

Carolina Power and Light Company

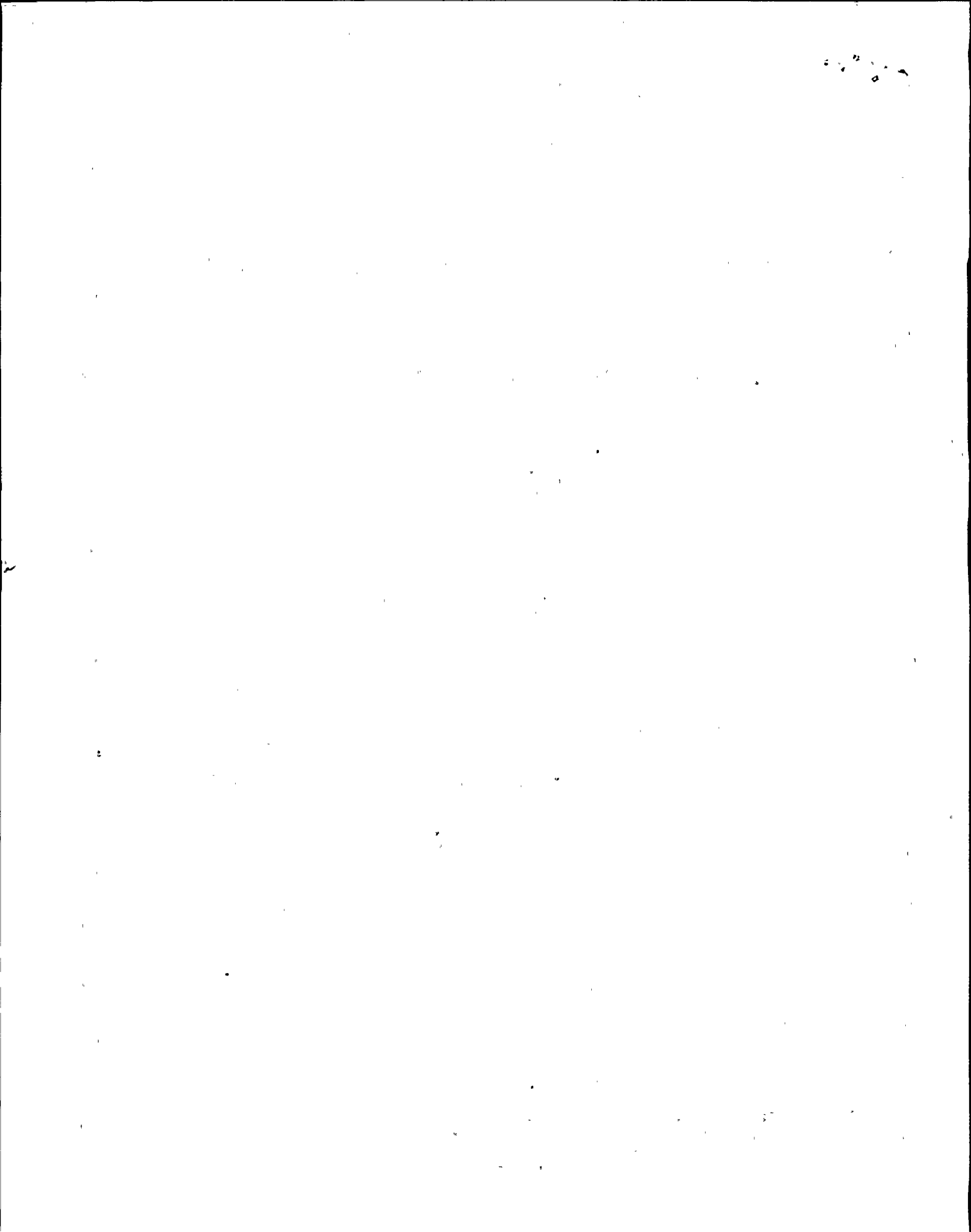
Harris Nuclear Power Plant

ISI Program Plan

2nd Interval

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CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

HNP ISI Program Plan - 2nd Interval

HNP-ISI-002

Revision 0

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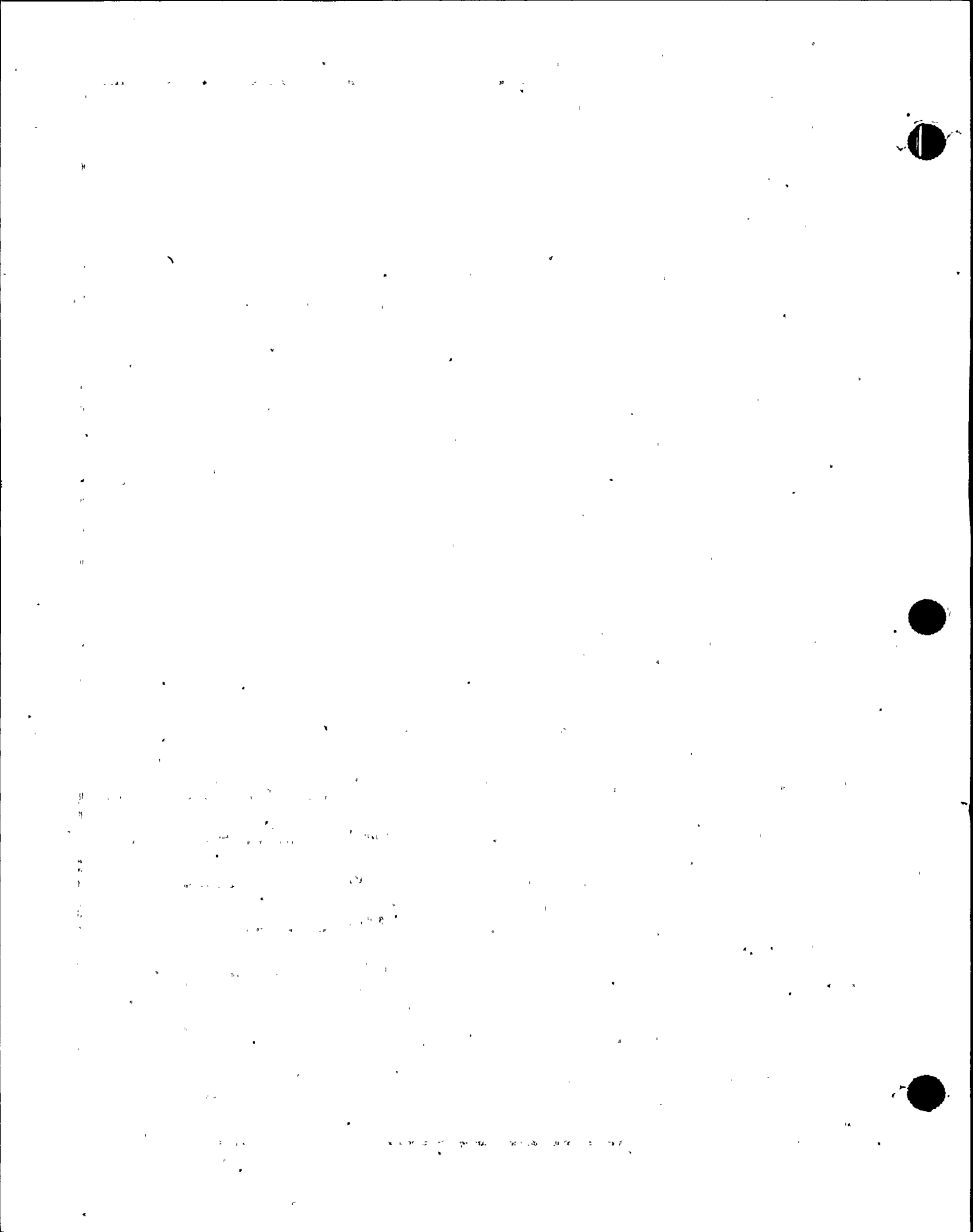
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**Carolina Power & Light Company
Shearon Harris Nuclear Plant
HNP ISI Program Plan - 2nd Interval
HNP-ISI-002
(Revision 0)**

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**Carolina Power & Light Company
Shearon Harris Nuclear Plant
HNP ISI Program Plan - 2nd Interval
HNP-ISI-002
(Revision 0)**

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**Carolina Power & Light Company
Harris Nuclear Plant
Inservice Inspection Plan
Second 10-Year Interval
(Revision 0)**

Introduction

This document describes the Inservice Inspection Program Plan for the Second 10-Year Interval at Harris Nuclear Plant. This Plan was developed in accordance with the requirements of ASME Section XI, 1989 Edition with no Addenda (89 Code). Where portions of other Codes are implemented, as allowed by 10CFR50, those specific Codes are listed in Summary of HNP Second 10-Year Interval Code References table in this Introduction section. The HNP Inspection Intervals comply with the requirements of Inspection Program B as described in IWA-2432. In addition to the requirements of ASME Section XI, augmented inspections have been incorporated into the Plan to meet the requirements of additional plant commitments, such as the FSAR, Regulatory Guides, NUREGs, Bulletins, and Notices. This Plan is controlled and revised in accordance with the requirements of ISI-100 "Control of Inservice Inspection Activities". This Plan will become effective on Feb. 2, 1998, and will end on May 1, 2007. The Inspection Period dates are as follows:

First Inspection Period: Feb. 2, 1998 to May 1, 2001

Second Inspection Period: May 2, 2001 to May 1, 2004

Third Inspection Period: May 2, 2004 to May 1, 2007

As permitted by ASME Section XI, the inspection periods and the inspection interval may be decreased or extended by as much as one year.

Position Statements have been written to document and clarify HNP positions related to specific Program issues. These Statements are located in Section 2 of this document. Applicable Program Regulatory Guides have been listed and descriptions of Program impact stated. The Regulatory Guides Listing is located

in Section 3 of this document. Of particular importance is Regulatory Guide 1.147 which grants permission to use ASME Code Cases on a generic basis. HNP may utilize any Code Case approved in Regulatory Guide 1.147. As these Code Cases are used, the list of Code Cases in this Plan will be updated. Augmented Program commitments have been listed and a specific Commitment Description stated for each. The Augmented Commitments are located in Section 4 of this document. Code Cases that have been selected for use are listed and the ISI Program applicability stated. The Code Cases are located in Section 5 of this document. Applicable Program Code Interpretations have been listed and descriptions of Program impact stated. Code Interpretations are located in Section 6 of this document. A narrative of all proposed Program Relief Requests has been included, followed by each specific Request, as submitted. The Relief Requests are located in Section 7 of this document. Examination Tables are located in Section 8c and sorted by Examination Category and Item Number.

Inservice Inspection Program Boundary

The ASME Code Section XI Class 1, 2 and 3 boundaries were developed employing the classification guidelines contained in 10CFR50.2 for Quality Group A items (Code Class 1) and Regulatory Guide 1.26 for classification of items in Quality Groups B and C (Code Classes 2 and 3, respectively). Color-coded piping flow diagrams (P&ID's) identify the Class 1, 2, and 3 boundaries and are maintained as a part of this Plan. (See Section 11)

ASME Class 1 Piping/Components

For Class 1 components other than piping (e.g., Reactor Pressure Vessel, Steam Generators, Pressurizer, Reactor Coolant Pumps) the extent of examinations (selection of components for examination) comply with the requirements of the ASME Code Section XI (Table IWB-2500-1) 1989 Edition with no Addenda as required by 10CFR50.55a(b)(2).

For Class 1 piping welds (Category B-J), the extent of examinations (selection of components for examination) comply with the requirements of the ASME Code Section XI (Tables IWB-2500 and -2600), 1974 Edition with all Addenda through Summer 1975, as permitted by 10CFR50.55a(b)(2)(ii) for those facilities whose application for a construction permit was docketed prior to July 1, 1978.

The volumetric and surface examination methods utilized on Class 1 piping/components are in accordance with the ASME Code Section XI, 1989 Edition with no Addenda as required by 10CFR50.55a(b)(2).

Additionally, Inservice Inspection of the Reactor Pressure Vessel complies with the recommendation of Regulatory Guide 1.150 as revised by the EPRI ADHOC Committee Report August 1982 with the clarifications and exceptions listed in the HNP FSAR page 1.8-187/188 Amendment No. 6.

ASME Class 2 Piping/Components

Class 2 piping/components have been selected for examination based on the requirements of the ASME Section XI Code 1989 Edition with no Addenda, and the HNP FSAR for augmented examinations. Examination methods utilized on Class 2 piping/components are also in accordance with the 1989 Edition with no Addenda.

ASME Class 3 Integral Attachments

Selection and examination of Class 3 integral attachments are in accordance with the requirements of ASME Code Case N-509. Examination methods (VT-1) are performed in accordance with the ASME Code Section XI 1989 Edition with no Addenda.

Augmented Examination Programs

In addition to the ASME Section XI Code program requirements, several augmented inspection programs have been added in order to comply with other regulatory requirements (See Section 4). The following documents have been reviewed and used as a basis for the HNP augmented inspection programs.

- A) U.S. Nuclear Regulatory Commission Standard Review Plan, Section 3.6.1, "Plant Design For Protection Against Postulated Piping Failures In Fluid Systems Outside Containment" (NUREG-0800), and HNP FSAR Section 3.6.1.
- B) U.S. Nuclear Regulatory Commission Standard Review Plan, Section 3.9.3, "ASME Code Class 1, 2 and 3 Components, Component Supports, and Core Support Structures" (NUREG-0800), and HNP FSAR Section 3.9.3.



- C) U.S. Nuclear Regulatory Commission Standard Review Plan, Section 5.2.4, "Reactor Coolant Pressure Boundary Inservice Inspection and Testing" (NUREG-0800), and HNP FSAR Section 5.2.4.
- D) U.S. Nuclear Regulatory Commission Standard Review Plan, Section 5.4.1.1, "Pump Flywheel Integrity" (NUREG-0800), and HNP FSAR Section 5.4.1.1, and U.S. Nuclear Regulatory Commission Regulatory Guide 1.14, Rev 1, "Reactor Coolant Pump Flywheel Integrity." This inspection requirement is required by HNP Technical Specification 4.4.10.
- E) U.S. Nuclear Regulatory Commission Standard Review Plan, Section 6.6 "Inservice Inspection of Class 2 and 3 components" (NUREG-0800), and HNP FSAR Section 6.6. The HNP FSAR, in Section 6.6.8, requires high-energy system piping between isolation valves, or from the Containment to the first valve outside Containment for piping without an isolation valve inside Containment, and piping in the break exclusion region, receive an augmented ISI. Additional details concerning these examinations are contained in "Program Commitments" (Section 6) of this Plan.
- F) Request for Additional Information (RAI) from NRC to CP&L by letter dated October 11, 1983 (Safety Evaluation Report Questions: 250.1, 250.2, and 250.3). This RAI was utilized during the First Interval to add augmented examinations on Class 2 piping systems that were exempt from examination per the ASME Code Section XI. In this current Second Interval, some of these welds are included as part of the regular Code examinations. For those that are still exempt from the Code, the same approach and the same welds are included in this Plan. The Category and Item Numbers include "SER 250.1" to identify these welds and to allow for traceability back to the First Interval. Additional details concerning these examinations are contained in "Program Commitments" (Section 4) of this Plan.

The augmented programs for the Second 10-Year Interval are similar to those in the First Interval. Some minor changes were required for Class 2 piping examinations since a few of the First Interval augmented welds are now included within the scope of the ASME Code Section XI for this Second Interval. The methods of examination are based on the requirements of the ASME Code Section XI, 1989 Edition with no Addenda.

Requests For Relief Due To Limited Accessibility

To the maximum extent practical, the arrangement and details of the piping systems and components were designed and fabricated to allow adequate access and clearances for the performance of inservice examinations. However, in some cases, examinations are limited due to geometric configuration or plant design precluding physical accessibility. Generally, these limitations exist at all fitting-to-fitting welds (e.g., elbow-to-tee, elbow-to-valve, reducer-to-valve) where geometry and sometimes surface conditions do not allow ultrasonic coupling or access for the required scan length. In instances where the location of pipe hangers or equipment supports restrict the access available for the examinations of piping/component welds, examinations are performed to the extent practical.

In those cases where ASME Section XI Code examinations have been found to be limited or are not practical to perform (areas were identified/documented during Preservice and First Interval examinations), Requests for Relief from ASME Code requirements are being submitted as part of this HNP Ten Year ISI Program.

(see Section 7)

Also, if additional inaccessibilities are discovered during the Second Interval, then the existing Relief Request will be revised or a new request will be written and submitted to the NRC for approval.

For consistency, the Relief Requests have been numbered, as much as possible, as they were when submitted and approved in the Preservice and First Interval Inspection Plans.

Component Supports (Hangers/Snubbers)

The ISI Component Support (Hanger/Snubber) Program identifies the components and the examination requirements for component supports/snubbers within the ISI boundary. Selection of component supports, other than snubbers, are selected for examination per ASME Code Case N-491, which provides a sampling approach based on the Code Class of the component support. Examinations of component supports, other than snubbers, are performed in accordance with ASME Code Section XI, 1989 Edition with no Addenda and Code Case N-491.

Snubbers are selected and functionally tested in accordance with HNP Technical Specifications as opposed to ASME Section XI Code requirements, contingent upon NRC approval of the general Relief Request (2RG-008) contained in this

Plan. Visual (VT-3) examinations are performed in accordance with the above-referenced ASME Code Section XI.

System Pressure Tests

System pressure tests are performed in accordance with the requirements of the ASME Section XI Code, 1989 Edition with no Addenda, and, contingent upon NRC approval, in accordance with the ASME Code Cases and Relief Requests as listed in this Plan. Some of the Code Cases require the use of later Editions/Addenda of Section XI. These are tabulated in Section 7, "Code Cases". The Pressure Test Program Plan is in Section 9.

Eddy Current Examination Of Steam Generator Tubing

The HNP U-Tube Steam Generator Tubing is examined using the Eddy Current method in accordance with the requirements of the ASME Code Section XI, 1989 Edition with no Addenda, and Examination Category B-Q (Item No. B16.20), "Steam Generator Tubing in U-Tube Design" in accordance with 10CFR50.55a(b)(2)(iii). Section XI defers the inspections of the tubes to plant Technical Specifications. HNP Technical Specification 3/4.4.5, "Steam Generators", contains the applicable requirements for the inspection of Steam Generator Tubes. The NDE examination results are evaluated in accordance with the acceptance standards of IWB-3521 of Section XI.

Repair/Replacement

Repairs and replacements of Class 1, 2, and 3 components are performed in accordance with the ASME Code Section XI, 1989 Edition with no Addenda, and, contingent upon NRC approval, in accordance with the ASME Code Cases and Relief Requests as listed in this Plan. Some of the Code Cases require the use of later Editions/Addenda of Section XI. These are tabulated in Section 7, "Code Cases". The Repair/Replacement requirements for the Containment Building (Subsections IWE and IWL of Section XI) are in accordance with ASME Section XI 1992 Edition through 1992 Addenda and have been incorporated into the site Repair/Replacement Program. This ISI Plan does not include the Repair/Replacement Program and any references to Repair/Replacements are for information only. However, the Repair/Replacement Program is available on site for review.



Containment (IWE and IWL) Examinations

HNP recognizes that there are new NRC regulations, contained in 10CFR50.55a(b)(vi), regarding the inspection of Containment Buildings. Those inspection plans are still under development. This ISI Plan does not, as yet, address Subsections IWE or IWL of ASME Code Section XI. When completed, the IWE and IWL Programs will comply with the ASME Code Section XI, 1992 Edition with 1992 Addenda, as required by 10CFR50. The IWE and IWL Plans do not have to be submitted to the NRC, as stated in 10CFR50.55a(g)(6)(ii)(B)(5), and therefore will be maintained on site for review.

Procedures

The administrative controls for the Inservice Inspection Plan are addressed in the following documents:

ISI-100	Control Of Inservice Inspection Activites
ISI-102	Inservice Inspection Drawing Preparation and Control
ISI-103	Receiving Inspection and Control of Inservice Inspection Calibration Standards
EST-201	ASME System Pressure Tests
EST-213	ASME System Pressure Tests for Fuel Oil Piping
ISI-202	Safety-Related Component Support (Hangers and Snubbers) Examination and Testing Program
NW-04	Permanent Marking of Plant Materials, Components, and Weld Joints
NDEP-1011	Weld Joint Identification Marking of Datum Points and Identification
PLP-605	ASME Boiler and Pressure Vessel Code Section XI Repair and Replacement Program

The inservice inspection program examination requirements are performed and controlled through the use of both CP&L and vendor nondestructive examination (NDE) procedures. The CP&L procedures are prepared, qualified, issued and controlled in accordance with plant approved processes. Vendor (NDE) procedures are reviewed, qualified, and approved by CP&L and ANII prior to implementation. Additional approved Program implementation procedures may be used as applicable.

Calibration Blocks

Calibration Blocks shall meet the requirements of ASME Section XI, Article I and ASME Section V, Article 4 and/or 5, 1989 Edition with no Addenda (89 Code). The list of applicable Calibration Blocks are located in Section 10.

Summary of HNP Second 10-Year Interval Code References

Component	Section XI Code	Reference
Class 1 Components other than Piping	1989 Edition with no Addenda. Examination techniques enhanced with Performance Demonstration Initiative (PDI).	10CFR50.55a(b)(2)
Class 1 pressure retaining Piping welds (Category B-J)	For Selection of welds: Table IWB-2500 and Table IWB-2600, Category B-J, 1974 Edition with all Addenda through Summer 1975. For examination methods and techniques: 1989 Edition with no Addenda.	10CFR50.55a(b)(2)(ii) for Selection Criteria only.
Steam Generator Tubing	1989 Edition with no Addenda (Category B-Q) defers to the plant Technical Specifications	10CFR50.55a(b)(2)(iii) and HNP Technical Specification 3/4.4.5, "Steam Generators"

Class MC and Metal Shells of Class CC components	1992 Edition including the 1992 Addenda, Subsection IWE.	10CFR50.55a(b)(2)(vi)
Class CC components (concrete containments)	1992 Edition including the 1992 Addenda, Subsection IWL.	10CFR50.55a(b)(2)(vi)
Class 2 Piping/Components	1989 Edition with no Addenda	10CFR50.55a(b)(2)
Class 3 Integral Attachments	1989 Edition with no Addenda	10CFR50.55a(b)(2)

Component Listing:

The Component Listing, which is sorted by Code Category and Item Number, contains a hidden field entitled Exam Requirement. A summary of these Exam Requirements is as follows:

- 89-02 Section XI, IWB and IWC, 89 Code, 2nd Interval
- B02-02 Reactor Coolant Pump Flywheel RG 1.14
- B03-02 Augmented - SER Question 250.1
- B04-02 Augmented - FSAR Section 6.6.8B & F
- B05-02 Augmented - FSAR Section 6.6.8C & F
- B06-02 Augmented - FSAR Section 6.6.8D & F
- B07-02 Augmented - FSAR Section 6.6.8E & F
- S01-02 Successive Exams IWB-2420 & IWC-2420. Examinations Continued from First Interval.

