (B "		
, the undersigned, holding a he state or province of	New Jersey			sure vessei inspectors, and c t Mutual Insurance	ertificate of competency issued by
			nent described in this rep		9 93 and state that to the
		•	•		ASME Code and the National
•				ther the Inspector nor his emp	
sed or implied, conce	rning the repair, modif	ication or replaceme	nt described in this repor	t. Furthermore, neither the In	spector nor his employer shall be
any manner for any	personal injury or pror	perty damage or a lo	ss of any kind arising from	m or connected with this inspe	ection

(Inspector)

Factory Mutual Engr. Assn.

(Natl.Bd.No.(including endorsements)state or province and number)

Commissions NBS894 INA NJ373

	•
Work performed by:	Public Service Electric & Gas Co., Nuclear Dept. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038
2. Owner:	Public Service Electric & Gas Co. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038
3. Location:	Salem Nuclear Generating Station Foot of Buttonwood Road, Hancocks Bridge, NJ 08038
4. System: <u>Main Steam</u>	Nuclear Class: _II
ID of Component Replaced Name of Manufacturer:	d: <u>N/A</u>
Serial No. Nat'l. Bd. Original Const. Code: Code Cases:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement: <u>1C-N</u>	ISG-2534 A&B Supports
Replacement Const. Code: Code Cases: <u>N/A</u>	N/A N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? ANSI B31.7 1969 Edition 1970 Addenda, Code Class II PS Spec S-C-MBOO-MDS-043 1985
	l: <u>N/A</u>
Serial No. Nat'l. Bd. Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement: <u>1C-M</u>	ISG-2535 A&B Supports
Replacement Const. Code:	N/A N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? ANSI B31.7 1969 Edition 1970 Addenda, Code Class II PS Spec S-C-MBOO-MDS-043 1985
ID of Component Replaced Name of Manufacturer:	l:
Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement:	
lacement Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class

FORM NR-1 REPORT OF REPAI TO NUCLEAR COMP	R □ MODIFICATION Ø O ONENTS AND SYSTEMS I	R INSTALLATION OF REP N NUCLEAR POWER PLA	LACEMENT(S) NTS Page 1 of 2
ork performed by Public Service Ele	(name)	(repair organizat	#PS93-081 tion's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hand		38	
2. Owner Public Service Electric a	(address)		
Total of Bull annual Bull	(name)		
Foot of Buttonwood Road, Hand		38	
3. Name, address and identification of nuclear power pla	(address) Salem Nuclear	Generating Station	Unit #1
Foot of Buttonwood Road, Hand			
4. System Main Steam			Nuclear Class II
5. a: Component repaired, modified or replaced 1C-N	ISG-2562A&B, 1C-MSG-2	563A&B Supports	
b: Name of manufacturer PSE&G			
c: Identifying nos. N/A N/	<u>'A N/A</u>	N/A	1993
(mfr's. serial no.) (Nat'l.B	· · · · · · · · · · · · · · · · · · ·	(other)	(year built)
d: Construction Code See Attachment	N/A	N/A	II (On de Olere)
(edition) 6. Section XI 1983	(addenda) Summer 83	(Code Case(s))	(Code Class) N/A
6. Section XI	(addenda)		(Code Case(s))
7. Applicable edition of ASME Code Section XI under wh	,	cements were made: 1983	S83 N/A
7.7 pp. lead to delice to the content of the conten		(edition)	(addenda) (Code Case(s))
8. Applicable edition of Construction Code under which	epairs, modifications, or replacem	ents were made: <u>*1969</u>	
*ANSI B31.7/	'PS Spec S-C-MB00-MDS	-043, 1985 (edition)	(addenda) (Code Case(s))
9. Design responsibilities PSE&G			
	design pressure [** pres		
11 Description of work Installed support		s on #13 main steam l	
	(use of additional sheet(s) of sketch	i(es) is acceptable if properly identified)	
12. Remarks: Work Order #: 930810099	D	eficiency Report #: 1	N/A
Design Change Package #			
See attached pages for			
**No Preservice Require	d Temp.	N/A	
	CERTIFICATE OF COMPLI	ANCE	
We certify that the statements made in this report are corr	ect and the repair, modification or	replacement of the items described	d above conforms to Section XI
of the ASME Code and the National Board rules as define			
Certificate of Authorization no. 36 to use	the "NR" stamp expires Oct.	3, ₁₉ 94	
Date /- ? 19, 9 4. Signed PSE&G C	oNuclear Dept.		Principal Engr.
	repair organization)	(authorized representative)	(title)
	OFFITIEIOATE OF INOREO	TION	<u></u>
	CERTIFICATE OF INSPEC	HON	
, the undersigned, holding a valid commission issued by			
the state or province of <u>New Jersey</u> and en of MA <u>have inspected the repair, modification</u>		ht Mutual Insurance (report on //-// 19	
best of my knowledge and belief, this repair, modification			
Beard rules as defined in the publication NB-102, current	•		
sed or implied, concerning the repair, modification			-
in any manner for any personal injury or property da	•		
124 01			tual Engr. Assn.
Date 1-24 , 19 <u>74</u> . Signed Jimes E		Commissions NB 5894 IN	
/	(Inspector)	(Nati.Bd.No.(Including endorse	ements)state or province and number)