Acronyms and Abbreviations

AF	Auxiliary Feedwater
AFW	Auxiliary Feedwater
AI	Authorized Inspector
AIA	Authorized Inspection Agency
ANI	Authorized Nuclear Inspector
ANII	Authorized Nuclear Inservice Inspector
ALARA	As Low As is Reasonably Achievable
ASME	American Society of Mechanical Engineers
ASNT	American Society for Nondestructive Testing
BAT	Boric Acid Tank

BIT	Boron Injection Tank
BOP	Balance Of Plant
CC	Component Cooling Water
CCW	Component Cooling Water
CFR	Code of Federal Regulations
CP&L	Carolina Power & Light Company
CRT	Cathode Ray Tube
CS	Chemical and Volume Control
CSS	Containment Spray System
CST	Condensate Storage Tank
CT	Containment Spray
CVCS	Chemical and Volume Control
Ebasco	Electric Bond and Share Company
ET	Eddy Current Testing
FSAR	Final Safety Analysis Report
FW	Feedwater
FW	Field Weld
HHSI	High Head Safety Injection
HNP	Harris Nuclear Plant
HX	Heat Exchanger
ILRT	Integrated Leakage Rate Test (of the Containment)
LHSI	Low Head Safety Injection
LOCA	Loss Of Coolant Accident
MEB	Mechanical Engineering Branch (of the NRC)
MFIV	Main Feedwater Isolation Valve
MFWLB	Main Feedwater Line Break
MOV	Motor Operated Valve
MS	Main Steam
MSIV	Main Steam Isolation Valve
MSLB	Main Steam Line Break
MT	Magnetic Particle Testing
MTEB	Materials Engineering Branch (of the NRC)
NDE	Nondestructive Examination
NDT	Nondestructive Testing
NPS	Nominal Pipe Size
NRC	Nuclear Regulatory Commission
NSSS	Nuclear Steam Supply System
NWT	Nominal Wall Thickness
OD	Outside Diameter

PT	Dye Penetrant Testing
PWR	Pressurized Water Reactor
QA	Quality Assurance
QC	Quality Control
RAB	Reactor Auxiliary Building
RC	Reactor Coolant
RCB	Reactor Containment Building
RCP	Reactor Coolant Pump
RCPB	Reactor Coolant Pressure Boundary
RCS	Reactor Coolant System
RG	Regulatory Guide
RH	Residual Heat Removal
RHR	Residual Heat Removal
RPV	Reactor Pressure Vessel
RT	Radiographic Testing
RV	Reactor Vessel
RWST	Refueling Water Storage Tank
SG	Steam Generator
SHNPP	Shearon Harris Nuclear Power Plant
SI	Safety Injection
SNT-TC-1A	American Society for Nondestructive Testing, Training Course 1A
SRP	Standard Review Plan
SW	Service Water
SW	Shop Weld
T	Thickness
UT	Ultrasonic Testing
UT-RVN	Ultrasonic Testing from inside the Reactor Vessel Nozzle
UT-RVS	Ultrasonic Testing from the surface of the Reactor Vessel Shell
VT	Visual Testing
VT-1	Visual Testing for cracks
VT-2	Visual Testing for leakage
VT-3	Visual Testing for functionality
WCAP	Westinghouse Commercial Atomic Power
Westinghouse	Westinghouse Electric Corporation

POSITION STATEMENT-1

Application of Code	Code Requirement
<p>Paragraphs IWB-2420(a) and IWC-2420(a), "Successive Inspections", state that the sequence of component examinations established during the first inspection interval shall be repeated during each successive inspection interval, to the extent practical. During the First Interval, the Class 1 and Class 2 examinations were scheduled in a manner that ensured compliance with the percentage requirements of Table IWB-2412-1 and Table IWC-2412-1, respectively. However, the percentages were applied to the Item Numbers and even to individual components rather than to the Category. The 1989 Edition of the ASME Code Section XI now plainly states in IWB-2412(a) and IWC-2412 that the percentages are to be applied to the Categories. This change in approach has been reflected in the selection of components for each Period in this current Second Interval. The First Interval schedule was maintained wherever possible, but there are significant changes on certain components. During the First Interval, the bolting on each vessel manway was divided into thirds. For example, the Pressurizer manway bolting was partially inspected during each of the three Periods. This approach forced individual examiners to go into radiation fields repeatedly in order to complete all of the required examinations during the Interval. Likewise, the Pressurizer and Steam Generator vessel shell and head welds were distributed over the entire Interval causing multiple entries into the same areas. During this current Second Interval, these examinations have been reselected in order to reduce personnel radiation exposures and costs associated with ISI while complying with the ASME Code Section XI.</p>	<p>IWB-2420 and IWC-2420</p>

POSITION STATEMENT-2

Application of Code	Code Requirement
<p><u>HNP Code Position</u></p> <p>ASME Section XI additional examination requirements apply to <u>service-induced flaws</u> only. Non-service-induced flaws (i.e., fabrication flaws) are not subject to these Code rules.</p> <p><u>Background</u></p> <p>Currently, the Code does not distinguish between service and non-service-induced flaws relative to Code additional examination requirements. From an engineering standpoint, scope expansion has technical merit upon discovery of a service-induced flaw only. To bound the mode of failure (e.g., IGSCC, thermal fatigue due to thermal stratification, water hammer), additional examinations should be performed on like components in systems subject to the same service conditions to determine the extent of potential component pressure boundary or structural degradation. The '92 Edition of the Code (IWB-2430) states that "the additional examinations shall be selected from welds, areas, or parts of similar material and <u>service</u>". This statement is a clear indication that the Code additional examination requirements are intended for service-induced flaws.</p> <p>Fabrication flaws can result from a number of factors during the component fabrication process. The ASME Code has other mechanisms for detecting fabrication flaws.</p> <ol style="list-style-type: none">1) Construction Code - Examinations are performed on components to ensure that there is either an absence of flaws or that fabrication flaws present meet acceptance standards.2) ASME Section XI - Preservice examinations are performed on components to establish an examination baseline for comparison with future inservice examination results. For volumetric examinations, techniques are generally used which better characterize an existing fabrication flaw making it more suitable and compatible for comparison with future inservice volumetric examination techniques. <p>Once a component is placed into service, the purpose of performing Section XI examinations shifts from preservice detection of fabrication flaws to inservice detection of service-induced flaws which may challenge the structural integrity of a component. However, in the course of looking for service-induced flaws, fabrication flaws, if present in the Section XI examination volume or area, are detected.</p> <p><u>Volumetric Flaws</u></p> <p>Volumetric fabrication flaws should have been previously detected by the Section XI preservice examination, but are not always. Changes in the size of a known fabrication flaw, or the discovery of a previously unknown fabrication flaw, typically result from improvements in examination techniques. Volumetric techniques and practices (e.g., refracted-longitudinal mode propagation angle-beam techniques, elevated scanning sensitivity) utilized today are generally more thorough and sensitive than those used in the past.</p> <p>A flaw believed to be fabrication-related, if not previously detected by preservice examinations, should be evident on the construction radiograph if one was performed and if that part of the exam volume was captured on film. The radiograph may require computerized digital enhancement for the flaw to be observed. Also, the ultrasonic signal characteristics can reveal the suspected nature of the flaw. If a flaw, by engineering evaluation, can be conclusively determined to have a non-service-induced origin (e.g., planar flaw not connected to ID or OD surface), there is simply no technical basis for expanding scope.</p> <p><u>Surface and Visual Flaws</u></p> <p>Many non-service-induced surface and visual flaws are found by liquid penetrant, magnetic particle, and visual techniques during inservice examinations. Linear indications judged to be non-service-induced are routinely found. Most of these flaws are believed to have been caused either by fabrication/construction methods (e.g., weld undercut, weld cap roll over) or by poor weld surface preparation practices. To expand scope for such flaws has no engineering basis.</p> <p><u>Summation</u></p> <p>Volumetric, surface, and visual flaws detected by ISI examination that are induced by severe service conditions present the first sign of a potential system or generic concern. Good engineering judgment alone would dictate that the examination scope be expanded to determine if the failure is representative of a larger-scale problem or is simply an isolated occurrence. This same basic logic does not apply to a flaw randomly formed during the fabrication process or created by poor weld surface preparation techniques.</p>	<p>IWB-2430 IWC-2430 IWF-2430</p>

POSITION STATEMENT-3

Application of Code	Code Requirement
<p data-bbox="171 258 1351 583">Paragraph IWC-1221(f) in the 1989 Code grants an exemption from inspecting "piping and other components of any size beyond the last shutoff valve in open-ended portions of systems that do not contain water during normal plant operating conditions". Portions of the Containment Spray (CT) system inside the Reactor Containment Building at HNP do not contain water during normal plant operating conditions and therefore qualify for this exemption. This exemption has been applied to the CT piping beyond the gate valve located in the riser piping that supplies the spray rings. This exemption applies to welds and component supports.</p> <p data-bbox="171 663 1351 825">From these isolation (gate) valves to the spray rings in the top of the Containment Building, both trains of the CT system are unpressurized and open-ended. These portions of this piping system have no operationally-induced degradation mechanisms; therefore, inspections serve no useful purpose.</p> <p data-bbox="171 905 1351 1020">The ISI boundary scope includes only those welds and component supports below the isolation (gate) valves on the Containment Spray system inside the Containment Building.</p>	<p data-bbox="1389 258 1546 289">IWC-1220</p>



POSITION STATEMENT-4

Application of Code	Code Requirement
<p>HNP is committed to comply with the ASME Code Section XI, 1989 Edition with no Addenda. Table IWB-2500-1, Category B-J, requires that examinations include all terminal ends, dissimilar metal welds, high stress/high fatigue welds, and an additional number of welds such that the total weld sample equals at least 25% of the welds in the Class 1 piping. However, the Code of Federal Regulations, in 10CFR50.55a(b)(2)(ii), allows older nuclear plants (including HNP) to select the Class 1 piping welds during successive 10-year intervals per Tables IWB-2500 and IWB-2600 of the 1974 Edition with Addenda through Summer 1975 (74S75). The 74S75 Code Tables IWB-2500 and IWB-2600 specify the selection of a random 25% of the non-exempt piping welds for the 10-year interval. There are no requirements in either of these two Tables regarding the selection process for successive intervals. The 89 Code in Table IWB-2500-1, Category B-J, Note (2), states that the welds initially selected for the First Interval are to be re-examined during each successive inspection interval. Therefore, the same welds that were selected for the First Interval have been reselected for the Second Interval.</p> <p>The selection criteria for the First Interval was established by the 74S75 Code. The selection criteria for the Second Interval is to repeat the examinations performed during the First Interval as stated in the 89 Code, Table IWB-2500-1, Category B-J, Note (2). The non-destructive examination methods along with the required examination volumes, however, have been updated to the requirements of the 89 Code.</p>	<p style="text-align: center;">Table IWB-2500-1 (Category B-J)</p>

POSITION STATEMENT-5

Application of Code	Code Requirement
<p>Table IWB-2500-1, Category B-M-2, in the 1989 Code requires that for valves exceeding 4-inch diameter, the internal surfaces must be visually (VT-3) examined. The examination may be limited to one valve within each group of valves that are of similar design, construction, and service and is required <u>only when a valve is disassembled for maintenance, repair, or volumetric examination</u>. Disassembly of valves solely for the purpose of examination is not required (as it was in previous Editions of Section XI).</p> <p>HNP considers it to be good practice to inspect the valve internal surfaces <u>each</u> time <u>any</u> of the valves are disassembled regardless of the group or the reason for the disassembly. There are 24 Class 1 valves, ranging in size from 6" to 12", which are in Category B-M-2. These 24 valves have been divided into 6 groups based on their design, construction, and service. For ease of reference, these 24 valves are listed in tabular form in this section of the ISI Inspection Plan.</p> <p>In summary, HNP exceeds requirements of the 1989 Code. For the 24 applicable Class 1 valves in Code Category B-M-2, HNP performs the visual (VT-3) examination when the valves are disassembled for <u>any</u> reason. Each of the valves is inspected <u>each</u> time it is opened.</p>	Table IWB-2500-1 (Category B-M-2)

POSITION STATEMENT-6

Application of Code	Code Requirement
<p>Table IWB-2500-1, Category B-G-2, in the 1989 Code requires that pressure-retaining (e.g., body-to-bonnet) valve bolting must be examined visually (VT-1). Footnote 2 to this Table states that for valve bodies, the required examinations are limited to components selected for examination under Examination Category B-M-2. Per Table IWB-2500-1, the requirements of B-M-2 are applicable only to valve bodies that exceed 4-inch nominal pipe size. Essentially, the inspection requirements of B-G-2 apply only to valves exceeding 4 inches in diameter (nominal pipe size).</p> <p>In addition to the 4-inch exemption, the Code also adds another exemption in the same footnote by stating that the B-G-2 bolting examinations are "limited to components selected for examination". In Category B-M-2, footnote (3) states that "examinations are limited to at least one valve within each group of valves" that are of the same size, constructional design, manufacturing method, and service. In addition, footnote (2) in Category B-M-2 states that examination is required only when a valve is disassembled for maintenance, repair, or volumetric examination. Essentially, per the Code, the only valve bolting that must be examined is the bolting on the valves that are selected per B-M-2 for visual (VT-3) examination of internal surfaces which implies that the valves are disassembled. These valves have already been addressed in another of these HNP Positions.</p> <p>In summary, HNP complies with the 1989 Code requirements for examination of Class 1 valve bolting. As such, the valve bolting examinations in Category B-G-2 are limited to 24 Class 1 valves, ranging in size from 6" to 12", which have been divided into 6 groups. For ease of reference, these 24 valves are listed in tabular form in this section of the ISI Inspection Plan. These Code requirements apply only to examination of valve bolting on Class 1 valves greater than 4 inches in nominal pipe size and only when disassembled. Per the Code, examinations are limited to only one valve in each of the 6 groups. However, HNP is more conservative than the 1989 Code and performs the visual (VT-1) examination on the bolting of <u>any</u> of the 24 valves <u>each</u> time they are disassembled for <u>any</u> reason.</p>	<p>Table IWB-2500-1 (Category B-G-2, Valve Bolting)</p>

CURRENT HNP ISI PROGRAM POSITIONS

HNP Class 1 Valves

Valve No.	Group	Type	System	Function	Drawing Numbers	Piping Line No.	Internal Surface Exam No.	Bolting Exam No.
IRC-123 (1-8010C) (IRC-R530SN-1)	1	Safety	Reactor Coolant	Pressurizer Safety	CPL-2165-S-1301 CAR-2165-G-801	IRC6-128SN-1	II-RC-027 IRC-123 INT	II-RC-027 RC-123 VBB(1-8)
IRC-125 (1-8010B) (IRC-R529SN-1)	1	Safety	Reactor Coolant	Pressurizer Safety	CPL-2165-S-1301 CAR-2165-G-801	IRC6-126SN-1	II-RC-027 IRC-125 INT	II-RC-027 RC-125 VBB(1-8)
IRC-127 (1-8010A) (IRC-R528SN-1)	1	Safety	Reactor Coolant	Pressurizer Safety	CPL-2165-S-1301 CAR-2165-G-801	IRC6-124SN-1	II-RC-027 IRC-127 INT	II-RC-027 RC-127 VBB(1-8)
1-RH-39 (1-8702B) (1RH-V500SB-1)	2	Gate	Residual Heat Removal	RHR Isolation from RCS	CPL-2165-S-1324 CAR-2165-G-824	1RH12-39SB-1	II-RH-009 1RH-39 INT	II-RH-009 RH-39 VBB(1-18)
1-RH-40 (1-8701B) (1RH-V501SA-1)	2	Gate	Residual Heat Removal	RHR Isolation from RCS	CPL-2165-S-1324 CAR-2165-G-824	1RH12-39SB-1	II-RH-009 1RH-40 INT	II-RH-009 RH-40 VBB(1-18)
1-RH-1 (1-8702A) (1RH-V502SB-1)	2	Gate	Residual Heat Removal	RHR Isolation from RCS	CPL-2165-S-1324 CAR-2165-G-824	1RH12-38SA-1	II-RH-010 1RH-1 INT	II-RH-010 RH-1 VBB(1-18)
1-RH-2 (1-8701A) (1RH-V503SA-1)	2	Gate	Residual Heat Removal	RHR Isolation from RCS	CPL-2165-S-1324 CAR-2165-G-824	1RH12-38SA-1	II-RH-010 1RH-2 INT	II-RH-010 RH-2 VBB(1-18)

CURRENT HNP ISI PROGRAM POSITIONS

HNP Class 1 Valves

Valve No.	Group	Type	System	Function	Drawing Numbers	Piping Line No.	Internal Surface Exam No.	Bolting Exam No.
ISI-136 (1-8993A) (ISI-V512SA-1)	3	Check	Safety Injection	RCS Hot Leg Injection	CPL-2165-S-1308 CAR-2165-G-808	1SI6-81SA-1	II-SI-028 1SI-136 INT	II-SI-028 SI-136 VBB(1-16)
ISI-137 (1-8993B) (ISI-V513SB-1)	3	Check	Safety Injection	RCS Hot Leg Injection	CPL-2165-S-1308 CAR-2165-G-808	1SI6-80SB-1	II-SI-027 1SI-137 INT	II-SI-027 SI-137 VBB(1-16)
ISI-138 (1-8993C) (ISI-V514SA-1)	3	Check	Safety Injection	RCS Hot Leg Injection	CPL-2165-S-1308 CAR-2165-G-808	1SI6-314SA-1	II-SI-017 1SI-138 INT	II-SI-017 SI-138 VBB(1-16)
ISI-81 (1-8998A) (ISI-V507SA-1)	4	Check	Safety Injection	RCS Cold Leg Injection	CPL-2165-S-1308 CAR-2165-G-808	1SI6-272SA-1	II-SI-024 1SI-81 INT	II-SI-024 SI-81 VBB(1-16)
ISI-82 (1-8998B) (ISI-V508SB-1)	4	Check	Safety Injection	RCS Cold Leg Injection	CPL-2165-S-1308 CAR-2165-G-808	1SI6-271SB-1	II-SI-025 1SI-82 INT	II-SI-025 SI-82 VBB(1-16)
ISI-83 (1-8998C) (ISI-V509SA-1)	4	Check	Safety Injection	RCS Cold Leg Injection	CPL-2165-S-1308 CAR-2165-G-808	1SI6-270SA-1	II-SI-026 1SI-83 INT	II-SI-026 SI-83 VBB(1-16)
ISI-134 (1-8988A) (ISI-V510SA-1)	5	Check	Safety Injection	RCS Hot Leg Recirc	CPL-2165-S-1308 CAR-2165-G-808	1SI6-81SA-1	II-SI-028 1SI-134 INT	II-SI-028 SI-134 VBB(1-16)
ISI-135 (1-8988B) (ISI-V511SB-1)	5	Check	Safety Injection	RCS Hot Leg Recirc	CPL-2165-S-1308 CAR-2165-G-808	1SI6-80SB-1	II-SI-027 1SI-135 INT	II-SI-027 SI-135 VBB(1-16)

CURRENT HNP ISI PROGRAM POSITIONS

HNP Class 1 Valves

Valve No.	Group	Type	System	Function	Drawing Numbers	Piping Line No.	Internal Surface Exam No.	Bolting Exam No.
ISI-356 (1-8973A) (ISI-V584SA-1)	5	Check	Safety Injection	RCS Cold Leg Recirc	CPL-2165-S-1310 CAR-2165-G-810	ISI6-272SA-1	II-SI-024 ISI-356 INT	II-SI-024 SI-356 VBB(1-16)
ISI-357 (1-8973B) (ISI-V585SB-1)	5	Check	Safety Injection	RCS Cold Leg Recirc	CPL-2165-S-1310 CAR-2165-G-810	ISI6-271SB-1	II-SI-025 ISI-357 INT	II-SI-025 SI-357 VBB(1-16)
ISI-358 (1-8973C) (ISI-V586SA-1)	5	Check	Safety Injection	RCS Cold Leg Recirc	CPL-2165-S-1310 CAR-2165-G-810	ISI6-270SA-1	II-SI-026 ISI-358 INT	II-SI-026 SI-358 VBB(1-16)
ISI-249 (1-8956A) (ISI-V544SA-1)	6	Check	Safety Injection	Safety Injection Accumulator Discharge	CPL-2165-S-1309 CAR-2165-G-809	ISI12-161SA-1	II-SI-021 ISI-249 INT	II-SI-021 SI-249 VBB(1-18)
ISI-250 (1-8948A) (ISI-V547SA-1)	6	Check	Safety Injection	Safety Injection Accumulator Discharge	CPL-2165-S-1309 CAR-2165-G-809	ISI12-161SA-1	II-SI-021 ISI-250 INT	II-SI-021 SI-250 VBB(1-18)
ISI-251 (1-8956B) (ISI-V545SB-1)	6	Check	Safety Injection	Safety Injection Accumulator Discharge	CPL-2165-S-1309 CAR-2165-G-809	ISI12-162SB-1	II-SI-022 ISI-251 INT	II-SI-022 SI-251 VBB(1-18)
ISI-252 (1-8948B) (ISI-V548SB-1)	6	Check	Safety Injection	Safety Injection Accumulator Discharge	CPL-2165-S-1309 CAR-2165-G-809	ISI12-162SB-1	II-SI-022 ISI-252 INT	II-SI-022 SI-252 VBB(1-18)
ISI-253 (1-8956C) (ISI-V546SA-1)	6	Check	Safety Injection	Safety Injection Accumulator Discharge	CPL-2165-S-1309 CAR-2165-G-809	ISI12-163SA-1	II-SI-023 ISI-253 INT	II-SI-023 SI-253 VBB(1-18)

CURRENT HNP ISI PROGRAM POSITIONS

HNP Class 1 Valves

Valve No.	Group	Type	System	Function	Drawing Numbers	Piping Line No.	Internal Surface Exam No.	Bolting Exam No.
ISI-254 (1-8948C) (ISI-V549SA-1)	6	Check	Safety Injection	Safety Injection Accumulator Discharge	CPL-2165-S-1309 CAR-2165-G-809	ISI12-163SA-1	II-SI-023 ISI-254 INT	II-SI-023 SI-254 VBB(1-18)

Notes:

- 1) Valve numbers in parentheses are the NSSS (Westinghouse) and Architect/Engineer (Ebasco) numbers.
- 2) None of these 24 Class 1 valves contain valve body welds (Code Category B-M-1).

REGULATORY GUIDES

Reg. Guide No.	Reg. Guide Title	ISI Program Impact
1.14 Revision 1	Reactor Coolant Pump Flywheel Integrity	All 3 Reactor Coolant Pump Flywheels will be examined for early signs of cracking/degradation. This Reg Guide is intended to reduce the possibility of missiles inside Containment, which could adversely affect multiple trains/loops of safety systems.
1.26 Revision 3	Quality Group Classification and Standards for Water-, Steam-, and Radioactive-Waste-Containing Components of Nuclear Power Plants	Determination of ASME Section XI Class 1, 2, and 3 boundaries. This Reg Guide defines Quality Groups which are referenced in IWA-1320.
1.147 (Latest Revision)	Inservice Inspection Code Case Acceptability - ASME Section XI, Division 1	Documents the NRC's acceptance of Section XI Code Cases for utilization in the ISI Program.
1.150 Revision 1	Ultrasonic Testing of the Reactor Pressure Vessel Welds During Preservice and Inservice Examination	The applicable Reactor Vessel welds will be performed in compliance with these requirements which are intended to increase the quality of the Reactor Vessel weld examinations. Among other requirements, such as large overlaps on transducer scans, this Reg Guide requires a special "near surface" examination for the 1-inch of base material under the vessel cladding on the shell welds. These requirements are planned to be implemented during RFO13, the last refueling outage in the second interval.



AUGMENTED PROGRAM COMMITMENT-1

Commitment Description	Components Affected		Category/ Item/ Exam Requirement
	Within Section XI Jurisdiction	Outside Section XI Jurisdiction	
<p>Plant Technical Specification 3/4.4.10 requires that all 3 of the Reactor Coolant Pump Motor Flywheels receive inservice inspections during each 10-year interval per the instructions of Regulatory Guide 1.14, Revision 1 (August, 1975). The Reg Guide requires:</p> <p>(1) an in-place ultrasonic volumetric examination of the bore and keyway areas at approximately 3-year periods and</p> <p>(2) a surface examination of all exposed surfaces and a complete volumetric examination at approximately 10-year intervals.</p> <p>The flywheels are examined due to a concern about high-energy missiles inside containment that could potentially damage and cause the simultaneous loss of multiple trains/loops of safety-related systems. These examinations are to be performed to the extent possible with the removal of the dust covers but disassembly of the motors is not required. These Tech Spec/Reg Guide requirements have been included in this ISI Plan as an augmented program.</p>		✓	<p>RG1.14 / BORE and FLYWHL / B02-02</p>

AUGMENTED PROGRAM COMMITMENT-2

Commitment Description	Components Affected		Category/ Item/ Exam Requirement
	Within Section XI Jurisdiction	Outside Section XI Jurisdiction	
<p>In 1979, the NRC published IE Bulletin 79-17, "Pipe Cracks in Stagnant Borated Water Systems at PWR Plants", which mandated that nuclear plants implement an augmented program for piping connected to the Refueling Water Storage Tank (RWST). This piping had been previously exempted from most ISI Programs. The basis for the Bulletin was IE Circular 76-06 which documented the chemical contamination of certain nuclear plants with sodium thiosulfate in the early 1970s. The NRC Bulletin was performed at HNP. However, the Bulletin has not been used as an augmented program on a continuing basis since the piping in question has already been included in another augmented ISI program as a result of SER Question 250.1. This SER commitment added piping from the Charging (CS), Containment Spray (CT), Residual Heat Removal (RH), Safety Injection (SI) systems. Pipe sizes 2-inch and above are included. Either Volumetric or Surface exams are performed, based on size and wall thickness. The "V" and "S" suffix on the Item Number is utilized to differentiate the NDE method performed. The percentages of the welds examined are determined per the 74S75 ASME Code.</p>		✓	<p>SER / 250.1S and 250.1V / B03-02</p>

AUGMENTED PROGRAM COMMITMENT-3

Commitment Description	Components Affected		Category/ Item/ Exam Requirement
	Within Section XI Jurisdiction	Outside Section XI Jurisdiction	
<p>Paragraph B of FSAR 6.6.8, "Augmented Inservice Inspection To Protect Against Postulated Piping Failures", requires the volumetric examination once during each 10-year interval of 100% of the following welds: All Class 2 piping welds greater than 4-inch diameter from the Containment penetrations M8, M108, M109, and M110 to the Containment Isolation Valve. Descriptions of these penetrations are as follows:</p> <p>M8 - CVCS, Normal Charging M108 - Aux FW to Steam Gen "A" M109 - Aux FW to Steam Gen "B" M110 - Aux FW to Steam Gen "C"</p> <p>These welds were selected for examination due to an NRC concern, first published in the early 1970s, about High Energy Line Breaks outside containment which could challenge safety systems by rapidly over-cooling the RCS. These concerns are addressed in FSAR 3.6.2 and Standard Review Plan 3.6.2 with the accompanying NRC Branch Technical position MEB 3-1 (both located in NUREG-0800). These resulting FSAR inspection requirements contained in FSAR 6.6.8 have been added to this ISI Plan as an augmented program.</p>	✓		FSAR / 6.6.8B / B04-02

AUGMENTED PROGRAM COMMITMENT-4

Commitment Description	Components Affected		Category/ Item/ Exam Requirement
	Within Section XI Jurisdiction	Outside Section XI Jurisdiction	
<p>Paragraph C of FSAR 6.6.8, "Augmented Inservice Inspection To Protect Against Postulated Piping Failures", requires the volumetric examination once during each 10-year interval of 100% of the following welds: All piping welds greater than 4-inch diameter in the Break Exclusion Region of Main Steam and Feedwater shown in FSAR Figure 3.6.2-1. Penetration numbers are as follows:</p> <p>Main Steam - M1, M2, and M3 Main Feedwater - M4, M5, and M6</p> <p>These welds were selected for examination due to an NRC concern, first published in the early 1970s, about High Energy Line Breaks outside containment which could challenge safety systems by rapidly over-cooling the RCS. These concerns are addressed in FSAR 3.6.2 and Standard Review Plan 3.6.2 with the accompanying NRC Branch Technical position MEB 3-1 (both located in NUREG-0800). These resulting FSAR inspection requirements contained in FSAR 6.6.8 have been added to this ISI Plan as an augmented program.</p>	✓	✓ (Portions downstream of the Main Steam Isolation Valves and portions upstream of the Main Feedwater Check Valves.)	FSAR / 6.6.8C / B05-02

AUGMENTED PROGRAM COMMITMENT-5

Commitment Description	Components Affected		Category/ Item/ Exam Requirement
	Within Section XI Jurisdiction	Outside Section XI Jurisdiction	
<p>Paragraph D of FSAR 6.6.8, "Augmented Inservice Inspection To Protect Against Postulated Piping Failures", requires the surface examination once during each 10-year interval of 100% of the following welds: All piping welds greater than 1-inch diameter and less than or equal to 4-inch diameter in the Break Exclusion Region of Main Steam and Feedwater shown in FSAR Figure 3.6.2-1. Penetration numbers are as follows:</p> <p>Main Steam - M1, M2, and M3 Main Feedwater - M4, M5, and M6</p> <p>These welds were selected for examination due to an NRC concern, first published in the early 1970s, about High Energy Line Breaks outside containment which could challenge safety systems by rapidly over-cooling the RCS. These concerns are addressed in FSAR 3.6.2 and Standard Review Plan 3.6.2 with the accompanying NRC Branch Technical position MEB 3-1 (both located in NUREG-0800). These resulting FSAR inspection requirements contained in FSAR 6.6.8 have been added to this ISI Plan as an augmented program.</p>		<p>✓</p> <p>(Portions downstream of the Main Steam Isolation Valves and portions upstream of the Main Feedwater Check Valves.)</p>	<p>FSAR / 6.6.8D / B06-02</p>

AUGMENTED PROGRAM COMMITMENT-6

Commitment Description	Components Affected		Category/ Item/ Exam Requirement
	Within Section XI Jurisdiction	Outside Section XI Jurisdiction	
<p>Paragraph E of FSAR 6.6.8, "Augmented Inservice Inspection To Protect Against Postulated Piping Failures", requires the surface examination once during each 10-year interval of 100% of the following welds: All welds at Containment penetrations M7, M9, M10, M11, M51, M52, and M53 between the Containment Isolation Valves. The closure-plate-to-pipe welds located outside the Reactor Containment Building need not be examined.</p> <p>Descriptions of these penetrations are as follows:</p> <p>M7 - CVCS, Normal Letdown M9 - CVCS, Seal Water to RCP "A" M10 - CVCS, Seal Water to RCP "B" M11 - CVCS, Seal Water to RCP "C" M51 - Blowdown, Steam Gen "A" M52 - Blowdown, Steam Gen "B" M53 - Blowdown, Steam Gen "C"</p> <p>These welds were selected for examination due to an NRC concern, first published in the early 1970s, about High Energy Line Breaks outside containment which could challenge safety systems by rapidly over-cooling the RCS. These concerns are addressed in FSAR 3.6.2 and Standard Review Plan 3.6.2 with the accompanying NRC Branch Technical position MEB 3-1 (both located in NUREG-0800). These resulting FSAR inspection requirements contained in FSAR 6.6.8 have been added to this ISI Plan as an augmented program.</p>	✓		<p>FSAR / 6.6.8E / B07-02</p>



AUGMENTED PROGRAM COMMITMENT-7

Commitment Description	Components Affected		Category/ Item/ Exam Requirement
	Within Section XI Jurisdiction	Outside Section XI Jurisdiction	
<p>Paragraph F of FSAR 6.6.8, "Augmented Inservice Inspection To Protect Against Postulated Piping Failures", requires the surface examination once during each 10-year interval of 100% of the welded attachments within the boundaries defined in FSAR (b) through (e).</p> <p>Only the Blowdown piping (Penetrations M51, M52, and M53), which is inspected per FSAR 6.6.8(e), have any welded attachments.</p> <p>These welded attachments were selected for examination due to an NRC concern, first published in the early 1970s, about High Energy Line Breaks outside containment which could challenge safety systems by rapidly over-cooling the RCS. These concerns are addressed in FSAR 3.6.2 and Standard Review Plan 3.6.2 with the accompanying NRC Branch Technical position MEB 3-1 (both located in NUREG-0800). These resulting FSAR inspection requirements contained in FSAR 6.6.8 have been added to this ISI Plan as an augmented program.</p>	✓		<p>FSAR / 6.6.8F / B07-02</p>



AUGMENTED PROGRAM COMMITMENT-8

Commitment Description	Components Affected		Category/ Item/ Exam Requirement
	Within Section XI Jurisdiction	Outside Section XI Jurisdiction	
In response to IE Bulletin 88-08, Supplement 2 "Thermal Stresses in Piping Connected to Reactor Coolant Systems", an augmented program was added to the ISI Plan during the First Interval. The examinations were performed at various piping weld locations in the Charging (CS) and Safety Injection (SI) systems using an enhanced UT technique specially designed for the detection of cracking in austenitic stainless steel piping systems. The specific welds that were inspected during the First Interval have been instrumented by HNP to detect the thermal variations that caused the cracking problems in other plants. If the temperature changes are sufficient to warrant additional examinations, the ISI Plan will be modified to include a scheduled outage in which the examinations are to be performed. The welds previously examined are included in the tables contained in this ISI Inspection Plan; however, they are not scheduled for examination.	✓		IE or B-J / 88-08 or various item numbers within B-J / B09-02



CODE CASES

Code Case No.	Code Case Title	ISI Program Applicability				Remarks
		Inspection Plan	NDE Examinations	Pressure Testing	Other	
N-416	Alternative Rules for Hydrostatic Testing of Repair or Replacement of Class 2 Piping.			✓		Allows deferral of hydrostatic testing of unisolable piping to the next regularly-scheduled system hydrostatic test. Approved for generic use in Reg Guide 1.147.
N-416-1	Alternative Pressure Test Requirement for Welded Repairs or Installation of Replacement Items by Welding, Class 1, 2, and 3. (This Code Case addresses both Pressure Testing and Repair/Replacement)			✓	✓	Allows NDE of weld and a system leakage test instead of a hydrostatic test. See Relief Request 2RG-001. Note: This Code Case requires use of the 1992 Edition of ASME Section III.
N-460	Alternative Examination Coverage for Class 1 and Class 2 Welds				✓	This Code Case is used for determining which components require Code relief due to inadequate coverage per 10CFR50. If exam is >90% complete, no relief is needed. Approved for generic use in Reg Guide 1.147.
N-461	Alternative Rules for Piping Calibration Block Thickness		✓			Specifies an allowable range for calibration block thicknesses. Approved for generic use in Reg Guide 1.147, which adds a condition for the use of this Code Case.
N-481	Alternative Examination Requirements for Cast Austenitic Pump Casings	✓				Visual examinations may be substituted for volumetric and surface exams. Approved for generic use in Reg Guide 1.147.
N-491	Alternative Rules for Examination of Class 1, 2, 3 and MC Component Supports of Light-Water Cooled Power Plants	✓				Reduces the component support selections for examination by use of a sampling process. Approved for generic use in Reg Guide 1.147.
N-498	Alternative Rules for 10-Year Hydrostatic Pressure Testing for Class 1 and 2 Systems			✓		For Class 1 and 2 only. Approved for generic use in Reg Guide 1.147.



CODE CASES

Code Case No.	Code Case Title	ISI Program Applicability				Remarks
		Inspection Plan	NDE Examinations	Pressure Testing	Other	
N-498-1	Alternative Rules for 10-Year System Hydrostatic Testing for Class 1, 2, and 3 Systems			✓		For Class 3 only, per Relief Request 2RG-002.
N-509	Alternative Rules for the Selection and Examination of Class 1, 2, and 3 Integrally Welded Attachments	✓	✓			Reduces the welded-attachment examination selections to 10% of the population, similar to N-491 for Component Supports. Applying only to Class 3. See Relief Request 2R3-002.
N-521	Alternative Rules for Deferral of Inspections of Nozzle-to-Vessel welds, Inside Radius Sections, and Nozzle-to-Safe End Welds of a Pressurized Water Reactor (PWR) Vessel.	✓				Defers the RV Outlet Nozzle exams, normally scheduled for the first Period, to the end of the Interval. See Relief Request 2R1-009.
N-522	Pressure Testing of Containment Penetration Piping			✓		Allows Appendix J LLRT for Containment Penetrations (Class 2 piping). See Relief Request 2R2-006.
N-524	Alternative Examination Requirements for Longitudinal Welds in Class 1 and 2 Piping.		✓			Reduces the volume of weld required to be examined in longitudinal seams. See Relief Request 2RG-003
N-532	Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000.	✓				Reduces the number of reports to be filed with the NRC from once per Outage to once per Period. See Relief Request 2RG-004.
N-533	Alternative Requirements for VT-2 Visual Examination of Class 1 Insulated Pressure-Retaining Bolted Connections.			✓		Allows removal of insulation to be a separate activity from pressurizing the system. See Relief Request 2R1-010.
N-534	Alternative Requirements for Pneumatic Pressure Testing.			✓		Allows normal operating pressure instead of hydrostatic pressure in pneumatic testing for Class 2, and 3. See Relief Request 2RG-005.

CODE CASES

Code Case No.	Code Case Title	ISI Program Applicability				Remarks
		Inspection Plan	NDE Examinations	Pressure Testing	Other	
N-535	Alternative Requirements for Inservice Inspection Intervals.	✓				Provides more complete rules for the extension of Intervals. See Relief Request 2RG-006.
N-546	Alternative Requirements for Qualification of VT-2 Examination Personnel.			✓		Allows a broader range of alternative qualifications for personnel performing VT-2 examinations. See Relief Request 2RG-007. Note: This Code Case requires the use of the 1995 Edition of ASME Section XI.

CODE INTERPRETATIONS

Interpretation No.	Interpretation Description/Impact	Affected Code Requirement
XI-1-86-30	If an inservice examination of a component support reveals conditions described in Section XI, Division 1, IWF-3410(a), and the component support is analyzed to substantiate its integrity for its intended service and found to be acceptable, additional support examinations are not required.	IWF-2430

HNP RELIEF REQUESTS

Relief Request No.	Relief Request Description	Code Subsection(s) Affected						NRC Review Status	
		IWA	IWB	IWC	IWD	IWF	Other	Pending	Approved
2R1-001	<p>This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been deleted.</p> <p>The Relief Request numbering system is as follows: (Interval)R(Class)-(Sequential Number) The Class may be 1, 2, 3, or General.</p>								
2R1-002	<p>This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. The First Interval Relief Requests for Class 1, 2, and 3 snubbers have been combined into one General Relief Request (2RG-008).</p>								
2R1-003	<p>Relief requested for Class 1 (Category B-J) welds due to limited accessibility of the components.</p>		✓					✓	



HNP RELIEF REQUESTS

Relief Request No.	Relief Request Description	Code Subsection(s) Affected						NRC Review Status	
		IWA	IWB	IWC	IWD	IWF	Other	Pending	Approved
2R1-004	Relief requested for Class 1 (Categories B-A and B-B) Vessels due to limited accessibility of the components.		✓					✓	
2R1-005A	This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been deleted. Class 1 Valve Bodies (Category B-M-2) are addressed in another section of this Plan.								
2R1-005B	This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been deleted. Class 1 Pump Casing Welds (Category B-L-1) and Casings (Category B-L-2) are examined per ASME Code Case N-481 which has been approved for generic use in Reg Guide 1.147.								
2R1-006	Relief requested for Class 1 Full-Penetration Nozzle Welds in Vessel (Category B-D) and Dissimilar Metal Welds (Category B-F) due to limited accessibility of the components.		✓					✓	

HNP RELIEF REQUESTS

Relief Request No.	Relief Request Description	Code Subsection(s) Affected						NRC Review Status	
		IWA	IWB	IWC	IWD	IWF	Other	Pending	Approved
2R1-007	This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been deleted.								
2R1-008	Relief requested for Class 1 Integral Attachments for Vessels (Category B-H) due to limited accessibility of the component (Pressurizer).		✓					✓	
2R1-009	Relief Request for the application of Code Case N-521 for the Deferral of the Reactor Vessel Nozzle Examinations from the First Period to the end of the Interval.		✓					✓	
2R1-010	Relief Request for the application of Code Case N-533 for the removal of insulation from Class 1 bolted connections as a separate activity from pressurizing the system.		✓					✓	
2R1-011	Relief Request for Pressure Retaining welds in Reactor Vessel, Category B-A, Item(s) B1.11, B1.21, B1.22, B1.30, Category B-D, Item B3.90, Category B-F, Item B5.10 due to limited accessibility.		✓					✓	

HNP RELIEF REQUESTS

Relief Request No.	Relief Request Description	Code Subsection(s) Affected						NRC Review Status	
		IWA	IWB	IWC	IWD	IWF	Other	Pending	Approved
2R2-001	Relief requested for Class 2 Piping Welds (Categories C-F-1 and C-F-2) and for Integrally Welded Attachments for Vessels, Piping, Pumps and Valves (Category C-C) due to limited accessibility of the components.			✓				✓	
2R2-002	This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. The First Interval Relief Requests for Class 1, 2, and 3 snubbers have been combined into one General Relief Request (2RG-008).								
2R2-003	Relief requested for Class 2 Piping Welds (Categories C-F-1 and C-F-2) due to limited accessibility of the components.			✓				✓	
2R2-004	This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been deleted.								

HNP RELIEF REQUESTS

Relief Request No.	Relief Request Description	Code Subsection(s) Affected						NRC Review Status	
		IWA	IWB	IWC	IWD	IWF	Other	Pending	Approved
2R2-005	Relief requested for Class 2 Pressure Vessel Welds (Category C-A), Nozzle Welds in Vessels (Category C-B), and Integral Attachments for Vessels, Piping, Pumps and Valves (Category C-C) due to limited accessibility of the components.			✓				✓	
2R2-006	Relief Request for the application of Code Case N-522 to allow the use of Appendix J LLRT for Class 2 piping penetrations in Containment.			✓				✓	
2R2-007	Relief requested for application of the 7.5% sampling and inspection rate to all stainless steel (C-F-1) piping welds regardless of nominal wall thickness.			✓				✓	
2R3-001	This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. The First Interval Relief Requests for Class 1, 2, and 3 snubbers have been combined into one General Relief Request (2RG-008).								
2R3-002	Relief Requested for Class 3 integrally-welded attachments by application of Code Case N-509.				✓			✓	

HNP RELIEF REQUESTS

Relief Request No.	Relief Request Description	Code Subsection(s) Affected						NRC Review Status	
		IWA	IWB	IWC	IWD	IWF	Other	Pending	Approved
2RG-001	General Relief Request for the application of Code Case N-416-1 to Class 1, 2, and 3 Pressure Tests following Repairs and Replacements.		✓	✓	✓				✓ (Previously Approved)
2RG-002	General Relief Request for the application of Code Case N-498-1 to Class 1, 2, and 3 Hydrostatic Tests. (HNP is applying only to Class 3).				✓				✓ (Previously Approved)
2RG-003	General Relief Request for the application of Code Case N-524 to Class 1 and 2 Longitudinal Weld Examinations.		✓	✓				✓	
2RG-004	General Relief Request for the application of Code Case N-532 to Class 1 and 2 Repair / Replacement Documentation and ISI Summary Reports.		✓	✓				✓	
2RG-005	General Relief Request for the application of Code Case N-534 to Class 2 and 3 Pneumatic Pressure Tests.			✓	✓			✓	
2RG-006	General Relief Request for the application of Code Case N-535 to ISI Interval lengths.	✓	✓	✓	✓	✓		✓	
2RG-007	General Relief Request for the application of Code Case N-546 to the Qualification of VT-2 Examination Personnel.	✓	✓	✓	✓			✓	

HNP RELIEF REQUESTS

Relief Request No.	Relief Request Description	Code Subsection(s) Affected						NRC Review Status	
		IWA	IWB	IWC	IWD	IWF	Other	Pending	Approved
2RG-008	General Relief Request for the use of plant Technical Specifications for the examination of Class 1, 2, and 3 snubbers in lieu of the ASME Code Section XI.	✓	✓	✓	✓			✓	

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REQUEST FOR RELIEF NO. 2RI-001

This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been deleted.

The Relief Request numbering system is as follows:

(Interval)R(Class)-(Sequential Number)

The Class may be 1, 2, 3, or General.

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REQUEST FOR RELIEF NO. 2R1-002

This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been combined into one General Relief Request (2RG-008) for all Class 1, 2, and 3 snubbers.

**2R1-002
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**REQUEST FOR RELIEF NO. 2R1-003,
PRESSURE RETAINING CIRCUMFERENTIAL WELDS, CATEGORY B-J: ITEM B9.11,
AND BRANCH PIPING CONNECTION WELDS, CATEGORY B-J: ITEM B9.31 AND
STEAM GENERATOR NOZZLE-TO-SAFE-END BUTT WELDS CATEGORY B-F: ITEM
B5.70**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

Pressure retaining circumferential piping welds, and branch pipe connections welds as listed on the attachment for this Relief Request.

ASME SECTION XI CODE REQUIREMENTS:

Examination Category B-J, Item Numbers B9.11 and B9.31 and Category B-F, Item Number B5.70, require a surface (PT) and volumetric (UT) examination on greater than or equal to 4-inch nominal pipe size circumferential piping welds, and branch pipe connection welds on greater than or equal to 4-inch nominal pipe size piping.

CODE RELIEF REQUEST:

Relief is requested from performing 100 percent volumetric (UT) examination on greater than or equal to 4-inch nominal pipe size circumferential piping welds and branch pipe connection welds due to pipe configurations (e.g., reducer to tee, pipe to tee, pipe to flange) not being conducive to 100 percent volumetric (UT) examinations.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(g)(6)(i), relief is requested on the basis that the original examination requirements have been determined to be impractical.