 Owner: Location: System: <u>Main Steam</u> 	Public Service Electric & Gas Co., Nuclear Dept. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Public Service Electric & Gas Co. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Salem Nuclear Generating Station Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Nuclear Class:
ID of Component Replaced	1: <u>N/A</u>
Original Const. Code: _	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement: <u>1C-N</u> Name of Manufacturer: I	MSG-2562 A&B Supports PSE&G
Replacement Const. Code:	MSG-2562 A&B Supports PSE&G N/A N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? ANSI B31.7 1969 Edition 1970 Addenda, Code Class II PS Spec S-C-MBOO-MDS-043 1985
ID of Component Replaced	d: <u>N/A</u>
Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement: <u>1C-M</u>	ISG-2563 A&B Supports
Name of Manufacturer: <u>I</u> N/A N/A	M/λ M/λ 1002 M_{\odot}
Serial No. Nat'l. Bd. Replacement Const. Code: Code Cases: <u>N/A</u>	Jurist No. Other Year Built ASME Code Stamp'd.? ANSI B31.7 1969 Edition 1970 Addenda, Code Class II PS Spec S-C-MBOO-MDS-043 1985
	l:
Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement:	
acement Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
=======================================	

, _′	ORM	NR-1 REPO	RT OF REP	AIR MIPONENT	ODIFIC S AND	ATION 🖟 O SYSTEMS II	R INSTALL	ATION OF REI	PLACEMENT NTS Page	(S) [] 1 of 2
prk perfori	med by	Public	Service F	Plectric	. ƙ. Cas	Co - Nu	clear Der	ot. CJP	#P\$93-082	
on penen	inca oy		<u> </u>	<u> </u>	<u> </u>	(name)	OTCHE DEL		ation's P.O. no., job	. no.,etc.)
Foot	of I	Buttonwood	l Road, Ha	ncocks	Bridge	, NJ 080 (address)	38			
2. Owner]	Publ:	ic Service	Electric	and Ga	s Co.					
Foot	of I	<u>Buttonwood</u>	l Road, Ha	ncocks	<u>Bridge</u>	(name) NU 080 (address)	38			
			f nuclear power			Nuclear		ng Station	Unit #1	
FOOL			l Road, Ha	Incocks	Briage	, 100 080	38		Nuclear C	lass TT
5. a: Compone	ent repa	aired, modified o	or replaced 10	-MSG-25	64A&B,	1C-MSG-2	565A&B <i>S</i> u		madrati o	2000 22
		acturer PS								
c: Identifying	g nos.	N/A		N/A		N/A	<u> </u>	N/A	199	93
		(mfr's, serial no		'l.Bd.No.)	-	isdictional no.)		(other)		year built)
d: Construc	tion Co		tachment		N/A			<u>I/A</u>	II	
			ition)	(ad	denda)		(Code	e Case(s))	(Code (Class) N/A
6. Section XI		198 (edition)	<u>.3 </u>		<u>Su</u>	mmer 83 (addenda)			(Code Cas	
7 Applicable o	dition o	• •	Section XI under	which recai	ire modific		cements were	made: <u>1983</u>	S83	N/A
7. Applicable e	CILION C	AONE OUGE	ection XI dilder	Willow Tepai	13, 111001110	alions, or repla	ooments were	(edition)	(addenda)	(Code Case(s))
8. Applicable e	dition a	f Construction C	ode under which	ch repairs, m	odification	s, or replaceme	ents were made		1970	N/A
			NSI B31.7						(addenda)	(Code Case(s))
9. Design respo	onsibilit	ies <u>PSE&G</u>								· · · · · · · · · · · · · · · · · · ·
10. Tests conduc			pneumatic					psi Code Ca		