Piping weld configurations (e.g., reducer to tee, pipe to tee, pipe to flange) are not conducive to performing 100 percent volumetric (UT) examination from both sides of the weld, as required by ASME Section XI. Some arrangements and details of the piping systems and components were designed and fabricated before the access and examination requirements of the ASME Section XI Code could be applied. Consequently some exams are limited or not practical to perform due to geometric configuration or accessibility. The limitations exist at fitting to fitting joints, where geometry and surface conditions preclude ultrasonic coupling, or access for the required scan length is limited (Reference the attached list indicating the estimates of Code-required examination coverage that may be completed on the individual components requiring relief).

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ALTERNATE EXAMINATIONS:

Welds will be volumetrically (UT) examined, to the maximum extent possible, in accordance with the Inservice Inspection Program schedule. In addition, piping systems and components are subject to routine pressure tests and visual (VT-2) examination during refueling outages.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

Required ASME Section XI Code volumetric (UT) examinations can not be 100 percent completed on listed piping welds due to piping configurations not being conducive to volumetric (UT) examinations.

During preservice and First Interval activities, examinations in limited areas were accomplished as a best-effort attempt to cover as much of the Code-required area or volume as possible. However, the extent of examination coverage could not be specifically quantified as being 100 percent. These limited areas are documented on each applicable examination data sheet, and the limiting cause noted. These same areas are being examined during the current Second Interval with the same limitations expected.

The principal basis of partial examination is the inability to examine 100 percent of the required base metal volume beyond the edge of the weld on a fitting or component. Examples include:

- (1) Ultrasonic examination of a pipe-to-elbow assembly, where scanning on the intrados (inside concave curvature) of the elbow causes decoupling of the sound beam and;
- (2) A pipe-to-flange or pipe-to-valve assembly where scanning the entire volume on the fitting or component side is limited by configuration. The resulting coverage is such that examination of the weld, heat-affected zone and base metal is incomplete on the pipe side scan, depending on the calibrated sweep length, attenuation, joint configuration, etc. However, the volume on the fitting or component side additionally cannot be scanned completely. In either or both cases, 100 percent of the Code-required volume cannot be assured, thus a partial examination is required as a disclaimer to having satisfied Code requirements, albeit the intent is satisfied to the extent practical.

Specific limitations and restrictions for all examinations are as indicated on the attached list and the specific non-destructive testing data sheets. The attached list has an estimate of the amount of the Code-required coverage obtained in previous examinations. The same coverage is expected during the current Second Interval.

No impact on plant quality, safety, or reliability is expected since the welds are examined to the maximum extent practical and since the systems are pressure tested and visually (VT-2) examined during refueling outages.

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IMPLEMENTATION SCHEDULE:

This Request for Relief (2R1-003) is applicable to the HNP Second Ten (10) Year Interval Inservice Inspection Program.

**2R1-003
Attachment**

COMPONENT	CAT	ITEM	EXAM	COMMENTS
II-FMR-01RC-10-17-FW-2	B-F	B5.70	UT-45L	CIRC. 67%, AXIAL 50% COMPLETE
II-FMR-01RC-10-17-FW-3	B-F	B5.70	UT-45L	CIRC. 67%, AXIAL 50% COMPLETE
II-FMR-02RC-10-18-FW-2	B-F	B5.70	UT-45L	CIRC. 67%, AXIAL 50% COMPLETE
II-FMR-02RC-10-18-FW-3	B-F	B5.70	UT-45L	CIRC. 67%, AXIAL 50% COMPLETE
II-FMR-03RC-10-19-FW-2	B-F	B5.70	UT-45L	CIRC. 67%, AXIAL 50% COMPLETE
II-FMR-03RC-10-19-FW-3	B-F	B5.70	UT-45L	CIRC. 67%, AXIAL 50% COMPLETE
II-FMR-03RC-10-19-SW-N2	B-J	B9.31	UT-45L	CIRC. 67%, AXIAL 50% COMPLETE
II-FMR-03RC-10-19-SW-N3	B-J	B9.31	UT-45L	CIRC. 67%, AXIAL 50% COMPLETE
II-RC-009RC-FW-1	B-J	B9.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-RC-023RC-FW-327	B-J	B9.11	UT-45S	CIRC. 63%, AXIAL 50% COMPLETE
II-RC-023RC-SW-B4	B-J	B9.11	UT-45S	CIRC. 80%, AXIAL 50% COMPLETE
II-RC-023RC-SW-B5	B-J	B9.11	UT-45S	CIRC. 90%, AXIAL 50% COMPLETE
II-RC-023RC-SW-C13	B-J	B9.11	UT-45S	CIRC. 73%, AXIAL 50% COMPLETE
II-RC-023RC-SW-C9	B-J	B9.11	UT-45S	CIRC. 87%, AXIAL 50% COMPLETE
II-RC-024RC-FW-318	B-J	B9.11	UT-45S	AXIAL 50% COMPLETE
II-RC-025RC-FW-331	B-J	B9.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-RC-025RC-SW-A3	B-J	B9.11	UT-45S	CIRC. 85%, AXIAL 50% COMPLETE
II-RC-027RC-SW-A11	B-J	B9.11	UT-45S	AXIAL 50% COMPLETE
II-RH-009RC-FW-292	B-J	B9.11	UT-50S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-017RC-FW-297	B-J	B9.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-021RC-FW-300	B-J	B9.11	UT-53S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-022RC-FW-301	B-J	B9.11	UT-53S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-023RC-FW-299	B-J	B9.11	UT-53S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-024SI-FW-588	B-J	B9.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-025SI-FW-536	B-J	B9.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-026SI-FW-543	B-J	B9.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-027RC-FW-298	B-J	B9.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-027SI-FW-542	B-J	B9.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-028RC-FW-296	B-J	B9.11	UT-45S	CONFIGURATION OF NOZZLE

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**REQUEST FOR RELIEF NO. 2R1-004,
PRESSURE RETAINING WELDS IN REACTOR VESSEL, CATEGORY B-A, ITEM B1.40,
AND PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR
VESSEL, CATEGORY B-B, ITEM B2.11:**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

Pressure retaining welds in reactor vessel, and in vessels other than the reactor vessel, as listed on the attachment for this relief request.

ASME SECTION XI CODE REQUIREMENTS:

Examination Category B-A, Item Number B1.40 requires volumetric and surface. Examination Category B-B, Item Number B2.11 requires a volumetric examination.

CODE RELIEF REQUEST:

Relief is requested from 100 percent volumetric (UT) examinations, due to the pressure retaining welds not being 100 percent accessible over their entire length. Volumetric (UT) examinations are limited because of obstructions such as: Welded Plates, Weld Support Plates, Nozzle Interferences, Manways, Lifting Lugs.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(g)(6)(i), relief is requested on the basis that the original examination requirements have been determined to be impractical.

Numerous obstructions (e.g., manways, nozzle, support plates, lifting lugs) prevent a 100 percent volumetric (UT) examination of listed pressure retaining welds during Inservice Inspection activities. The attached listing indicates the type of obstruction as well as the size of the obstruction, when applicable. The limitations/obstructions have been documented on the applicable preservice and First Interval data sheet(s) and are available at the plant site for review. These same areas are being examined during the current Second Interval with the same limitations expected.

ALTERNATE EXAMINATIONS:

The Reactor Vessel, Pressurizer and Steam Generator pressure retaining welds are volumetrically (UT) examined, to the maximum extent possible, in accordance with the Inservice Inspection Program schedule. In addition, the components are subject to pressure tests and visual (VT-2) examinations during refueling outages.

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TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

Pressure retaining welds in the Reactor Vessel and other vessels (Steam Generators and Pressurizer) have been volumetrically (UT) examined to the maximum extent possible during preservice and First Interval inspection activities. The design of the components present obstructions that will not allow 100 percent volumetric (UT) examinations to be performed. The vessels were subject to fabrication/construction code volumetric and surface examinations and First Interval inservice examinations, as applicable. During preservice and First Interval activities, examinations in limited areas were accomplished as a best-effort attempt to cover as much of the Code-required area or volume as possible. However, the extent of examination coverage could not be specifically quantified as being 100 percent. These limited areas are documented on each applicable examination data sheet, and the limiting cause noted. These same areas are being examined during the current Second Interval with the same limitations expected.

No impact on overall plant quality, safety, or reliability is expected, since the welds have been subject to extensive construction code and inservice examinations. In addition, the pressure retaining welds are subject to pressure tests and visual (VT-2) examination during refueling outages.

IMPLEMENTATION SCHEDULE:

This Request for Relief (2RI-004) is applicable to the HNP Second Ten (10) Year Interval Inservice Inspection Program.

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2R1-004

Attachment

COMPONENT	CAT	ITEM	EXAM	COMMENTS
II-PZR-01STHW-01A,B,C	B-B	B2.11	UT-00 & UT-45S	OBSTRUCTED BY 8 3"X3" WELD PADS & 5 INSTRUMENT PORTS - 88% COMPLETE
II-PZR-01STHW-01A,B,C	B-B	B2.11	UT-60S	LIMITED BY 8 3" X 3" WELD PADS; 5 INSTRUMENT PORTS, & SUPPORT SKIRT - 88% COMPLETE
II-RV-001FTHW-RV-18FA,B,C	B-A	B1.40	UT-00 UT-45S & UT-60S	LIFTING LUG INTERFERENCE - 48% COMPLETE

2R1-004

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REQUEST FOR RELIEF NO. 2RI-005 (A): VALVE BODIES, EXCEEDING 4 IN. NOMINAL PIPE SIZE, CATEGORY B-M-2: ITEM B12.50.

This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been deleted. Class 1 Valve Bodies (Category B-M-2) are addressed in Section 2 of this Plan.

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REQUEST FOR RELIEF NO. 2RI-005 (B), CATEGORY B-L-1: PRESSURE RETAINING WELDS IN PUMP CASINGS, ITEM B12.10, AND CATEGORY B-L-2 PUMP CASINGS, ITEM B12.20.

This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been deleted. Class 1 Pump Casing Welds (Category B-L-1) and Class 1 Pump Casings (Category B-L-2) are addressed in Section 5 of this Plan. They are examined per ASME Code Case N-481 which has been approved for generic use in Reg Guide 1.147.

**2RI-005 (B)
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**REQUEST FOR RELIEF NO. 2R1-006, FULL PENETRATION WELDS OF
NOZZLES IN VESSELS, CATEGORY B-D, ITEMS B3.110, B3.130, AND
PRESSURE RETAINING DISSIMILAR METAL WELDS, CATEGORY B-F, ITEM B5.40:**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

Full penetration welds of nozzles in vessels and pressure retaining dissimilar welds, as listed on the attachment for this relief request.

ASME SECTION XI CODE REQUIREMENT:

Examination Category B-D, Item Numbers B3.110, B3.130, requires an inservice volumetric (UT) examination. Examination Category B-F, Item Number B5.40, requires an inservice volumetric and surface examination.

CODE RELIEF REQUEST:

Relief is requested from 100 percent volumetric (UT) examination due to nozzle configurations not being conducive to 100 percent volumetric (UT) examination, and/or component obstructions not allowing 100 percent volumetric (UT) examination(s) to be performed (see attached listing indicating applicable situations for each weld).

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(g)(6)(i), relief is requested on the basis that the original examination requirements have been determined to be impractical.

In accordance with the requirements of ASME Section XI Code, nozzle-to-vessel welds require volumetric (UT) examination from two (2) sides of the weld in order to be 100 percent complete. Due to nozzle configurations of these components, 100 percent volumetric (UT) examinations are limited, mostly, to the shell-side of the nozzle welds. In addition, shell-side examinations are limited, somewhat, due to obstructions (e.g., insulation tabs, heater obstructions). The Pressurizer nozzle-to-safe-end butt welds are also limited due to nozzle configurations and insulation tab obstructions. Volumetric (UT) examinations in limited areas, are accomplished as a best-effort attempt to cover as much of the Code-required area or volume as possible. The conditions listed on the attachment to this relief request were noted during the Preservice Examination and the First Interval. The same limitations are expected to occur in this current Second Interval. Examination data sheets for the previous examinations are available at the site for review.

ALTERNATE EXAMINATIONS:

Volumetric (UT) examinations are performed to the maximum extent possible from one side of the welds. In addition, component welds are subject to routine pressure tests during refueling outages in which visual (VT-2) examinations are performed.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

Nozzle-to-vessel welds and nozzle-to-safe-end butt welds are not conducive to two-sided volumetric (UT) examination due to nozzle configurations. In addition, obstructions, which are a part of the component design, prevent accessibility to the weld volume to perform 100 percent volumetric (UT) examination.

Components were subject to 100 percent volumetric and surface examinations during fabrication/construction, which provides a very high confidence level of structural integrity. Components were also hydrostatically tested per the construction/fabrication Code during construction.

No impact on plant quality, safety or reliability is expected, as these components are examined to the maximum extent possible. They are also subject to routine pressure tests and visual (VT-2) examinations in order to ensure component integrity.

IMPLEMENTATION SCHEDULE:

This Request for Relief (2RI-006) is applicable to the HNP Second Ten (10) Year Interval Inservice Inspection Program.



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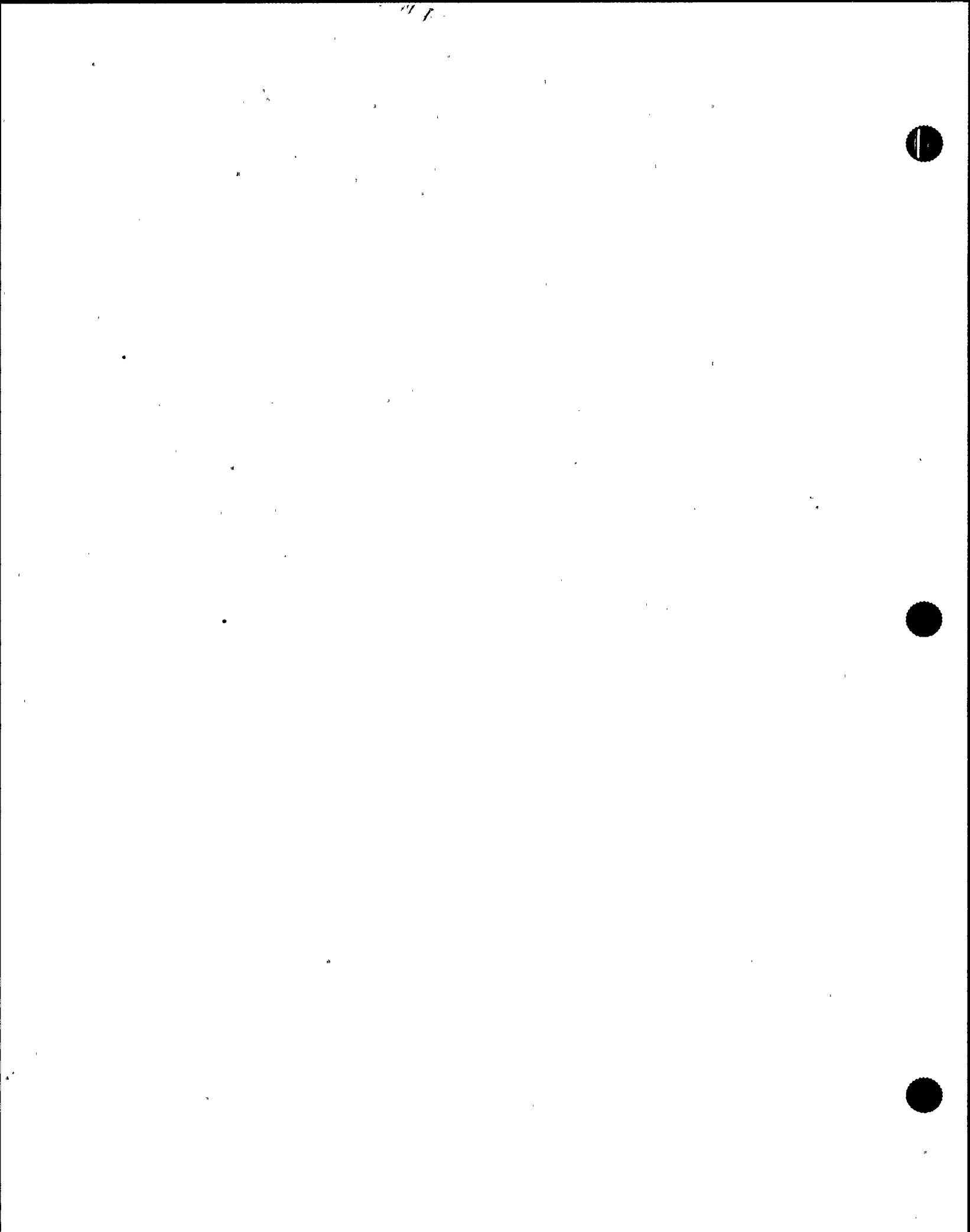
**2R1-006
Attachment**

COMPONENT	CAT	ITEM	EXAM	COMMENTS
II-PZR-01NSEW-15	B-F	B5.40	UT-50S	OBSTRUCTED-4 INSULATION TABS; 45% COMPLETE
II-PZR-01NSEW-16	B-F	B5.40	UT-45S	INCOMPLETE NOZZLE SIDE- NOZZLE CONFIG. - 50% COMPLETE
II-PZR-01NSEW-17	B-F	B5.40	UT-45S	INCOMPLETE NOZZLE SIDE- NOZZLE CONFIG. - 50% COMPLETE
II-PZR-01NSEW-18	B-F	B5.40	UT-45S	INCOMPLETE NOZZLE SIDE- NOZZLE CONFIG. - 50% COMPLETE
II-PZR-01NSEW-19	B-F	B5.40	UT-45S	INCOMPLETE NOZZLE SIDE- NOZZLE CONFIG. - 50% COMPLETE
II-PZR-01NSEW-20	B-F	B5.40	UT-45S	INCOMPLETE NOZZLE SIDE- NOZZLE CONFIG. - 50% COMPLETE
II-PZR-01NTHW-08	B-D	B3.110	UT-00 & UT-45S	HEATER OBSTRUCTION 3" FROM WELD C/L - 40% COMPLETE
II-PZR-01NTHW-08	B-D	B3.110	UT-60S	HEATER OBSTRUCTION 3" FROM WELD C/L - 35% COMPLETE
II-PZR-01NTHW-09	B-D	B3.110	UT-00 UT-45S & UT-60S	SHELL SIDE ONLY - 50% COMPLETE
II-PZR-01NTHW-10	B-D	B3.110	UT-00 UT-45S & UT-60S	SHELL SIDE ONLY - 50% COMPLETE
II-PZR-01NTHW-11	B-D	B3.110	UT-00 UT-45S & UT-60S	SHELL SIDE ONLY - 50% COMPLETE
II-PZR-01NTHW-12	B-D	B3.110	UT-00 UT-45S & UT-60S	SHELL SIDE ONLY - 50% COMPLETE
II-PZR-01NTHW-13	B-D	B3.110	UT-00 UT-45S & UT-60S	SHELL SIDE ONLY - 50% COMPLETE
II-SG-001SGA- CLNTVW-12	B-D	B3.130	UT-00 UT-45S & UT-60S	SHELL SIDE ONLY; INSULATION TABS (8) - 49% COMPLETE

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II-SG-001SGA- HLNTVW-07	B-D	B3.130	UT-00 UT-45S & UT-60S	SHELL SIDE ONLY; INSULATION TABS (9) - 49% COMPLETE
II-SG-001SGB- CLNTVW-12	B-D	B3.130	UT-00 UT-45S & UT-60S	SHELL SIDE ONLY; INSULATION TABS (6) - 49% COMPLETE
II-SG-001SGB- HLNTVW-07	B-D	B3.130	UT-00	SHELL SIDE ONLY; INSULATION TABS (5) - 49% COMPLETE
II-SG-001SGB- HLNTVW-07	B-D	B3.130	UT-45S	SHELL SIDE ONLY; INSULATION TABS (2) - 49% COMPLETE
II-SG-001SGB- HLNTVW-07	B-D	B3.130	UT-60S	SHELL SIDE ONLY; INSULATION TABS (3) - 49% COMPLETE
II-SG-001SGC- CLNTVW-12	B-D	B3.130	UT-00	SHELL SIDE ONLY; INSULATION TABS (5) - 49% COMPLETE
II-SG-001SGC- CLNTVW-12	B-D	B3.130	UT-45S	SHELL SIDE ONLY; INSULATION TAB - 49% COMPLETE
II-SG-001SGC- CLNTVW-12	B-D	B3.130	UT-60S	SHELL SIDE ONLY; INSULATION TABS (3) - 49% COMPLETE
II-SG-001SGC- HLNTVW-07	B-D	B3.130	UT-00	SHELL SIDE ONLY; INSULATION TABS (3) - 49% COMPLETE
II-SG-001SGC- HLNTVW-07	B-D	B3.130	UT-45S	SHELL SIDE ONLY; INSULATION TABS (2) - 49% COMPLETE
II-SG-001SGC- HLNTVW-07	B-D	B3.130	UT-60S	SHELL SIDE ONLY; INSULATION TABS (3) - 49% COMPLETE

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REQUEST FOR RELIEF NO. 2R1-007

This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been deleted.

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**REQUEST FOR RELIEF NO. 2RI-008, INTEGRAL ATTACHMENTS FOR VESSELS,
CATEGORY B-H, ITEM B8.20:
COMPONENTS FOR WHICH RELIEF IS REQUESTED:**

Integrally-welded attachments on the Pressurizer, as listed on the attachment for this relief request.

ASME SECTION XI CODE REQUIREMENT:

Examination Category B-H, Item Number B8.20, requires an inservice surface or volumetric examination, as applicable, to be performed on integrally-welded attachments to the Pressurizer.

CODE RELIEF REQUEST:

Relief is requested from performing an inservice 100% surface examination on integral attachments to the Pressurizer, due to attachments' configuration not allowing access to 1/2 in. of the base material, past the top end of the welds.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(g)(6)(i), relief is requested on the basis that the original examination requirements have been determined to be impractical.

The design of integrally-welded attachments on the Pressurizer does not allow access to the Code-required 1/2 inch of base material to facilitate 100% surface examination as required by the ASME Section XI Code.

ALTERNATE EXAMINATION:

The inaccessible portions of the attachments are visually (VT-1) examined to ensure structural integrity.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The integrally-welded attachments are surface examined to the maximum extent possible, which is essentially 100% of the weld length. The inaccessible portions of the attachments are visually (VT-1) examined to ensure structural integrity. No impact on plant quality, safety or reliability is expected since the attachments are periodically examined to ensure structural integrity.

IMPLEMENTATION SCHEDULE:

This Request for Relief (2RI-008) is applicable to the HNP Second Ten (10) Year Interval Inservice Inspection Program.

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Attachment

COMPONENT	CAT	ITEM	EXAM	COMMENTS
II-PZR-01SBW-A1A	B-H	B8.20	MT	½" BASE METAL PAST TOP END OF WELD OBSTRUCTED
II-PZR-01SBW-A1B	B-H	B8.20	MT	½" BASE METAL PAST TOP END OF WELD OBSTRUCTED
II-PZR-01SBW-A2A	B-H	B8.20	MT	½" BASE METAL PAST TOP END OF WELD OBSTRUCTED
II-PZR-01SBW-A2B	B-H	B8.20	MT	½" BASE METAL PAST TOP END OF WELD OBSTRUCTED
II-PZR-01SBW-A3A	B-H	B8.20	MT	½" BASE METAL PAST TOP END OF WELD OBSTRUCTED
II-PZR-01SBW-A3B	B-H	B8.20	MT	½" BASE METAL PAST TOP END OF WELD OBSTRUCTED
II-PZR-01SBW-A4A	B-H	B8.20	MT	½" BASE METAL PAST TOP END OF WELD OBSTRUCTED
II-PZR-01SBW-A4B	B-H	B8.20	MT	½" BASE METAL PAST TOP END OF WELD OBSTRUCTED

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**REQUEST FOR RELIEF NO. 2R1-009,
APPLICATION OF CODE CASE N-521 FOR THE DEFERRAL OF REACTOR VESSEL
OUTLET NOZZLE WELDS FROM THE FIRST PERIOD TO THE END OF THE INTERVAL.**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

This request is for Class 1 Reactor Vessel Outlet-Nozzle-to-Shell welds (Category B-D), Nozzle Inside Radius Sections (Category B-D), and Nozzle-to-Safe-End welds (Category B-F).

ASME SECTION XI CODE REQUIREMENTS:

The ASME Code Section XI, 1989 Edition with no Addenda, Table IWB-2500-1 requires inspection of Reactor Vessel Outlet Nozzle welds and areas in Category B-D, "Full Penetration Welded Nozzles in Vessels" and in Category B-F, "Pressure-Retaining Dissimilar Metal Welds". Per Note (2) in Table IWB-2500-1, Category B-D, at least 25% but not more than 50% of the nozzles shall be examined by the end of the first period with the remainder being inspected by the end of the Interval. Since the Outlet Nozzles are the only nozzles that can be examined without removal of the Core Barrel, the Outlet Nozzles are routinely examined during the first Period of each Interval.

CODE RELIEF REQUEST:

The ASME Code Committee has approved Code Case N-521, "Alternative Rules for Deferral of Inspections of Nozzle-to-Vessel Welds, Inside Radius Sections, and Nozzle-to-Safe End Welds of a Pressurized Water Reactor (PWR) Vessel". Relief is requested to use ASME Code Case N-521 for deferral of the Reactor Vessel Outlet Nozzle examinations to the end of the Interval.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(a)(3)(ii), relief is requested on the basis that compliance with the original examination requirements would result in hardship or unusual difficulty without a compensating increase in the level of quality and safety.

Code Case N-521 has already been approved by the Section XI Code Committee, thus providing an alternative to the very costly and time-consuming first period examinations. The original concerns of the ASME Code Committee about Reactor Vessel Nozzle welds and associated high-stress areas led to the requirement to inspect all available areas as early as possible in each Interval. The nozzles that are available during the first period without removal of the Core Barrel and nuclear fuel are the Outlet nozzles. However, this concern over the nozzles has proven through industry experience to be very conservative and has not been a good predictor of material problems.

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In the Code Case, the ASME Code Committee has stated that the Code Case may be used if the Reactor in question complies with the following conditions :

- (a) No inservice repairs or replacements by welding have ever been performed on any of the Nozzle-to-Vessel welds, Inside Radius Sections, or Nozzle-to-Safe End Welds.
- (b) None of the Nozzle-to-Vessel Welds, Inside Radius Sections, or Nozzle-to-Safe End Welds contains identified flaws or relevant conditions that currently require successive inspections in accordance with IWB-2420(b), and
- (c) The unit is not in the first inspection interval.

The HNP Reactor Vessel complies with these requirements. Therefore, this Code Case is applicable to HNP.

ALTERNATE EXAMINATIONS:

Code Case N-521 is to be applied as alternative rules to all Reactor Vessel Nozzle Welds. The required examinations are performed at or near the end of the Interval along with the other Reactor Vessel welds.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The proposed alternative provides an acceptable level of quality and safety since the nozzles still receive the same high-quality examinations that have been required by the ASME Code Section XI ever since the Reactor was placed in commercial service. The only change is that the nozzle welds and areas are now examined at the same time as the remainder of the Reactor Vessel welds and areas. No changes are being made to the volumes or areas of material that are inspected nor to nondestructive examination (NDE) personnel qualifications. Neither are there any changes to NDE methods or acceptance criteria.

IMPLEMENTATION SCHEDULE:

This Relief Request (2R1-009) is applicable to the HNP Second 10-Year Interval Inservice Inspection Program.

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**REQUEST FOR RELIEF NO. 2R1-010,
APPLICATION OF CODE CASE N-533 TO THE VT-2 VISUAL EXAMINATION OF
INSULATED CLASS 1 PRESSURE-RETAINING BOLTED CONNECTIONS.**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

This request is for Class 1 pressure-retaining bolted connections.

ASME SECTION XI CODE REQUIREMENTS:

The ASME Code Section XI, 1989 Edition with no Addenda, IWA-5242(a) requires that for systems borated for the purpose of controlling reactivity, the insulation must be removed from pressure-retaining bolted connections in order to perform visual (VT-2) examinations.

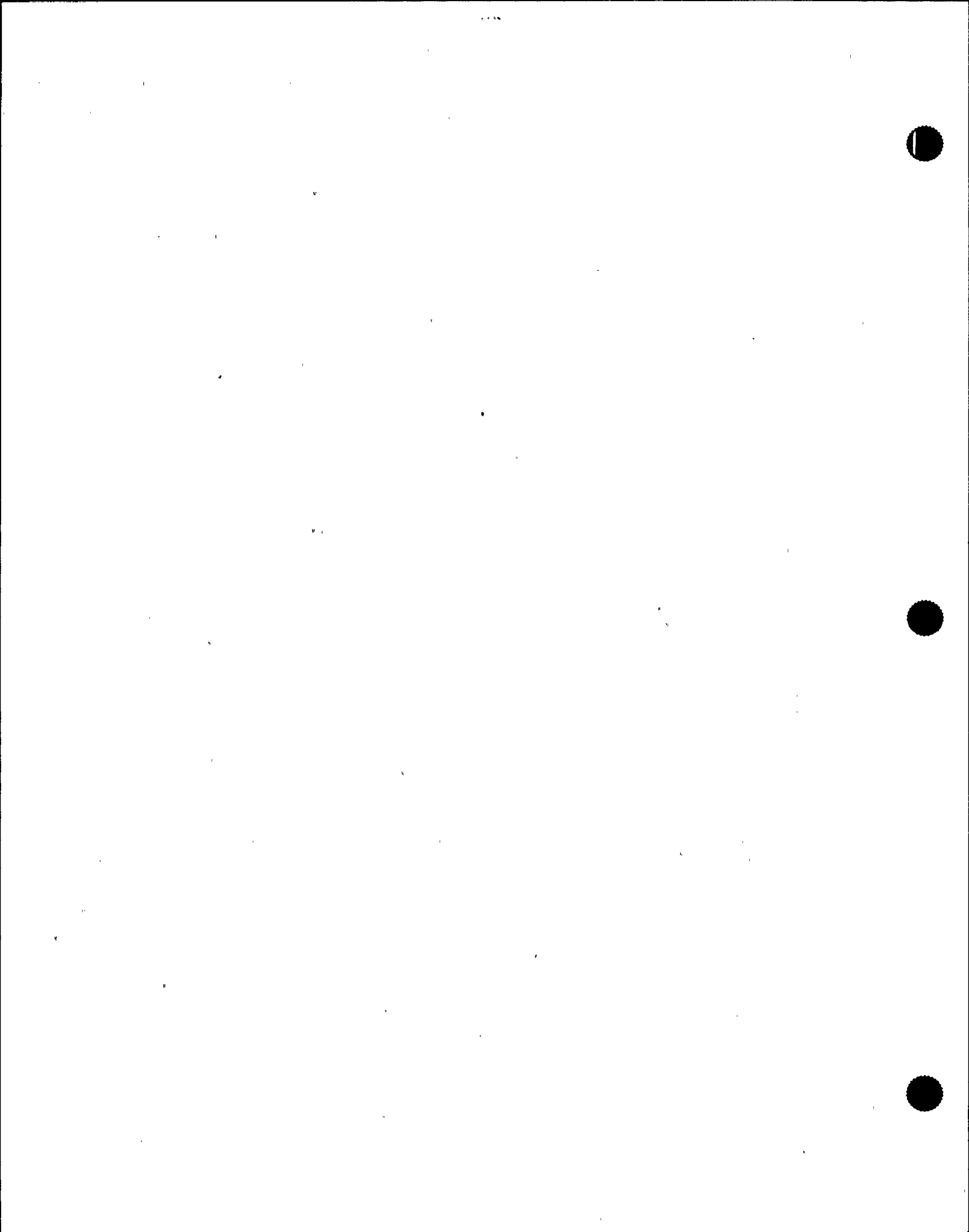
CODE RELIEF REQUEST:

The ASME Code Committee has approved Code Case N-533, "Alternative Requirements for VT-2 Visual Examination of Class 1 Insulated Pressure-Retaining Bolted Connections". Relief is requested to use ASME Code Case N-533 for the VT-2 visual examination of insulated Class 1 pressure-retaining bolted connections.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(a)(3)(ii), relief is requested on the basis that compliance with the original examination requirements would result in hardship or unusual difficulty without a compensating increase in the level of quality and safety.

Code Case N-533 has already been approved by the Section XI Code Committee, thus providing an alternative to the examination of insulated Class 1 pressure-retaining bolted connections. The concern that led to the Section XI requirement for removal of insulation on bolted connections, while performing pressure testing and VT-2 examinations, is that a borated-water leak from a bolted connection could cause corrosion of the bolting materials. The weakening of the bolting could be hidden by the insulation if it were not removed. Thus, the structural integrity of a safety-related system could be compromised by a small leak that could be unnoticed if the insulation remains in place during the pressure testing and VT-2 examination. The removal and reinstallation of insulation is often a critical path activity which directly affects the duration of refueling outages and therefore places a hardship on the financial viability of the plant.



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Code Case N-533 addresses the structural integrity concerns while allowing the tests to be performed in a manner that reduces the critical path impact of the testing. Code Case N-533 essentially divides the pressure testing and the VT-2 examination into two activities that need not be performed at the same time. This division allows the work to be spread out during an outage, therefore reducing the impact on the outage duration. In the Code Case, the Code Committee has stated that the following requirements must be met:

- (a) A system pressure test and VT-2 visual examination shall be performed each refueling outage without removal of insulation.
- (b) Each refueling outage the insulation shall be removed from the bolted connection, and a VT-2 visual examination shall be performed. The connection is not required to be pressurized. Any evidence of leakage shall be evaluated in accordance with IWA-5250.

ALTERNATE EXAMINATIONS:

Code Case N-533 is to be applied as alternative rules for the pressure testing and visual VT-2 examination of Class 1 pressure-retaining bolted connections.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The proposed alternative provides an acceptable level of quality and safety since the insulated Class 1 bolted connections still receive pressure testing and visual VT-2 examinations each refueling outage. There are no changes being made to the areas that are inspected nor to visual VT-2 personnel qualifications. Neither are there any changes to acceptance criteria.

IMPLEMENTATION SCHEDULE:

This Relief Request (2R1-010) is applicable to the HNP Second 10-Year Interval Inservice Inspection Program.

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REQUEST FOR RELIEF NO. 2R1-011,
PRESSURE RETAINING WELDS IN REACTOR VESSEL, CATEGORY B-A, ITEM(S) B1.11,
B1.21, B1.22, B1.30, CATEGORY B-D, ITEM B3.90, CATEGORY B-F, ITEM B5.10

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

B1.11	II-RV-001STHW-RV-04	Lower shell to bottom head
B1.21	II-RV-001CHW-RV-17	Bottom Head Dome
B1.22	II-RV-001MHW-RV-16	Meridional @45°
B1.30	II-RV-001FTSW-RV-01	Flange to Upper Shell
B3.90	II-RV-001RVNOZBO-N-02	Outlet Nozzle @265°
B3.90	II-RV-001RVNOZCO-N-04	Outlet Nozzle @145°
B3.90	II-RV-001RVNOZAO-N-06	Outlet Nozzle @25°
B5.10	II-RV-001RVNOZAI-N-01-SE	Safe End to Inlet Nozzle @335°
B5.10	II-RV-001RVNOZBO-N-02-SE	Outlet Nozzle to Safe End @265°

ASME SECTION XI CODE REQUIREMENTS:

ASME Section XI, 1989 Edition with no Addenda
 Examination Category B-A, Item Number B1.11, B1.21, B1.22, B1.30
 Examination Category B-D, Item Number B3.90
 Examination Category B-F, Item Number B5.10

CODE RELIEF REQUEST:

Relief is requested from 100 percent volumetric (UT) examination coverage due to pressure retaining welds not being 100 percent accessible over the entire length. The examinations are limited because of physical obstructions and surface geometry such as instrumentation tubes, support lugs, weld transition, integral extension and counterbore geometry.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(g)(6)(i), relief is requested on the basis that the original examination requirements have been determined to be impractical.

The subject welds received limited examination coverage due to physical obstructions and nonconductive geometric surface conditions. The obstructions physically prevents 100 percent examination coverage of the subject weld volume. The nonconductive geometric surface conditions prevent sufficient sound propagation into the weld examination volume at specific locations, therefore 100 percent examination coverage is not achievable.

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ALTERNATE EXAMINATIONS:

The Reactor Vessel pressure retaining welds are volumetrically (UT) examined to the maximum extent possible in accordance with the Inservice Inspection Program schedule. In addition, the welds are subject to (VT-2) pressure tests during each refueling outage.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

Pressure retaining welds in the Reactor Vessel have been volumetrically (UT) examined to the maximum extent possible during preservice and First Interval Inservice examinations with no rejectable indications noted. The design configuration introduces obstructions and nonconductive surface conditions that prevent 100 percent volumetric examination coverage. The minimal number and magnitude of indications recorded during the PSI and first interval ISI examinations indicate that the majority of the vessel examination volume is free of detrimental discontinuities. Therefore, the likelihood of the limited areas not examined due to physical obstructions having a rejectable indication is minimal. The RPV examinations have been performed utilizing the state of the art examination equipment, techniques and data recording/analysis systems. Additionally, Performance Demonstration Initiative procedures, qualified personnel and techniques were utilized as a conservative measure to incorporate the current industry practice and technology.

CONCLUSION

No impact on overall plant quality, safety or reliability is expected, since the welds have been subject to extensive construction code, pre-service, and in-service examinations. In addition, the pressure retaining welds are subject to (VT-2) pressure tests during refueling outages.

IMPLEMENTATION SCHEDULE:

This Relief Request (2R1-011) is applicable to the HNP Second 10-Year Interval Inservice Inspection Program.

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WELD	ITEM NO.	DESCRIPTION	COVERAGE	LIMITATION
II-RV-001STHW-RV-04	B1.11	Lower Shell to Bottom Head	80%	Radial Support Lugs and Weld Transition
II-RV-001CHW-RV-17	B1.21	Bottom Head Dome	67%	Instrumentation Tubes
II-RV-001MHW-RV-16	B1.22	Meridional @45°	90%	Instrumentation Tubes No Relief Requested (See Int.1 RR R1-004)
II-RV-001FTSW-RV-01	B1.30	Flange to Upper Shell	67%	ID Surface Taper
II-RV-001RVNOZBO-N-02	B3.90	Outlet Nozzle @265°	80%	Integral Extension
II-RV-001RVNOZCO-N-04	B3.90	Outlet Nozzle @145°	80%	Integral Extension
II-RV-001RVNOZAO-N-06	B3.90	Outlet Nozzle @25°	80%	Integral Extension
II-RV-001RVNOZAI-N-01-SE	B5.10	Safe End to Inlet Nozzle @335°	74%	ID Surface Counterbore
II-RV-001RVNOZBO-N-02-SE	B5.10	Outlet Nozzle to Safe End @265°	76%	ID Surface Counterbore

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REQUEST FOR RELIEF NO. 2R2-001:

PRESSURE RETAINING WELDS IN PIPING, CATEGORY C-F-2, ITEM: C5.51; AND INTEGRALLY-WELDED ATTACHMENTS FOR VESSELS, PIPING, PUMPS AND VALVES, CATEGORY C-C, ITEMS: C3.20 and 3.30.

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

Class 2 pressure retaining circumferential piping welds; and Class 2 integrally-welded attachments on vessels, piping, pumps and valves as listed on the attachment for this relief request.

ASME SECTION XI CODE REQUIREMENTS:

Examination Category C-F-2, Item Number C5.51, requires that on pressure-retaining circumferential welds in piping (greater than or equal to 3/8-inch nominal wall thickness and greater than 4-inch NPS), an inservice surface and volumetric examination be performed. Examination Category C-C, Item Numbers C3.20 and C3.30, requires an inservice surface examination be performed on integrally-welded attachments meeting the following condition:

- (1) The attachment base material design wall thickness is 3/4 in. or greater.

CODE RELIEF REQUEST:

Relief is requested from performing 100% volumetric and/or surface examinations on listed circumferential piping welds (greater than or equal to 3/8-inch nominal wall thickness and greater than 4-inch NPS) and listed integrally-welded attachments due to component configurations (pumps, valves) not being conducive to examination, and/or structural obstructions (permanent hangers, saddle plates, support structures, or intervening members for other systems) not allowing accessibility to perform 100% surface and/or volumetric examination, as applicable (see listing for component identification and predicted completion percentages, based on Preservice baseline and First Interval information, for the appropriate examinations).

ALTERNATE EXAMINATIONS:

Circumferential piping welds (greater than or equal to 3/8-inch nominal wall thickness and greater than 4-inch NPS) are volumetrically (UT) examined to the maximum extent possible in accordance with the Inservice Inspection Program schedule. In addition, components are subject to routine pressure tests as well as visual (VT-2) examination.

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BASIS FOR REQUESTING RELIEF

Pursuant to 10 CFR50.55a(g)(6)(i), relief is requested on the basis that the original examination requirements have been determined to be impractical.

Component configurations (pumps, valves) and/or structural obstructions (hangers, saddle plates, support structures) will not allow 100% inservice volumetric and/or surface examination to be performed.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

Components were subject to fabrication/construction volumetric and/or surface examinations, as applicable, which provides a high confidence level of structural integrity for long-term plant operations. In addition, in response to NRC question 250.1 and FSAR Section 6.6.8, a large sample of welds in the ECCS, CHR and RHR Systems, as well as No Break Zone Criteria components were examined during Preservice activities (1,064 examinations including 525 surface and 539 volumetric) and again during the First Interval, providing additional assurance of structural integrity.

Attached to this relief request is an itemized listing of components, percentages of completion based on Preservice and First Interval data, and identification of specific reasons as to why a 100% ASME Section XI Code examinations can not be performed.

No impact on plant quality, safety or reliability is expected, as subject components are examined to the maximum extent possible, as well as be subject to routine pressure tests and visual (VT-2) examinations to ensure component integrity.

IMPLEMENTATION SCHEDULE:

This Request for Relief (2R2-001) is applicable to the HNP Second Ten (10) Year Inservice Inspection Program.

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2R2-001
Attachment

COMPONENT	CAT	ITEM	EXAM	COMMENTS
II-CSIP-1CSIP-A-WA1	C-C	C3.30	PT	80% COMPLETE - PUMP CONFIGURATION
II-CSIP-1CSIP-A-WA2	C-C	C3.30	PT	78% COMPLETE - PUMP CONFIGURATION
II-CSIP-1CSIP-A-WA3	C-C	C3.30	PT	78% COMPLETE - PUMP CONFIGURATION & NOZZLE
II-CSIP-1CSIP-A-WA4	C-C	C3.30	PT	70% COMPLETE - PUMP CONFIGURATION & FLANGED END
II-FMR-01FW-H-0212I(8)	C-C	C3.20	MT	WELD 83% COMPLETE
II-FW-002AF-FW-257	C-F-2	C5.51	UT-45S	CIRC. 50%, AXIAL 50% COMPLETE
II-FW-002AF-FW-258	C-F-2	C5.51	UT-45S	CIRC. 67% COMPLETE
II-FW-003AF-FW-269	C-F-2	C5.51	UT-45S	CIRC. 67% COMPLETE
II-FW-004AF-01-FW-2	C-F-2	C5.51	UT-45S	CIRC. 67% COMPLETE
II-MS-007MS-FW-563	C-F-2	C5.51	UT-45S	CIRC. 67% COMPLETE

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REQUEST FOR RELIEF NO. 2R2-002

This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been combined into one General Relief Request (2RG-008) for all Class 1, 2, and 3 snubbers.

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**REQUEST FOR RELIEF NO. 2R2-003,
PRESSURE RETAINING CIRCUMFERENTIAL PIPING WELDS,
CATEGORY C-F-1, ITEM: C5.11, AND CATEGORY C-F-2, ITEM: C5.51.**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

Pressure retaining circumferential piping welds as listed on the attachment for this relief request.

ASME SECTION XI CODE REQUIREMENT:

Examination Category C-F-1, Item Number C5.11, and Category C-F-2, Item Number C5.51, require surface and volumetric (UT) examination be performed on circumferential piping welds (greater than or equal to 3/8-inch nominal wall thickness and greater than 4-inch NPS).

CODE RELIEF REQUEST:

Relief is requested from performing 100% volumetric (UT) examination of circumferential piping welds (greater than or equal to 3/8-inch nominal wall thickness and greater than 4-inch NPS) due to piping configurations (e.g., reducer-to-tee, pipe-to-tee, pipe-to-flange) not being conducive to ultrasonic coupling.

ALTERNATE EXAMINATIONS:

Piping welds are volumetrically examined to the extent indicated on the attached listing for each weld.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(g)(6)(i), relief is requested on the basis that the original examination requirements have been determined to be impractical.

Piping weld configurations (e.g., reducer-to-tee, pipe-to-tee, pipe-to-flange) are not conducive to 100% volumetric (UT) examination as required by ASME Section XI Code. The arrangement and details of the piping systems and components were designed and fabricated before the access and examination requirements of ASME Section XI Code could be applied. Consequently, some examinations are limited, or not practical to perform, due to geometric configuration or accessibility. The limitations exist at fitting-to-fitting joints, where geometry and sometimes surface conditions will preclude ultrasonic coupling, or access for the required scan length is not available. Reference the attached listing of components, and percentages of completion, based on Preservice and First Interval NDE data.

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TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

Required ASME Section XI Code volumetric (UT) examination can not be 100% completed on the listed piping welds, for the second ten (10) year ISI interval, due to piping configurations not being conducive to ultrasonic coupling for 100% examination.

Ultrasonic examination are accomplished as a best-effort attempt to cover as much of the Code-required area or volume as possible. These areas, where complete examination can not be achieved, are documented on each applicable examination data sheet, and the limiting cause noted.