escription of	of work	Instal	Tea subbo					main steam		
				(use o	audilloriais	ineel(s) or skelct	(es) is acceptable	e if properly identified	,	
12. Remarks: _	Wor	k Order #	: 9308161	.00		D	eficiency	Report #:	N/A	
			e Package						· · · · · · · · · · · · · · · · · · ·	
			pages fo		iption					
	**]	lo Preserv	rice Requi	red		Temp.	N/A			
				CER	TIFICATE	OF COMPLI	ANCE			
We certify that th	he state	ments made in	this report are (correct and t	he renair i	nodification or	replacement of	the items describe	ed above conform	ns to Section XI
of the ASME Co			·		•		•	and norme decompo	, a a a a a a a a a a a a a a a a a a a	15 15 55511511 71
Certificate of Aut				-		ires Oct.	_			
				CoNu					Principa	al Encor
Date / - 3	19,	<u>94</u> . Signe	d			———	11/	ululi.		
				(repair orga	anization)		(autnori	zed representative)		(title)
				CEF	RTIFICATE	OF INSPEC	TION			
I, the undersigne	ed, hold	ing a valid comr	nission issued l	by The Natio	nal Board	of Boiler and P	ressure Vessel	Inspectors, and co	ertificate of comp	etency issued by
the state or provi		New Je		employed b				Insurance		
ofMA			repair, modifica							ate that to the
•	_		•					h Section XI of the		
								pector nor his emp		
•	•							ore, neither the Ins ted with this inspe		inproyer shall be
uses in any man	merior	any personal in	jury or property	Jamaye of	a 1035 UI di	iy niilu arisiirig	HOLLI OF COURSE	Factory Mu		. Assn.
Date /-24	/ 19	94 . Signe	d Ouman	E. Cor	-	(Commissions A	UB 5894 IN		,
	···		1	(Inspector	·)			.No.(including endors		ovince and number)

Code Job Package No.: <u>PS93082</u>

2. Owner:3. Location:	Public Service Electric & Gas Co., Nuclear Dept. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Public Service Electric & Gas Co. Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Salem Nuclear Generating Station Foot of Buttonwood Road, Hancocks Bridge, NJ 08038 Nuclear Class:II
ID of Component Replaced Name of Manufacturer:	d: <u>N/A</u>
Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement: <u>1C-I</u> Name of Manufacturer: <u>1</u> N/A N/A Serial No. Nat'l. Bd. Replacement Const. Code Code Cases: N/A	MSG-2564 A&B Supports PSE&G N/A N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? : ANSI B31.7 1969 Edition 1970 Addenda, Code Class II PS Spec S-C-MBOO-MDS-043 1985
ID of Component Replaced	d: <u>N/A</u>
Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
ID of Replacement: <u>1C-Name of Manufacturer: landade N/A N/A</u> Serial No. Nat'l. Bd. Replacement Const. Code: Code Cases: N/A	MSG-2565 A&B Supports PSE&G N/A N/A 1993 No Jurist No. Other Year Built ASME Code Stamp'd.? ANSI B31.7 1969 Edition 1970 Addenda, Code Class II PS Spec S-C-MBOO-MDS-043 1985
ID of Component Replaced	d:
Original Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class
acement Const. Code:	Jurist No. Other Year Built ASME Code Stamp'd.? Edition Addenda, Code Class