The principal basis of partial examination is to identify the inability to examine 100 percent of the required base metal volume beyond the edge of the weld on a fitting or component. Examples include:

- (1) Ultrasonic examination of a pipe-to-elbow assembly, where scanning on the intrados of the elbow causes decoupling of the sound beam and
- (2) A pipe-to-flange or pipe-to-valve assembly where scanning the entire volume on the fitting or component side is limited by configuration. The resulting coverage is such that examination of the weld, heat-affected zone and base metal is incomplete on the pipe side scan, depending on the calibrated sweep length, attenuation, joint configuration, etc. However, the volume on the fitting or component side additionally cannot be scanned completely. In either or both cases, 100 percent of the Code-required volume cannot be assured, thus a partial examination is required as a disclaimer to having satisfied Code requirements, albeit the intent is satisfied to the extent practical.

No impact on overall plant quality, safety, or reliability is expected since the welds are examined to the maximum extent practical and since the systems are pressure tested and visually (VT-2) examined in accordance with the ASME Section XI Code and applicable Code Cases, to ensure component integrity.

IMPLEMENTATION SCHEDULE:

This Request for Relief (2R2-003) is applicable to the HNP Second Ten (10) Year Interval Inservice Inspection Program.

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**2R2-003
Attachment**

COMPONENT	CAT	ITEM	EXAM	COMMENTS
II-CS-007SI-FW-25	C-F-1	C5.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-FW-002AF-01-FW-5	C-F-2	C5.51	UT-45S	CIRC. 67%, AXIAL 67% COMPLETE
II-FW-003AF-01-FW-4	C-F-2	C5.51	UT-45S	CIRC. 67%, AXIAL 67% COMPLETE
II-FW-004AF-01-FW-1	C-F-2	C5.51	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-FW-004AF-01-FW-3	C-F-2	C5.51	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-MS-002MS-FW-566	C-F-2	C5.51	UT-45S	CIRC. 67% COMPLETE
II-MS-002MS-FW-567	C-F-2	C5.51	UT-45S	CIRC. 67% COMPLETE
II-MS-002MS-FW-568	C-F-2	C5.51	UT-45S	CIRC. 67% COMPLETE
II-MS-002MS-FW-690	C-F-2	C5.51	UT-45S	CIRC. 67% COMPLETE
II-MS-002MS-FW-691	C-F-2	C5.51	UT-45S	CIRC. 67% COMPLETE
II-MS-002MS-FW-692	C-F-2	C5.51	UT-45S	CIRC. 67% COMPLETE
II-MS-007MS-FW-678	C-F-2	C5.51	UT-45S	CIRC. 67% COMPLETE
II-RH-001RH-FW-8	C-F-1	C5.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-RH-002RH-FW-21	C-F-1	C5.11	UT-45S	CIRC. 91%, AXIAL 82% COMPLETE
II-RH-002SI-FW-21	C-F-1	C5.11	UT-45S	CIRC. 91%, AXIAL 82% COMPLETE
II-SI-010SI-SW-B6	C-F-1	C5.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-016SI-FW-36	C-F-1	C5.11	UT-45S	AXIAL 75% COMPLETE
II-SI-019SI-FW-277	C-F-1	C5.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-025SI-FW-578	C-F-1	C5.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-025SI-FW-580	C-F-1	C5.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-025SI-FW-583	C-F-1	C5.11	UT-45S	AXIAL 71% COMPLETE
II-SI-025SI-SW-F5	C-F-1	C5.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-026SI-FW-582	C-F-1	C5.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-026SI-FW-592	C-F-1	C5.11	UT-60S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-028SI-FW-610	C-F-1	C5.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE
II-SI-029SI-SW-C14	C-F-1	C5.11	UT-45S	CIRC. 67%, AXIAL 50% COMPLETE

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REQUEST FOR RELIEF NO. 2R2-004

This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been deleted due to a change in Code inspection requirements between the 83-S83 Code used in the First Interval and the 89 Code utilized in the current Second Interval. The older Code required in Category C-F, "Pressure Retaining Welds in Piping", that all welds at terminal ends be inspected. Many of the welds at the Containment boundary are inside flued heads, valve chambers, etc. and are therefore inaccessible. These inaccessible welds were addressed in this Relief Request.

The 89 Code only requires a sampling of the terminal ends, many of which are accessible. Since the Code requirements can be met without inspecting the Containment terminal ends, this Relief Request is not needed for the Second Interval.

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REQUEST FOR RELIEF NO. 2R2-005,: PRESSURE RETAINING WELDS IN PRESSURE VESSELS, CATEGORY C-A, ITEM(S) CI.10, CI.20, CI.30; AND PRESSURE RETAINING NOZZLE WELDS IN VESSELS, CATEGORY C-B, ITEM(S) C2.21 AND C2.22

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

See attached listing for identification of components and conditions associated with each component (Preservice and First Interval data was utilized for compiling this listing).

ASME SECTION XI CODE REQUIREMENTS:

Examination category C-A, Item Numbers CI.10, CI.20, CI.30, requires volumetric (UT) examination. Category C-B, Item C2.21 requires surface and volumetric; and Item C2.22 requires volumetric (UT).

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(g)(6)(i), relief is requested on the basis that the original examination requirements have been determined to be impractical.

Weld configurations (e.g., end-cap geometry, flanges, nozzles) and obstructions (e.g., reinforcement plates, welded attachments, permanent hangers, insulation tabs, access ports) prevent 100 percent volumetric (UT) and/or surface examinations to be performed during inservice inspection activities. In addition, some nozzles on each steam generator (SG-001 SG (A), (B), (C) MSNIR-15) were designed without a nozzle radius section and the volumetric (UT) examination cannot be performed. Volumetric (UT) and surface examinations in limited areas will be accomplished as a best-effort attempt to cover as much of the Code-required area or volume as possible. During Preservice and First Interval activities, these areas, where complete examination could not be achieved, was indicated on the examiners data sheet. These data sheets are available at the HNP Site for review.

Added assurance of plant quality and safety are provided on vessel welds that are greater than 2-inches in thickness. Section XI I-2100 requires these vessel welds be examined in accordance with Article 4 of Section 5. The 1989 Edition of Article 4 adds another ultrasonic angle of examination (70-degrees) that was not previously required. This additional examination has been added to the attached list with the same estimate of coverage as was provided for the 60-degree examination.

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ALTERNATE EXAMINATION(s):

Volumetric (UT) and surface examinations are performed to the maximum extent possible during inservice inspection activities. In addition, components are subject to routine pressure tests and visual (VT-2) examinations.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

Component weld configurations and obstructions prevent 100 percent volumetric (UT) and/or surface examinations during inservice inspection activities. The arrangements and details of the piping systems and components were designed and fabricated before the access and examination requirements of the ASME Section XI Code could be applied. Consequently, some examinations, are limited, or not practical to perform, due to geometric configuration or accessibility. (Reference the attached listing of components, limitations and predicted percentages of completion, based on Preservice and First Interval NDE data sheets.)

IMPLEMENTATION SCHEDULE:

This Request for Relief (2R2-005) is applicable to the HNP Second Ten (10) Year Interval Inservice Inspection Program.

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**2R2-005
Attachment**

COMPONENT	CAT	ITEM	EXAM	COMMENTS
II-BIT-01NTHW-03	C-B	C2.21	UT-45S	HEAD SIDE ONLY - 50% COMPLETE
II-BIT-01NTHW-04	C-B	C2.21	UT-45S	HEAD SIDE ONLY - 50% COMPLETE
II-BIT-01STHW-01	C-A	C1.20	UT-45S	SHELL SIDE LIMITED; 89% COMPLETE
II-BIT-01STHW-02	C-A	C1.20	UT-45S	UPPER SIDE ONLY; INSTRUMENTATION LINE INTERFERENCE - 49% COMPLETE
II-EL-001STHW-01	C-A	C1.20	UT-45S	7" OF WELD OBSTRUCTED BY 2 NOZZLES - 82% COMPLETE
II-RHR-01RHRA-CSW-02A,B,C	C-A	C1.10	UT-45S	ONE SIDE ONLY, FLANGE: REINFORCEMENT PLATE INTERFERENCE - 50% COMPLETE
II-RHR-01RHRA-STHW-01A,B,C	C-A	C1.20	UT-45S	REINFORCEMENT PLATE INTERFERENCE - 50% COMPLETE
II-RHX-01CHTSW-02	C-A	C1.20	UT-45L	LIMITED: END CAP GEOMETRY & NOZZLE - 30% COMPLETE
II-RHX-01CHTSW-05	C-A	C1.20	UT-45L	LIMITED: END CAP GEOMETRY & NOZZLE - 40% COMPLETE
II-RHX-01TSTSW-8	C-A	C1.30	UT-45L	LIMITED: NOZZLE & HANGER - 55% COMPLETE
II-RHX-01TSTSW-11	C-A	C1.30	UT-45L	LIMITED: NOZZLE & HANGER - 65% COMPLETE
II-SG-001SGA-AFWNTSW-11	C-B	C2.21	UT-00 UT-45S UT-60S & UT-70S	SHELL SIDE ONLY - 50% COMPLETE
II-SG-001SGA-FWNTSW-05	C-B	C2.21	UT-00 UT-60S & UT-70S	SHELL SIDE ONLY; 3" X 3" WELDED PAD - 49.9% COMPLETE
II-SG-001SGA-FWNTSW-05	C-B	C2.21	UT-45S	SHELL SIDE ONLY - 49.9% COMPLETE
II-SG-001SGA-MSNTHW-01	C-B	C2.21	UT-00 UT-45S UT-60S & UT-70S	SHELL SIDE ONLY - 50% COMPLETE

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II-SG-001SGA-MSNIR-15	C-B	C2.22	VOL	The SG was designed without MSNIR sections, therefore, achievable examination volume coverage is 0%.
II-SG-001SGB-MSNIR-15	C-B	C2.22	VOL	The SG was designed without MSNIR sections, therefore, achievable examination volume coverage is 0%.
II-SG-001SGC-MSNIR-15	C-B	C2.22	VOL	The SG was designed without MSNIR sections, therefore, achievable examination volume coverage is 0%.
II-SG-001SGA-TSTSW-09A,B,C	C-A	C1.30	UT-00	INST. NOZZLE & 4 ACCESS PORTS - 81.7% COMPLETE
II-SG-001SGA-TSTSW-09A,B,C	C-A	C1.30	UT-45S	4-ACCESS PORTS - 88.6% COMPLETE
II-SG-001SGA-TSTSW-09A,B,C	C-A	C1.30	UT-60S & UT-70S	INST. NOZZLE , 4 ACCESS PORTS: TOP SIDE ONLY, FLG. INTER. - 35% COMPLETE

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**REQUEST FOR RELIEF NO. 2R2-006,
APPLICATION OF CODE CASE N-522 FOR USING APPENDIX J LLRT IN LIEU OF ASME
PRESSURE TESTING OF CERTAIN CONTAINMENT PENETRATION PIPING (CLASS 2).**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

Class 2 Containment Penetration piping when only the piping and isolation valves are Class 2 but the balance of the piping system is outside the scope of Section XI.

ASME SECTION XI CODE REQUIREMENTS:

Some non-Section-XI piping systems include Class 2 piping and isolation valves that penetrate the Containment Building and form part of the containment system. The ASME Code Section XI, 1989 Edition with no Addenda, Table IWC-2500-1, Category C-H requires, in part, that these Class 2 portions of piping systems must be pressure tested to Class 2 standards.

CODE RELIEF REQUEST:

The ASME Code Committee has approved Code Case N-522, "Pressure Testing of Containment Penetration Piping". Relief is requested to use ASME Code Case N-522 for the pressure testing and visual VT-2 examination of those Class 2 portions of non-Section-XI piping systems that penetrate the Containment Building. This Code Case substitutes the 10CFR50 Appendix J Local Leak Rate Test (LLRT) for the ASME Section XI Class 2 testing.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(a)(3)(ii), relief is requested on the basis that compliance with the original examination requirements would result in hardship or unusual difficulty without a compensating increase in the level of Quality and Safety.

Code Case N-522 has already been approved by the Section XI Code Committee, thus providing an alternative for pressure testing these Containment penetrations. At the present time, these portions of systems are pressure tested twice. They must comply with both ASME Section XI and 10CFR50 Appendix J. Redundant pressure testing produces a hardship on the plant without a compensating increase in the level of safety. This is especially true of these particular portions of systems since the overall piping system of which they are a part are not examined per ASME Section XI. Since their only safety function is to provide Containment integrity, the appropriate test for these portions of systems is the Containment integrity testing specified in 10CFR50 Appendix J.

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ALTERNATE EXAMINATIONS:

Code Case N-522 is to be applied as alternative rules for the pressure testing and visual VT-2 examination of Class 2 Containment Penetration piping when only the piping and isolation valves are Class 2 but the balance of the piping system is outside the scope of Section XI.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The proposed alternative provides an acceptable level of quality and safety since the Class 2 portions of these piping systems that penetrate Containment are tested to appropriate standards commensurate with the safety function provided by these portions of the piping systems. 10CFR50 Appendix J provides detailed guidance on the performance of these leakage tests as well as providing acceptance standards and corrective actions. These same LLRT tests are applied to all Containment penetrations. In addition, the HNP Technical Specifications provide additional oversight to Containment leakage testing.

IMPLEMENTATION SCHEDULE:

This Relief Request (2R1-010) is applicable to the HNP Second 10-Year Interval Inservice Inspection Program.

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REQUEST FOR RELIEF NO. 2R2-007, PRESSURE RETAINING WELDS IN AUSTENITIC STAINLESS STEEL OR HIGH ALLOY PIPING, CATEGORY C-F-1

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

This request is for pressure-retaining welds in Class 2 stainless steel piping systems (Category C-F-1).

ASME SECTION XI CODE REQUIREMENTS:

Table IWB-2500-1, Category C-F-1, requires that a 7.5% sample of welds be selected on each of the stainless steel piping systems that are not exempted by IWC-1220. The 7.5% sample is required to be selected on all non-exempt piping regardless of nominal pipe wall thickness (NWT). For the piping systems that have pipe wall thickness equal to or greater than 3/8-inch, the selected sample size is to be scattered across the system in order to provide a net of protection against pipe weld degradation. For the piping systems that have pipe wall thickness less than 3/8-inch, the selected sample size is to be transferred to the thicker-walled pipe that already has a 7.5% sample size being inspected. Essentially, the thicker-walled piping systems are required to receive a 15% sample and the thin-walled piping systems receive no examinations.

CODE RELIEF REQUEST:

Pursuant to 10 CFR50.55a(a)(3)(i), relief is requested from the original examination requirements on the basis that the proposed alternative examinations would provide an acceptable level of Quality and Safety.

Relief is requested to refrain from transferring the 7.5% sample from the thin-wall piping (<3/8-inch NWT) to the thicker-wall pipe. Instead, HNP will inspect a minimum of 7.5% sample size on all non-exempt C-F-1 piping systems, regardless of pipe wall thickness.

ALTERNATE EXAMINATIONS:

HNP will inspect a minimum of 7.5% sample size on all non-exempt C-F-1 piping systems, regardless of pipe wall thickness. The piping welds that comply with the C-F-1 requirement (equal to or greater than 3/8-inch NWT) will receive a full Code examination except as granted by other Relief Requests, such as for limited accessibility. The piping welds that are less than the 3/8-inch NWT will be required to receive only a surface examination. These surface examinations will be performed to Section XI and Section V technical requirements.

HNP will continue to perform the non-destructive examinations that have been implemented during the Preservice and First Interval to fulfill both Code requirements and augmented (SER question 250.1) inspection requirements until this Relief Request is granted.

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In addition, weld examinations required per FSAR 6.6.8 will continue to be performed. No changes are expected or proposed for that augmented examination program.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The proposed alternative provides an acceptable level of quality and safety since all non-exempt C-F-1 piping welds are subject to a sampling program. The sampling program, both in size, scope, and technical examination requirements are derived from the ASME Code Sections XI and V. The approach that HNP proposes to utilize provides a safety net of protection over all non-exempt C-F-1 piping welds, not just the thicker-wall portions. The proposed approach is very similar to that mandated by the NRC in SER question 250.1. As a result of that NRC question, HNP developed a sampling program for the Preservice and First Interval that provided for a sampling of welds to be selected from each of the non-exempt Category C-F (1983-Summer/83 Code) piping systems.

In addition, a very large group of welds have been augmented to the Inservice Inspection Program by FSAR 6.6.8, which addresses an NRC concern about high-energy lines that penetrate the Containment. These welds will continue to be examined as they were in the Preservice and First Interval.

IMPLEMENTATION SCHEDULE:

This Relief Request (2R2-007) is applicable to the HNP Second 10-Year Interval Inservice Inspection Program.

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REQUEST FOR RELIEF NO. 2R3-001

This Relief Request has been included but intentionally left blank in order to maintain a numbering system used during Preservice Examination and during the First Interval. This Relief Request has been combined into one General Relief Request (2RG-008) for all Class 1, 2, and 3 snubbers.

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**REQUEST FOR RELIEF NO. 2R3-002,
APPLICATION OF CODE CASE N-509 TO CLASS 3 INTEGRALLY-WELDED
ATTACHMENT EXAMINATIONS.**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

All Class 3 (Categories D-A, D-B, and D-C) integrally-welded attachments.

ASME SECTION XI CODE REQUIREMENTS:

Table IWD-2500-1, Examination Categories D-A (Item Numbers D1.20, D1.30, D1.40, D1.50, and D1.60), D-B (D2.20, D2.30, D2.40, D2.50, and D2.60), and D-C (D3.20, D3.30, D3.40, D3.50, and D3.60), require a very intricate and detailed classification of Class 3 integrally-welded attachments.

The integrally-welded attachments must be classified according to the function of the support at the same location. The 5 options are (1) Component Support and Restraints, (2) Mechanical and Hydraulic Snubbers, (3) Spring Type Supports, (4) Constant Load Type Supports, and (5) Shock Absorbers.

CODE RELIEF REQUEST:

The ASME Code Committee has approved Code Case N-509, "Alternative Rules for the Selection and Examination of Class 1, 2, and 3 Integrally Welded Attachments". Relief is requested to use ASME Code Case N-509 for Class 3 integrally-welded attachments in lieu of ASME Code Section XI requirements.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(a)(3)(ii), relief is requested on the basis that compliance with the original examination requirements would result in hardship or unusual difficulty without a compensating increase in the level of Quality and Safety.

Code Case N-509 has already been approved by the Section XI Code Committee, thus providing an alternative for examination of integrally-welded attachments. Although approved for Class 1, 2, and 3, HNP is applying Code Case N-509 only to Class 3. The 1989 ASME Code Section XI requirements for Class 1 and 2 are clear and concise. However, the Class 3 rules require that each set of integrally-welded attachments be scrutinized in detail in order to determine which of the 3 Categories and 15 Item Numbers apply. After making the determination as to the appropriate classification, all integrally-welded attachments are then examined in exactly the same manner: a Visual (VT-3) examination.

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Application of Code Case N-509 reduces the burden imposed on the plant by reducing the confusion as to the inspection requirements and more closely agrees with the 1989 ASME Section XI Code for Class 1 and 2 integrally-welded attachments. In addition, Code Case N-509 improves the examination of the integrally-welded attachments by changing the Code-required VT-3 examination to a more-applicable VT-1 inspection. The VT-1 examination is more stringent and more detailed in looking for the kinds of degradation that are most detrimental to a welded attachment. This Code Case further reduces the

burden imposed on the plant by implementing a sampling plan similar to the one contained in Code Case N-491 for component supports. Code Case N-509 is also similar to the sampling approach contained in the requirements for Class 1 and 2 piping welds.

Examination of the integrally-welded attachments, in the manner prescribed by Code Case N-509, still covers the area of concern originally addressed by Section XI. A significant sample of the integrally-welded attachments still receive an examination in order to provide an early detection of any degradation. The smaller sample size receives a more detailed examination which still provides for plant quality and safety but reduces engineering and inspection costs as well as personnel radiation exposures.

ALTERNATE EXAMINATIONS:

Code Case N-509 is to be applied as alternative rules for Class 3 integrally-welded attachments.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The proposed alternative provides an acceptable level of quality and safety since the Class 3 integrally-welded attachments are still examined visually using methods approved by the ASME Section XI Code Committee. Any degradation of the integrally-welded attachments would still be detected. However, use of the Code Case reduces the costs and personnel radiation exposures associated with Inservice Inspection.

IMPLEMENTATION SCHEDULE:

This Relief Request (2R3-002) is applicable to the HNP Second 10-Year Interval Inservice Inspection Program.

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**REQUEST FOR RELIEF NO. 2RG-001,
APPLICATION OF CODE CASE N-416-1 TO CLASS 1, 2, AND 3 PRESSURE TESTS
FOLLOWING REPAIRS AND REPLACEMENTS**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

All ASME Class 1, 2, and 3 components.

ASME SECTION XI CODE REQUIREMENTS:

The ASME Code Section XI, 1989 Edition with no Addenda, IWA-4700 requires that a system hydrostatic test be performed in accordance with IWA-5000 after repairs by welding on the pressure-retaining boundary.

CODE RELIEF REQUEST:

The ASME Code Committee has approved Code Case N-416-1, "Alternative Pressure Test Requirement for Welded Repairs or Installation of Replacement Items by Welding, Class 1, 2 and 3". Relief is requested to use ASME Code Case N-416-1 for pressure tests following repairs and replacements of the pressure-retaining boundary. Non-destructive examination of the repair welds and a system leakage test are to be used instead of the Code-required hydrostatic test.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(g)(6)(i), relief is requested on the basis that the original examination requirements have been determined to be impractical.

If required hydrostatic testing following welded repairs and installation of replacement items by welding is impractical, it is currently necessary to defer the testing as allowed by Code Case N-416 or to request relief from ASME Code-required tests. Impracticality of testing may be the result of various situations, ranging from boundary valve isolation problems to incorporation of sensitive components within the hydrostatic test boundary. Since hydrostatic test pressures are higher than nominal operating pressures, hydrostatic pressure testing frequently requires significant effort to set-up and perform. The need to use special equipment (e.g., temporary attachment of test pumps and gauges) and the need for individual valve lineups can cause the testing to become the critical path activity during outages or not be practical during plant operations. Piping components are designed for a number of different loading conditions that are postulated to occur under the various modes of plant operation. Hydrostatic testing subjects the piping components to a relatively small increase in pressure over the design pressure and, therefore, does not present a significant challenge to pressure boundary integrity. Accordingly, it is our understanding that (1) hydrostatic pressure testing is primarily regarded as a means to enhance leakage detection during the examination of components under pressure, rather than solely as a measure to determine the structural integrity of the components,

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(2) leaks are not being discovered as a result of hydrostatic test pressures propagating a preexisting through-wall flaw, and (3) typically, when leaks are identified, they occur at flanges, packing, seals, etc., whether at hydrostatic test pressure or normal operating pressure.

In some cases, welded repairs and installation of replacement items by welding are unexpected and are often identified only by the performance of inservice inspections. In such cases, it is necessary to request ASME Code relief on an expedited basis to avoid startup delays or exceeding limiting conditions of operation action times, since hydrostatic testing is often impractical to perform following repair or replacement activities.