TO NUCLEAR COMPONE	NIS AND SYSTEMS IN	NUCLEAR POWER PLA	Page 1 of 1
ork performed by Public Service Electron	ic & Gas Co Nucl	_	#PS93-083 Rev. 0 ation's P.O. no., job. no.,etc.)
Foot of Buttonwood Road, Hancock	s Bridge, NJ 08038	-	ation's P.O. no., job. no., etc.,
2. Owner _ Public Service Electric and ((address)		
	(name)		
Foot of Buttonwood Road, Hancock	s Bridge, NJ 08038 (address)	3	
3. Name, address and identification of nuclear power plant		enerating Station	Unit #1
4. System <u>Pressurizer Relief Tank Line</u>	e Support		Nuclear Class II
5. a: Component repaired, modified or replaced Pipe Su			
b: Name of manufacturer	_		Installed 1975
(mfr's. serial no.) (Nat'l.Bd.No.)	(jurisdictional no.)	(other)	(year built)
d: Construction Code <u>Specification</u> 69-644		None	II
(edition) 6. Section XI 1983	(addenda)	(Code Case(s))	(Code Class)
6. Section XI 1983 (edition)	Summer 83 (addenda)		(Code Case(s))
7. Applicable edition of ASME Code Section XI under which re	, ,	ments were made: 1983	S83 N/A
		(edition)	(addenda) (Code Case(s))
8. Applicable edition of Construction Code under which repairs			
9. Design responsibilities PSE&G	*Spec 696445 1974	(edition)	(addenda) (Code Case(s))
	esign pressure ** pressur	re <u>N/A</u> psi Code Ca:	se(s) None
Description of work <u>Modify pipe support</u>			
		s) is acceptable if properly identified)
	<u></u>		
12. Remarks: Work Order #: 931007147	Def	iciency Report #:]	None
Design Change Package #: 11	EC-3054-2 Rev. 0		
See attached pages for Desc	-		
**N/A	Temp. N/	A	
С	ERTIFICATE OF COMPLIAN	ICE	
	m1111111111111111111111111111111111111		
We certify that the statements made in this report are correct an	d the repair, modification or rep	placement of the items describe	ed above conforms to Section XI
of the ASME Code and the National Board rules as defined in the	· · · · · · · · · · · · · · · · · · ·		
	IR" stamp expires Oct. 3	, 19 <u>74</u>	
Date 3" - 23 19, // Signed	Nuclear Dept.	Shulul	Principal Engr.
(repair	organization)	(authorized representative)	(title)
C	ERTIFICATE OF INSPECTIO	ON	
, the undersigned, holding a valid commission issued by The Na	etional Roard of Boiler and Pres	seure Vessel Inspectors, and ce	ertificate of competency issued by
he state or province of <u>New Jersey</u> and employe			
of MA have inspected the repair, modification or re	eplacement described in this rep	port on <u>12-28</u> , 19	93 and state that to the
pest of my knowledge and belief, this repair, modification or repl			
rules as defined in the publication NB-102, current edition			
sed or implied, concerning the repair, modification or repl on any manner for any personal injury or property damage			
•			tual Engr. Assn.
Date 3-25 , 1974 . Signed James 6. (Inspe	colCor	mmissions <u>NB5894 IN</u>	
/ (Inspe	ctor)	(Natl.Bd.No.(including endorse	ements)state or province and number)

FORM NR-1 REPORT OF REPAIR $\ \square$ MODIFICATION $\ \square$ OR INSTALLATION OF REPLACEMENT(S) $\ \square$

FORM NR-1 REPORT OF REPAIR ☐ MODIFICATION ☐ OR INSTALLATION OF REPLACEMENT(S) ☐ TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 1

ork performed by P	ublic Service	Electric	& Gas Co.	- Nuclear Dep	t. CJP	#PS93-088	Rev.0
			(nar			ion's P.O. no., job	. no.,etc.)
Foot of Butt	onwood Road,	Hancocks	<u>Bridge, NJ</u>	08038			
			(add	ress)			
2. Owner Public S	ervice Electr	ric and Ga					
Foot of Butt	onwood Road,	Uangogle	(nar Prido N T	•			
FOOL OI BUCK	onwood Road,	naticucks	(add				
3. Name, address and identi	ification of nuclear pov	ver plant	•	ear Generatin	g Station 1	Unit #1	-
	onwood Road,				g Buderon	01110 111	
4. System Control						Nuclear C	lass II
5. a: Component repaired, r		Pipe Supp	ort P-CTAG-	-660			
b: Name of manufacturer							
c: Identifying nos. N/	A	N/A		N/A	N/A	19'	74
(mfr's	s. serial no.) (Nat'l.Bd.No.)	(jurisdiction	al no.)	(other)	()	year built)
d: Construction Code	69-6445/SG-SM	FD-1	N/A	N	one	II	
	(edition)	(add	denda)	(Code	Case(s))	(Code (Class)
6. Section XI	1983		Summer	83			_N/A
	(edition)		•	lenda)		(Code Case	
Applicable edition of ASM	E Code Section XI un	der which repai	rs, modifications, o	or replacements were n		_ <u>S83</u>	<u>N/A</u>
- A III III III			ne		(edition)	(addenda)	(Code Case(s))
8. Applicable edition of Cons	struction Code under v	•	•			N/A	None (Code Case(s))
O Docian rooppaibilities	DCECC	~5	-C-MBOO-MDS	-043	(edition)	(addenda)	(Code Case(s))
 Design responsibilities Tests conducted: hydrosta 		c desig	in pressure	* pressure N/A	psi Code Case	e(s) None	
11. Description of work				•	psi oode oas	5(3) <u>11011C</u>	
The Bodon phone of Work	Nopiase E mas			r sketch(es) is acceptable	if properly identified)		
		•					
	rder #: 93061			-	Report #: 1	None	
	Change Packa						
	tached pages	for Descr	_		N/A		
**			.1.6	mp. N/A			
		050		MEDITANOF			
		CEH	TIFICATE OF CO	MPLIANCE			
Ma soutify that the statement	. mada ia this vassat s		o ropair madifica	tion or raplacement of t	tha itama dagarihaa	l abous senfarm	na to Soction VI
We certify that the statements of the ASME Code and the Na	·		· ·		me nems described	above comoni	is to Section XI
Certificate of Authorization no		•	stamp expires		4		
Certificate of Additionization no				, 102	-		
Date 2 - 25 19, 99	/ . Signed PSE	&G CoNu	clear Dept.	1 the	liele	Principa	il Engr.
		(repair orga	nization)	(authoriz	ed representative)		(title)
							
		CER	TIFICATE OF IN	SPECTION			
I, the undersigned, holding a	_						etency issued by
•	New Jersey a			wright Mutual			
	ected the repair, modi				2-2) 19_		ate that to the
best of my knowledge and bel							
Board rules as defined in the p							
ssed or implied, concern any manner for any po							ipidyer shall be
		ity damage of a		anang nom or comect	Factory Mu		. Assn.
Date 7-25 , 1994	. Signed (Lim	14 9. Co		Commissions	BS894 INA	NJ 373	
114	7	(Inspector))		No (including endorse	ments)state or pro	vince and number)
		1					