ASME Code Case N-416-1 provides increased testing flexibility and can considerably reduce, or eliminate, relief requests associated with welded repairs or installations of replacement items by welding. This is accomplished while maintaining an acceptable level of quality and safety. The Code Case has already been approved by the NRC for use by other licensees, as well as the H.B. Robinson Steam Electric Plant Unit 2 by letter dated May 11, 1995, and the Brunswick Steam Electric Plant, Units 1 and 2 by NRC letter dated November 1, 1995. This Code Case has also been previously approved for the Harris Nuclear Plant for the first inspection interval by NRC letter dated November 29, 1995.

ALTERNATE EXAMINATIONS:

Code Case N-416-1 is to be applied as alternative rules for welded repairs or installation of replacement items by welding in Class 1, 2, and 3 components. Surface examinations are to be performed on the root pass layer of butt and socket welds on the pressure-retaining boundary of Class 3 components when the surface examination method is used in accordance with Section III of the ASME Code.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The proposed alternative provides an acceptable level of quality and safety since leaks are not generally discovered as a result of hydrostatic testing, and since compliance with the ASME Code Section XI, IWA-4700 requirements would result in hardship and unusual difficulty, primarily resulting from boundary valve isolation problems, without a compensating increase in the level of quality and safety. The welds in question still receive a pressure test and, in addition, receive non-destructive examination in accordance with the 1992 Edition of the ASME Code Section III. Per the NRC letter which previously granted approval for the first 10-Year Interval, use of the Code Case was authorized until such time as the Code Case is published in a future revision of Regulatory Guide 1.147, with limitations issued in Regulatory Guide 1.147, if any.

IMPLEMENTATION SCHEDULE:

This Relief Request (2RG-001) is applicable to the HNP Second 10-Year Interval Inservice Inspection Program.

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Harris Nuclear Power Plant
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**REQUEST FOR RELIEF NO. 2RG-002,
APPLICATION OF CODE CASE N-498-1 TO CLASS 3 HYDROSTATIC TESTS**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

This request is for ISI Class 3 systems that support Reactor Shutdown, Emergency Core Cooling, Containment Heat Removal, Atmosphere Cleanup, Reactor Residual Heat Removal, and Residual Heat Removal from the Spent Fuel Storage Pool. Per ASME Section XI Table IWD-2500-1, hydrostatic tests are required to be performed.

ASME SECTION XI CODE REQUIREMENTS:

System hydrostatic tests are required, once every 10 years at or near the end of the 10-Year Interval, per ASME Section XI IWD-5223: Categories D-A, D-B, and D-C; Items D1.10, D2.10, D3.10.

CODE RELIEF REQUEST:

The ASME Code Committee has approved Code Case N-498-1, "Alternative Rules for 10-Year System Hydrostatic Testing for Class 1, 2, and 3 Systems". Relief is requested to use ASME Code Case N-498-1 for Class 3 hydrostatic tests in lieu of ASME Code Section XI requirements.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(a)(3)(ii), relief is requested on the basis that compliance with the original examination requirements would result in hardship or unusual difficulty without a compensating increase in the level of Quality and Safety.

Code Case N-498, which has already been incorporated into Regulatory Guide 1.147, provides an alternative for testing of Class 1 and 2 systems. Code Case N-498-1 extends the alternative to Class 3 systems as well, permitting VT-2 examinations at nominal operating pressures in lieu of the interval hydrostatic pressure tests. Based upon a review of Class 3 system failures requiring repair referenced in an NRC evaluation of a similar request to use Code Case N-498-1, and supported by an independent survey of Nuclear Plant Reliability Data System (NPRDS) failures, the most common causes of failure are flow-accelerated corrosion (FAC), microbiologically induced corrosion (MIC), and general corrosion. Harris Plant has in place programs to monitor both FAC and MIC. Leakage from general corrosion is readily apparent to inspectors when performing a VT-2 inspection during system pressure tests.

The burdens imposed by Class 3 hydrostatic testing are as follows:

- 1) Hydrostatic tests are historically difficult to perform.

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- 2) Testing at higher-than-nominal-operating pressure requires unique system lineups, special equipment installation, and the removal or gagging of pressure relief devices.
- 3) The time required to complete the testing, as compared to system pressure tests, results in a significant increase in work scope and required resources, and a potentially extended outage.
- 4) The increase in time, scope, and resources results in additional operational doses, contrary to ALARA principles.

Carolina Power & Light Company considers this request to use ASME Code Case N-498-1 to be a regulatory burden reduction item for the Harris Plant.

ALTERNATE EXAMINATIONS:

As an alternative to the 10-year hydrostatic testing required by Table IWD-2500-1, Categories D-A, D-B, or D-C, the following is to be used, as applicable:

- 1) A system pressure test will be conducted at or near the end of the inspection interval or during the same inspection period as previously performed in the First 10-Year Interval.
- 2) The boundary subject to pressurization during the system test will extend to Class 3 components for those portions of systems required to operate or support the safety system function, up to and including the first normally-closed valve, including a safety or relief valve, or valve capable of automatic closure when the safety function is required.
- 3) Before performing the VT-2 visual inspection, the system will be pressurized to nominal operating pressure for at least 4 hours for insulated systems and at least 10 minutes for noninsulated systems. The system will be maintained at nominal operating pressure during performance of the VT-2 visual examination.
- 4) The VT-2 visual examination will include components within the boundary identified above.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The proposed alternative provides an acceptable level of quality and safety since any leaks would still be detected. Code Case N-498-1 requires that the systems still receive a pressure test and visual (VT-2) examination.

IMPLEMENTATION SCHEDULE:

This Relief Request (2RG-002) is applicable to the HNP Second 10-Year Interval Inservice Inspection Program. Per the NRC letter which previously granted approval for the first 10-Year Interval, use of the Code Case was authorized until such time as the Code Case is published in a future revision of Regulatory Guide 1.147, with limitations issued in Regulatory Guide 1.147, if any.

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**REQUEST FOR RELIEF NO. 2RG-003,
APPLICATION OF CODE CASE N-524 TO CLASS 1 AND 2 LONGITUDINAL WELD
EXAMINATIONS.**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

All Class 1 (Categories B-F and B-J) and Class 2 (Categories C-F-1 and C-F-2) piping.

ASME SECTION XI CODE REQUIREMENTS:

Table IWB-2500-1, Examination Category B-J, Item Numbers B9.12 and B9.22, requires in Note (4) that the examination area or volume includes at least a pipe-diameter length but not more than 12 inches of each longitudinal weld intersecting the circumferential welds required to be examined by Examination Categories B-F and B-J and Table IWC-2500-1, Examination Categories C-F-1 and C-F-2.

CODE RELIEF REQUEST:

The ASME Code Committee has approved Code Case N-524, "Alternative Examination Requirements for Longitudinal Welds in Class 1 and 2 Piping". Relief is requested to use ASME Code Case N-524 for Class 1 and 2 piping in lieu of ASME Code Section XI requirements.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(a)(3)(ii), relief is requested on the basis that compliance with the original examination requirements would result in hardship or unusual difficulty without a compensating increase in the level of Quality and Safety.

Code Case N-524 has already been approved by the Section XI Code Committee, thus providing an alternative for examination of Class 1 and 2 piping longitudinal welds. The original concerns of the ASME Code Committee about the intersection of two pressure-retaining pipe welds led to the Code requirement to inspect up to 12 inches of the longitudinal welds. This concern over high stresses in concentrated areas has proven to be very conservative and has not been a good predictor of pipe weld cracking. The ASME Code Committee has reconsidered the subject and has issued Code Case N-524.

In the Code Case, the Committee has stated that the following shall apply:

- (a) When only a surface examination is required, examination of longitudinal piping welds is not required beyond those portions of the welds within the examination boundaries of intersecting circumferential welds.
- (b) When both surface and volumetric examinations are required, examination of longitudinal piping welds is not required beyond those portions of the welds within the examination boundaries of intersecting circumferential welds provided the following requirements are met:

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- (1) Where longitudinal welds are specified and locations are known, examination requirements shall be met for both transverse and parallel flaws at the intersection of the welds and for that length of longitudinal weld within the circumferential weld examination volume:
- (2) Where longitudinal welds are specified but locations are unknown, or the existence of longitudinal welds is uncertain, the examination requirements shall be met for both transverse and parallel flaws within the entire examination volume of intersecting circumferential welds.

Examination of the longitudinal welds, in the manner prescribed by Code Case N-524, still covers the area of concern originally addressed by Section XI. The intersection of the two welds receives non-destructive examination (NDE) in order to provide an early detection of any degradation. The smaller volume of material to be inspected still provides for plant quality and safety but reduces costs and personnel radiation exposures.

ALTERNATE EXAMINATIONS:

The same NDE methods required by Section XI are applied to a reduced area or volume, as applicable, per Code Case N-524.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The proposed alternative provides an acceptable level of quality and safety since the intersection of the pressure-retaining welds is still examined using NDE methods approved in Section XI. Any degradation of the welds would still be detected. However, use of the Code Case reduces the costs and personnel radiation exposures associated with Inservice Inspection.

IMPLEMENTATION SCHEDULE:

This Relief Request (2RG-003) is applicable to the HNP Second 10-Year Interval Inservice Inspection Program.

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**REQUEST FOR RELIEF NO. 2RG-004,
APPLICATION OF CODE CASE N-532 TO CLASS 1 AND 2 REPAIR/REPLACEMENT
DOCUMENTATION AND ISI SUMMARY REPORTS.**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

All Class 1 and Class 2 components.

ASME SECTION XI CODE REQUIREMENTS:

ASME Section XI requires that Summary Reports are to be submitted, within 90 days of the completion of each refueling outage, to the authorities having jurisdiction at the plant site. Specifically, IWA-4800 requires the completion of a detailed report for Repairs/Replacements while IWA-6000 requires a summary report for Inservice Inspection activities.

CODE RELIEF REQUEST:

The ASME Code Committee has approved Code Case N-532, "Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000". Relief is requested to use ASME Code Case N-532 for Class 1 and 2 Summary Reports in lieu of ASME Code Section XI requirements.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(a)(3)(ii), relief is requested on the basis that compliance with the original examination requirements would result in hardship or unusual difficulty without a compensating increase in the level of Quality and Safety.

Code Case N-532 has already been approved by the Section XI Code Committee, thus providing an alternative for routine reporting criteria. Filing of reports each outage has proven to be time-consuming, expensive, and of questionable value. Per 10CFR50 requirements, all documentation associated with either Repair/Replacement or Inservice Inspection are maintained as Quality Assurance documents for the duration of the life of the plant. Any information needed by either the regulatory body or by plant personnel are easily retrievable. The Code Case simplifies reporting criteria, particularly on Repair/Replacement activities, and reduces the frequency of reports to once per Period instead of once per outage. The reduced reporting requirements aid both the writers and reviewers of the reports, thus reducing the costs of compliance with the ASME Code while still providing quality controls on these safety-related activities.

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ALTERNATE EXAMINATIONS:

Code Case N-532 is to be applied as alternative rules for summary reports of ASME Class 1 and 2 Repair/Replacement and Inservice Inspection activities. The reports are to be filed at the end of each Period rather than each refueling outage.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The proposed alternative provides an acceptable level of quality and safety since the summary reports are still filed with the enforcement and regulatory authorities having jurisdiction at the plant site while reducing the costs associated with ASME Code compliance.

IMPLEMENTATION SCHEDULE:

This Relief Request (2RG-004) is applicable to the HNP Second 10-Year Interval Inservice Inspection Program. Summary reports will be submitted to the enforcement and regulatory authorities having jurisdiction at the plant site following the end of the each inspection Period.

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**Carolina Power & Light
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**REQUEST FOR RELIEF NO. 2RG-005,
APPLICATION OF CODE CASE N-534 TO CLASS 2 AND 3 PNEUMATIC PRESSURE
TESTS.**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

All Class 2 and 3 components subject to pneumatic testing.

ASME SECTION XI CODE REQUIREMENTS:

ASME Section XI, in IWA-5000, IWC-5000, and IWD-5000, requires hydrostatic tests for Class 2 and 3 components. These hydrostatic tests are required both on a routine basis as well as following Repair/Replacement of pressure boundary components. For systems that contain air, a pneumatic test is acceptable in lieu of a hydrostatic test per IWA-5211(e).

CODE RELIEF REQUEST:

The ASME Code Committee has approved Code Case N-534, "Alternative Requirements for Pneumatic Pressure Testing". Relief is requested to use ASME Code Case N-534 for Class 2 and 3 systems which normally receive pneumatic testing. The use of the Code Case reduces the pressure during the pneumatic test from hydrostatic levels to the normal operating pressure of the systems.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(a)(3)(ii), relief is requested on the basis that compliance with the original examination requirements would result in hardship or unusual difficulty without a compensating increase in the level of Quality and Safety.

The most common causes of system pressure-boundary failures are flow-accelerated corrosion (FAC), microbiologically induced corrosion (MIC), and general corrosion. Harris Plant has in place programs to monitor both FAC and MIC. Leakage from general corrosion is readily apparent to inspectors when performing a VT-2 inspection during system pressure tests.

The burdens imposed by Class 2 and 3 pneumatic tests at hydrostatic pressure levels are as follows:

- 1) High-pressure tests are historically difficult to perform.
- 2) Testing at higher-than-nominal-operating pressure requires unique system lineups, special equipment installation, and the removal or gagging of pressure relief devices.
- 3) The time required to complete the testing, as compared to system pressure tests, results in a significant increase in work scope and required resources, and a potentially extended outage.

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- 4) The increase in time, scope, and resources results in additional operational doses, contrary to ALARA principles.

Carolina Power & Light Company considers this request to use ASME Code Case N-534 to be a regulatory burden reduction item for the Harris Plant.

ALTERNATE EXAMINATIONS:

As an alternative to the pneumatic testing at hydrostatic pressure levels, the following is to be used, as applicable:

- 1) A system pneumatic pressure test will be conducted at or near the end of the inspection interval or during the same inspection period as previously performed in the First 10-Year Interval.
- 2) The boundary subject to pressurization during the system test will extend to Class 2 or 3 components for those portions of systems required to operate or support the safety system function, up to and including the first normally-closed valve, including a safety or relief valve, or valve capable of automatic closure when the safety function is required.
- 3) Before performing the VT-2 visual inspection, the system will be uninsulated and pressurized to nominal operating pressure for at least 10 minutes. The system will be maintained at nominal operating pressure during application of the bubble solution and performance of the VT-2 visual examination.
- 4) The VT-2 visual examination will include components within the boundary identified above.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The proposed alternative provides an acceptable level of quality and safety since any leaks would still be detected. Code Case N-534 requires that the systems still receive a pressure test and visual (VT-2) examination.

IMPLEMENTATION SCHEDULE:

This Relief Request (2RG-005) is applicable to the HNP Second 10-Year Interval Inservice Inspection Program.

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**Carolina Power & Light
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2nd 10-Year Interval**

**REQUEST FOR RELIEF NO. 2RG-006,
APPLICATION OF CODE CASE N-535 TO ISI INTERVAL LENGTHS.**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

All Class 1, 2, and 3 components.

ASME SECTION XI CODE REQUIREMENTS:

IWA-2430(d) states that each of the inspection intervals may be extended or decreased by as much as 1 year. Adjustments shall not cause successive intervals to be altered by more than 1 year from the original pattern of intervals.

CODE RELIEF REQUEST:

The ASME Code Committee has approved Code Case N-535, "Alternative Requirements for Inservice Inspection Intervals". Relief is requested to use Code Case N-535 for any Interval extensions or modifications.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(a)(3)(ii), relief is requested on the basis that compliance with the original examination requirements would result in hardship or unusual difficulty without a compensating increase in the level of Quality and Safety.

ASME Section XI allows Interval extensions. Code Case N-535 simply provides additional guidance and clarifications for a variety of situations that could arise at an operating plant.

ALTERNATE EXAMINATIONS:

Code Case N-535 is to be applied as an alternative for Interval extensions and modifications.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The proposed alternative provides an acceptable level of quality and safety since Code Case N-535 simply provides additional guidance in order to clarify situations that are not explicitly described in the ASME Code Section XI.

IMPLEMENTATION SCHEDULE:

This Relief Request (2RG-006) is applicable to HNP Second 10-Year Interval Inservice Inspection Program.

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**REQUEST FOR RELIEF NO. 2RG-007,
APPLICATION OF CODE CASE N-546 TO QUALIFICATION OF VT-2 EXAMINATION
PERSONNEL.**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

All Class 1, 2, and 3 components.

ASME SECTION XI CODE REQUIREMENTS:

IWA-2300 provides the qualifications of nondestructive examination (NDE) personnel. Included are the requirements for personnel who perform visual VT-2 examinations. IWA-2312 states that personnel performing visual examinations shall be qualified and certified to comparable levels of qualification as defined in SNT-TC-1A and the Employer's written practice.

CODE RELIEF REQUEST:

The ASME Code Committee has approved Code Case N-546, "Alternative Requirements for Qualification of VT-2 Examination Personnel". Relief is requested to use Code Case N-546 for qualification of personnel performing VT-2 examinations on Class 1, 2, and 3 components.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(a)(3)(ii), relief is requested on the basis that compliance with the original examination requirements would result in hardship or unusual difficulty without a compensating increase in the level of Quality and Safety.

Code Case N-546 has already been approved by the ASME Section XI Code Committee, thus providing an alternative to the qualification requirements contained in Section XI. In the Code Case, the Committee stated that the following alternative requirements apply:

- (a) At least 40 hours plant walkdown experience, such as that gained by licensed and nonlicensed operators, local leak rate personnel, system engineers, and inspection and nondestructive examination personnel.
- (b) At least 4 hours of training on Section XI requirements and plant specific procedures for VT-2 visual examination.
- (c) Vision test requirements of IWA-2321, 1995 Edition of ASME Section XI.

Implementation of the alternative qualification requirements provides an organized approach to ensure that VT-2 examinations are performed by personnel with an adequate knowledge base to consistently locate system leakage.

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ALTERNATE EXAMINATIONS:

Code Case N-546 is to be applied as an alternative for qualification of VT-2 personnel.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

The proposed alternative provides an acceptable level of quality and safety since any system or component leakage would still be detected by trained, experienced, and qualified VT-2 personnel.

IMPLEMENTATION SCHEDULE:

This Relief Request (2RG-007) is applicable to the HNP Second 10-Year Interval Inservice Inspection Program.

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**REQUEST FOR RELIEF NO. 2RG-008,
TESTING OF CLASS 1, 2, AND 3 SNUBBERS (CODE CATEGORY F-A) PER THE PLANT
TECHNICAL SPECIFICATIONS IN LIEU OF THE ASME CODE SECTION XI.**

COMPONENTS FOR WHICH RELIEF IS REQUESTED:

All Class 1, 2, and 3 snubbers.

ASME SECTION XI CODE REQUIREMENTS:

The 1989 Edition of ASME Section XI, in IWF-1220 and IWF-5300, requires the examination and testing of snubbers per the first Addenda to ASME/ANSI OM-1987, Part 4 (published in 1988), generally referred to simply as "OM-4".

CODE RELIEF REQUEST:

Relief is requested from the ASME Code requirements for selection and functional test requirements of Class 1, 2, and 3 snubbers. Selection and testing requirements are to be performed in accordance with the plant Technical Specifications in lieu of the ASME Code Section XI.

BASIS FOR REQUESTING RELIEF:

Pursuant to 10 CFR50.55a(a)(3)(ii), relief is requested on the basis that compliance with the original examination requirements would result in hardship or unusual difficulty without a compensating increase in the level of Quality and Safety.

The plant Technical Specifications and the OM-4 Code, referenced by Section XI, are essentially identical in their intent to functionally test Class 1, 2, and 3 snubbers. The Technical Specifications, however, extend the scope of snubber testing to include all Seismic Category I snubbers not classified as Class 1, 2, or 3. The ASME requirements are contained in the Technical Specifications. Having two separate snubber testing programs places an unnecessary burden upon the plant without any increase in plant safety.

ALTERNATE EXAMINATIONS:

All snubbers are selected and functionally tested per plant Technical Specification 3/4 .7.8.

TECHNICAL JUSTIFICATION FOR REQUESTING RELIEF:

For the First Interval, the Nuclear Regulatory Commission approved the utilization of the plant Technical Specifications for the selection and testing of snubbers. That testing program provides the same testing requirements as the current (1989) Edition ASME Code Section XI approved in 10CFR50 for this Second Interval. In addition, the Technical Specifications require the testing of additional snubbers. Developing a new separate program to test snubbers per the ASME Code would place an unnecessary burden upon the plant with no increase in plant safety. Having two separate programs would also introduce some confusion into a program that is already in-place and functioning. Using the Technical specifications in lieu of the ASME Code has no impact on plant quality or safety since the Class 1, 2, and 3 snubbers are tested to the same requirements specified in the ASME Code Section XI.

IMPLEMENTATION SCHEDULE:

This Request for Relief (2RG-008) is applicable to the HNP Second Ten (10) Year Interval Inservice Inspection Program.

Component Examination Tables
Code Categories B-A Thru F-A, FSAR, SER, RG1.14
INDEX

Category	Description
B-A	Pressure Retaining Welds in Reactor Vessel
B-B	Pressure Retaining Welds in Vessels Other Than Reactor Vessel
B-D	Full Penetration Welds Of Nozzles in Vessels - Program B
B-E	Pressure Retaining Partial Penetration Welds in Vessels
B-F	Pressure Retaining Dissimilar Metal Welds
B-G-1	Pressure Retaining Bolting Greater Than Two Inches in Diameter
B-G-2	Pressure Retaining Bolting, Two Inches and Less in Diameter
B-H	Integral Attachments for Vessels
B-J	Pressure Retaining Welds in Piping
B-K-1	Integral Attachments for Piping, Pumps, and Valves
B-L-1	Pressure Retaining Welds in Pump Casings
B-L-2	Pump Casings
B-M-1	Valve Bodies
B-M-2	Valve Bodies
B-N-1	Interior of Reactor Vessel
B-N-2	Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels
B-N-3	Removable Core Support Structures
B-O	Pressure Retaining Welds in Control Rod Housings
B-P	All Pressure Retaining Components
B-Q	Steam Generator Tubing

Component Examination Tables Code Categories B-A Thru F-A, FSAR, SER, RG1.14 INDEX

<u>Category</u>	<u>Description</u>
C-A	Pressure Retaining Welds in Pressure Vessels
C-B	Pressure Retaining Nozzle Welds in Vessels
C-C	Integral Attachments for Vessels, Piping, Pumps, and Valves
C-D	Pressure Retaining Bolts Greater than Two Inches in Diameter
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping
C-G	Pressure Retaining Welds in Pumps and Valves
C-H	All Pressure Retaining Components
D-A	Systems in Support of Reactor Shutdown Function
D-B	Systems in Support of ECCS, CHR, AC, and RHR
D-C	Systems in Support of RHR From Spent Fuel Storage Pool
F-A	Supports
FSAR	Augmented Piping Weld Volumetric Examination Per FSAR
SER	Augmented Safety Evaluation Report, Safety Review Question 250.1
RG1.14	Reactor Coolant Pump Flywheel Integrity Examination
AUGMENTED	Successive Exams

ISI Component/Examination Listing Matrix

The following provides an explanation of the ISI Component/Examination Listing:
(See attached Sample Form)

1. The examination Category letter designation specified by ASME Boiler & Pressure Vessel Code Section XI (B-A, B-B, etc.)
2. The examination Item Number numerical designation specified by ASME Boiler & Pressure Vessel Code Section XI (B6.60, B6.70, etc.)
3. The written description associated with the examination Category.
4. The written description associated with the examination Item Number.
5. Example: II-RV-001CSW-RV-02
 {II-RV} = System
 {II-RV-001} = ISI Isometric/Drawing
 {CSW-RV-02} = Weld Identification
6. Description designates component type on each side of weld (ie. COMPDESA and COMPDESB), see attached "ISVDESCR" Matrix.
7. System designation (RC=Reactor Coolant, FW=Feedwater, FMR=Feedwater, MainSteam, Reactor Coolant on same Isometric, etc.)
8. Letter designation for applicable Code Class (1, 2, 3)
9. Numerical designation for applicable outage for scheduled examination (ie. 2-3-13).
 {2} = interval designation
 {3} = period designation
 (13) = outage designation
10. Required NDE examination type (ie. MT = Magnetic Particle, PT = Liquid Penetrant, etc.)
11. Applicable Relief Request designation (2R1-011)
 {2} = Interval
 {R} = Relief Request
 {1} = Class
 {11} = Sequential Number
12. General comment section as applicable.

**Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval**

CATEGORY (1) DESCRIPTION (3)
ITEM NUMBER (2) DESCRIPTION (4)

ISI Component/Exam Number (5)	Description (6)	System (7)	Class (8)	Outage (9)	Exam Type (10)	Relief Request (11)	Comments (12)

COMPDESA	COMPDESB	DESCRIP	INFO
A	A	+	+
AVALINT	AVALINT	VAL INT	VAL INT
AVBW	AVBW	VAL BDY	VAL BDY
B	B	+	+
BBOLT	BBOLT	BOLT	BOLT
BBOLT,S	BBOLT,S	SH BOLT	SH BOLT
BBUSH	BBUSH	BUSHING	BUSHING
BCONO	BCONO	C BOLT	C BOLT
BFBC	BFBC	FLG CON	FLG CON
BFLGSUR	BFLGSUR	FLG SUR	FLG SUR
BFSC	BFSC	FLG CON	FLG CON
BFT	BFT	FLG THR	FLG THR
BLIG	BLIG	LIGAMNT	LIGAMNT
BNUT	BNUT	NUT	NUT
BPHB	BPHB	HOS BLT	HOS BLT
BPSB	BPSB	SEL BLT	SEL BLT
BSTUD	BSTUD	STUD	STUD
BVBB	BVBB	BON BLT	BON BLT
BVPB	BVPB	PAK BLT	PAK BLT
BWASH	BWASH	WASHER	WASHER
E	E	+	+
EEX75S1	EEX75S1	EX COMP	EX COMP
EEX75SN	EEX75SN	EX COMP	EX COMP
EEX78S	EEX78S	EX COMP	EX COMP
EEX81W	EEX81W		
EZONE,O	EZONE,O	OP ZONE	OP ZONE
EZONE,S	EZONE,S	ST ZONE	ST ZONE
H	H	+	+
HA	HA	+++ DIRECTIONS AND	+++ DIRECTIONS AND MOMENTS AS NOTED IN THE FUNCTIONAL
HANCM	HANCM	ANCHOR	ANCHOR (MECHANICAL ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN 3 DIRECTIONS AN
HANCW	HANCW	ANCHOR	ANCHOR (WELDED ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN 3 DIRECTIONS AND 3 R
HARSM	HARSM	ADJ STR	ADJUSTABLE RIGID STRUT (MECHANICAL ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN
HARSW	HARSW	ADJ STR	ADJUSTABLE RIGID STRUT (WELDED ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN ONE
HBTWM	HBTWM	3WY BOX	THREE WAY BOX RESTRAINT (MECHANICAL ATTACHMENT TO COMPONENT) RESTRICTS FORCES I
HBTWW	HBTWW	3WY BOX	THREE WAY BOX RESTRAINT (WELDED ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN 3
HCONM	HCONM	CONSTNT	CONSTANT (MECHANICAL ATTACHMENT TO COMPONENT) ACTS IN TENSION ONLY, SPRING/LEVE
HCONW	HCONW	CONSTNT	CONSTANT (WELDED ATTACHMENT TO COMPONENT) ACTS IN TENSION ONLY, SPRING/LEVER AS
HGUDM	HGUDM	GUIDE	GUIDE (MECHANICAL ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN 2 DIRECTIONS (TENS
HGUDW	HGUDW	GUIDE	GUIDE (WELDED ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN 2 DIRECTIONS (TENSION
HHSBM	HHSBM	HSNUBBR	HYDRAULIC SNUBBER (MECHANICAL ATTACHMENT TO COMPONENT)
HHSBW	HHSBW	HSNUBBR	HYDRAULIC SNUBBER (WELDED ATTACHMENT TO COMPONENT)
HMSBM	HMSBM	MSNUBBR	MECHANICAL SNUBBER (MECHANICAL ATTACHMENT TO COMPONENT)
HMSBW	HMSBW	MSNUBBR	MECHANICAL SNUBBER (WELDED ATTACHMENT TO COMPONENT)

COMPDESA	COMPDESB	DESCRIP	INFO
HOWBM	HOWBM	1WY BOX	1WY BOX ONE WAY BOX RESTRAINT (MECHANICAL ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN
HOWBW	HOWBW	1WY BOX	1WY BOX ONE WAY BOX RESTRAINT (WELDED ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN ONE
HRESM	HRESM	RESTRNT	RESTRNT RESTRAINT (MECHANICAL ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN ONE DIRECTIO
HRESW	HRESW	RESTRNT	RESTRNT RESTRAINT (WELDED ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN ONE DIRECTION (AL
HRRSM	HRRSM	R STRUT	R STRUT RIGID ROD STRUT (MECHANICAL ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN ONE DIR
HRRSW	HRRSW	R STRUT	R STRUT RIGID ROD STRUT (WELDED ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN ONE DIRECTI
HRTSM	HRTSM	T STRUT	T STRUT RIGID TELESCOPING STRUT (MECHANICAL ATTACHMENT TO COMPONENT) RESTRICTS FORCES I
HRTSW	HRTSW	T STRUT	T STRUT RIGID TELESCOPING STRUT (WELDED ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN ON
HSSAM	HSSAM	ARRESTR	ARRESTR SHOCK AND SWAY ARRESTOR (MECH. ATTACHMENT TO COMPONENT) A PRECOMPRESSED SPRIN
HSSAW	HSSAW	ARRESTR	ARRESTR SHOCK AND SWAY ARRESTOR (WELDED ATTACHMENT TO COMPONENT) A PRECOMPRESSED SP
HSUPM	HSUPM	SUPPORT	SUPPORT SUPPORT (MECHANICAL ATTACHMENT TO COMPONENT) A HANGER THAT ACTS IN TENSION ONLY
HSUPW	HSUPW	SUPPORT	SUPPORT SUPPORT (WELDED ATTACHMENT TO COMPONENT) A HANGER THAT ACTS IN TENSION ONLY, OR
HTWBM	HTWBM	2WY BOX	2WY BOX TWO WAY BOX RESTRAINT (MECHANICAL ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN
HTWBW	HTWBW	2WY BOX	2WY BOX TWO WAY BOX RESTRAINT (WELDED ATTACHMENT TO COMPONENT) RESTRICTS FORCES IN 2 DIR
HUBTM	HUBTM	U-BOLT	U-BOLT U-BOLT (MECHANICAL ATTACHMENT TO COMPONENT)
HUBTW	HUBTW	U-BOLT	U-BOLT U-BOLT (WELDED ATTACHMENT TO COMPONENT)
HVARM	HVARM	VARIABLE	VARIABLE VARIABLE (MECHANICAL ATTACHMENT TO COMPONENT) ACTS IN TENSION ONLY, A SPRING ASSE
HVARW	HVARW	VARIABLE	VARIABLE VARIABLE (WELDED ATTACHMENT TO COMPONENT) ACTS IN TENSION ONLY, A SPRING ASSEMBL
HWHPM	HWHPM	WHIPRES	WHIPRES WHIP RESTRAINT (MECHANICAL ATTACHMENT) A HANGER DESIGNED FOR PIPE BREAK EVENTS T
HWHPW	HWHPW	WHIPRES	WHIPRES WHIP RESTRAINT (WELDED ATTACHMENT TO COMPONENT) A HANGER DESIGNED FOR PIPE BRE
HXXXX	HXXXX	TEMPORARY COMPON	TEMPORARY COMPONENT DESCRIPTION VALIDATION CHECK FOR HANGER LOAD
P	P	+	+++++ PIPING +++++ EXAMI
PBC,	PBC,	+++ A BRANCH CONNE	+++ A BRANCH CONNECTION WITHOUT CIRCUMFERENTIAL WELDS +++
PBC,A	PBC,A	BC UNK	BRANCH CONNECTION, TYPE UNKNOWN
PBC,E	PBC,E	ELBOWLT	ELBOWLET
PBC,HC	PBC,HC	HALFCPL	HALF COUPLING
PBC,LOL	PBC,LOL	LATROLT	LATEROLET
PBC,LSP	PBC,LSP	LSWEEPT	LATERAL SWEEPOLET
PBC,S	PBC,S	SOCKOLT	SOCKOLET
PBC,SWP	PBC,SWP	SWPOLET	SWEEPOLET
PBC,T	PBC,T	THREDLT	THREADOLET
PBC,TE	PBC,TE	THERMOWELL	TEMPERATURE ELEMENT
PBC,W	PBC,W	WELDOLT	WELDOLET
PBCC,	PBCC,	+++ A BRANCH CONNE	+++ A BRANCH CONNECTION WITH CIRCUMFERENTIAL WELDS ONLY +++
PBCC,CR	PBCC,CR	CROSS	
PBCC,EX	PBCC,EX	EXTRUD	PIPE EXTRUSION
PBCC,L	PBCC,L	LATERAL	
PBCC,T	PBCC,T	TEE	
PBCC,TR	PBCC,TR	RED TEE	TEE, REDUCING
PC,	PC,	+++ CIRCUMFERENTIA	+++ CIRCUMFERENTIAL PIPING WELD +++
PC,ACC	PC,ACC	ACCUM	ACCUMULATOR
PC,CAP	PC,CAP	CAP	
PC,EXPJ	PC,EXPJ	EXP JNT	EXPANSION JOINT

COMPDESA	COMPDESB	DESCRIP	INFO
PC,FE	PC,FE	FLOW EL	FLOW EL FLOW ELEMENT
PC,MAN	PC,MAN	MANIFLD	MANIFLD MANIFOLD
PC,NOZ	PC,NOZ	NOZZLE	NOZZLE
PC,NOZW	PC,NOZW	NOZ WLD	NOZ WLD WELD IN NOZZLE FLANGE
PC,PB	PC,PB	P BEND	P BEND PIPING BEND
PC,PIPE	PC,PIPE	PIPE	PIPE
PC,PUMP	PC,PUMP	PUMP	PUMP
PC,RED	PC,RED	REDUCER	REDUCER
PC,REDI	PC,REDI	RED INS	RED INS REDUCING INSERT
PC,SDFP	PC,SDFP	SUMP PL	SUMP PL SUMP DRAIN FILTER PLATE
PC,SE	PC,SE	SAFEEND	SAFEEND SAFE END
PC,SEAL	PC,SEAL	PENSEAL	PENSEAL PENETRATION SEAL (JET PUMP INSTRUMENTATION - BWR ONLY)
PC,SEE	PC,SEE	SAFEEND	SAFEEND SAFE END EXTENSION
PC,TRS	PC,TRS	TRANS	TRANS TRANSITION PIECE
PC,TS	PC,TS	T STRNR	T STRNR TEMPORARY STRAINER
PC,VENC	PC,VENC	VENTURI	VENTURI CAVITATING VENTURI
PC,VLV	PC,VLV	VALVE	VALVE
PE,	PE,	+++ ELBOWS +++	+++ ELBOWS +++
PE,ELR	PE,ELR	ELB ELR	ELB ELR ELBOW, EXTRA LONG RADIUS
PE,LR	PE,LR	ELB LR	ELB LR ELBOW, LONG RADIUS
PE,RED	PE,RED	RED ELB	RED ELB REDUCING ELBOW
PE,SR	PE,SR	ELB SR	ELB SR ELBOW, SHORT RADIUS
PELBOW	PELBOW	ELBOW	ELBOW ELBOW, RADIUS UNKNOWN
PF,	PF,	+++ FLANGES +++	+++ FLANGES +++
PF,A	PF,A	FLG UNK	FLG UNK FLANGE, TYPE UNKNOWN
PF,B	PF,B	FLG BLN	FLG BLN FLANGE, BLIND
PF,O	PF,O	FLG ORF	FLG ORF FLANGE, ORIFICE
PF,RED	PF,RED	FLG RED	FLG RED FLANGE, REDUCING
PF,RFWN	PF,RFWN	FLG RFW	FLG RFW FLANGE, RAISED FACE WELD NECK
PF,RWNR	PF,RWNR	FLG RWR	FLG RWR FLANGE, RAISED FACE WELD NECK REDUCING
PF,SO	PF,SO	FLG SLP	FLG SLP FLANGE, SLIP ON
PF,SW	PF,SW	+++ FLANGE, SOCKET	+++ FLANGE, SOCKET WELDED (SHOULD BE ENTERED AS PSW,F) +++
PF,WN	PF,WN	FLG WN	FLG WN FLANGE, WELD NECK
PF,WNGF	PF,WNGF	FLG WNG	FLG WNG FLANGE, WELD NECK GROOVED FACE
PF,WNO	PF,WNO	FLG WNO	FLG WNO FLANGE, RAISED FACE WELD NECK ORIFICE
PF,WNTF	PF,WNTF	FLG WNT	FLG WNT FLANGE, WELD NECK TONGUE FACE
PI	PI	+++ INTEGRALLY WEL	+++ INTEGRALLY WELDED ATTACHMENTS +++
PI,	PI,	+++ EXAMINATION CAT	+++ EXAMINATION CATEGORIES B-K-1, C-C, D-A, +++ +++ D-B, AND D-C (81W) +++
PI,CL	PI,CL	CENTER	CENTER PIPE SUPPORT, CENTERING LUG
PI,CLVN	PI,CLVN	CLEVIS	CLEVIS WELDED LUGS, FORMING A CLEVIS, NOT FULL PENETRATION
PI,FHA	PI,FHA	TYPEIIA	TYPEIIA FLUED HEAD, TYPE IIA
PI,FHB	PI,FHB	TYPEIIB	TYPEIIB FLUED HEAD, TYPE IIB
PI,FHI	PI,FHI	TYPE I	TYPE I FLUED HEAD, TYPE I

COMPDESA	COMPDESB	DESCRIP	INFO
PI,HL	PI,HL	HANGER	HANGER PIPE SUPPORT, HANGER LUG
PI,LUGF	PI,LUGF	LUG, FP	LUG, FP LUG, FULL PENETRATION WELD
PI,LUGN	PI,LUGN	LUG, PP	LUG, PP LUG, NOT FULL PENETRATION (FILLET OR PARTIAL PENETRATION)
PI,PSU	PI,PSU	SUPPORT	SUPPORT PIPE SUPPORT, TYPE UNKNOWN
PI,R	PI,R	RING	RING RING SUPPORT
PI,SADL	PI,SADL	SADDLE	SADDLE
PI,STAN	PI,STAN	STANCHN	STANCHN STANCHION
PI,TRUN	PI,TRUN	TRUNNON	TRUNNON TRUNNION
PI,WPA	PI,WPA	SUPPORT	SUPPORT PIPE SUPPORT, CLASS 3 INTEGRALLY WELDED ATTACHMENT
PLSW,	PLSW,	+++ LONGITUDINAL SE	+++ LONGITUDINAL SEAM WELDS +++
PLSW,C	PLSW,C	CRSSEAM	CRSSEAM LONGITUDINAL SEAM WELD, CROSS
PLSW,EI	PLSW,EI	ELBSEAM	ELBSEAM LONGITUDINAL SEAM WELD, ELBOW INSIDE ARC
PLSW,EO	PLSW,EO	ELBSEAM	ELBSEAM LONGITUDINAL SEAM WELD, ELBOW OUTSIDE ARC
PLSW,P	PLSW,P	LNGSEAM	LNGSEAM LONGITUDINAL SEAM WELD, PIPE
PLSW,R	PLSW,R	REDSEAM	REDSEAM LONGITUDINAL SEAM WELD, REDUCER
PLSW,T	PLSW,T	TEESEAM	TEESEAM LONGITUDINAL SEAM WELD, TEE
PP,	PP,	+++ PENETRATION CO	+++ PENETRATION COMPONENTS +++ + USE PI,FHA OR PI,FHB FOR INTEGRAL ATTACHMENT FLU
PP,ENDP	PP,ENDP	PPLATE	PPLATE PENETRATION END PLATE
PP,FHS	PP,FHS	FL HEAD	FL HEAD FLUED HEAD, SINGLE (WITH A WELD IN THE PENETRATION)
PP,FHSI	PP,FHSI	FL HEAD	FL HEAD FLUED HEAD, SINGLE INTEGRAL (ALL ONE PIECE)
PP,FHT	PP,FHT	FL HEAD	FL HEAD FLUED HEAD, TRIPLE (WITH A WELD IN THE PENETRATION)
PP,FHTI	PP,FHTI	FL HEAD	FL HEAD FLUED HEAD, TRIPLE INTEGRAL (ALL ONE PIECE)
PP,PIPE	PP,PIPE	PENPIPE	PENPIPE PENETRATION PIPE (THE PIPE SUPPLIED BY THE CONTAINMENT SUPP
PP,PLT	PP,PLT	PPLATE	PPLATE PENETRATION PLATE
PP,SPSP	PP,SPSP	PEN SHL	PEN SHL SECONDARY SHIELD PENETRATION SHIELD PLATE
PP,TRP	PP,TRP	PENPLT	PENPLT TORUS SHELL PENETRATION REINFORCEMENT PLATE
PSW,	PSW,	+++ SOCKET WELDS ++	+++ SOCKET WELDS +++
PSW,C	PSW,C	CAP	CAP
PSW,CPL	PSW,CPL	COUPLNG	COUPLNG COUPLING
PSW,CPR	PSW,CPR	RCUPLNG	RCUPLNG REDUCING COUPLING
PSW,E	PSW,E	ELBOW	ELBOW
PSW,F	PSW,F	FLANGE	FLANGE
PSW,FO	PSW,FO	ORIFICE	ORIFICE FLANGE, ORIFICE
PSW,HC	PSW,HC	HLF CUP	HLF CUP HALF COUPLING
PSW,MAN	PSW,MAN	MANIFLD	MANIFLD MANIFOLD
PSW,P	PSW,P	PIPE	PIPE
PSW,PB	PSW,PB	P BEND	P BEND PIPING BEND
PSW,RED	PSW,RED	REDUCER	REDUCER
PSW,RIN	PSW,RIN	RED INS	RED INS REDUCING INSERT
PSW,T	PSW,T	TEE	TEE
PSW,TR	PSW,TR	RED TEE	RED TEE REDUCING TEE
PSW,UN	PSW,UN	UNION	UNION
PSW,VLV	PSW,VLV	VALVE	VALVE

COMPDESA	COMPDESB	DESCRIP	INFO
R	R	+	+++++ PWR REACTOR VESSEL INTERNALS +++++ E
RAKUSP	RAKUSP	AKUSP	AKUSP ALIGNMENT KEYWAYS UPPER SUPPORT PLATE
RAP	RAP	ACC PLT	ACC PLT ACCESS PLATE
RBBBC	RBBBC	BBBC	BBBC BAFFLE BOLTING AND BAFFLE CORNERS
RCBFFN	RCBFFN	CBFFN	CBFFN CORE BARREL FLANGE FLOW NOZZLES
RCBMPGW	RCBMPGW	CBMPGW	CBMPGW CORE BARREL MID-PLANE GIRTH WELD
RCBNVIS	RCBNVIS	CBNVIS	CBNVIS CORE BARREL OUTLET NOZZLE/VESSEL INTERFACE SURFACE
RCRDGT	RCRDGT	CRDGT	CRDGT CONTROL ROD DRIVE GUIDE TUBE (INTERNAL INSPECTION OF GUIDE TUB
RCRODS	RCRODS	CRODS	CRODS CONTROL RODS
RCSC	RCSC	CSC	CSC CORE SUPPORT COLUMN
RCSF	RCSF	CSF	CSF CONDUIT SWAGelok FITTINGS, BINDINGS, AND TAB LOCKS
RCSPACB	RCSPACB	CSPACB	CSPACB CORE SUPPORT PLATE ATTACHMENTS TO CORE BARREL
RCSS	RCSS	CSS	CSS CORE SUPPORT STRUCTURES
RFTCBW	RFTCBW	FTCBW	FTCBW FLANGE TO CORE BARREL WELD
RGTAUCP	RGTAUCP	GTAUCP	GTAUCP GUIDE TUBE ATTACHMENTS TO UPPER CORE PLATE
RHAVAP	RHAVAP	HAVAP	HAVAP HEAD & VESSEL ALIGNMENT PINS (MATING SURFACES & ATTACHMENTS)
RIGC	RIGC	IGC	IGC INSTRUMENT GUIDE COLUMNS
RINT	RINT	INT SUR	INT SUR INTERIOR SURFACE
RINTB	RINTB	INTBLT	INTBLT REACTOR VESSEL INTERIOR-BELTLINE REGION
RINTBH	RINTBH	INTBHD	INTBHD REACTOR VESSEL INTERIOR-BOTTOM HEAD
RINTTH	RINTTH	INTTHD	INTTHD REACTOR VESSEL INTERIOR-TOP HEAD
RISB	RISB	ISB	ISB IRRADIATION SPECIMEN BASKETS
RLCP	RLCP	LCP	LCP LOWER CORE PLATE
RLCPFAP	RLCPFAP	LCPFAP	LCPFAP LOWER CORE PLATE FUEL ALIGNMENT PINS
RLCSC	RLCSC	LCSC	LCSC LOWER CORE SUPPORT COLUMNS
RLCSCB	RLCSCB	LCSCB	LCSCB LOWER CORE SUPPORT COLUMN BOLTING
RLSC	RLSC	LSC	LSC LOWER SUPPORT COLUMNS
RNOZINT	RNOZINT	NOZINT	NOZINT REACTOR VESSEL NOZZLE INTERIOR SURFACE
RNPLS	RNPLS	NPLS	NPLS NEUTRON PANEL LOCKING SCREWS
RRCCADS	RRCCADS	RCCADS	RCCADS ROD CLUSTER CONTROL ASSEMBLY (RCCA) DRIVE SHAFTS
RRCCAHS	RRCCAHS	RCCAHS	RCCAHS ROD CLUSTER CONTROL ASSEMBLY (RCCA) HUBS/SPIDERS
RRS/LCS	RRS/LCS	RS/LCS	RS/LCS RADIAL SUPPORTS/LOWER CORE SUPPORTS
RSCSA	RSCSA	SCSA	SCSA SECONDARY CORE SUPPORT ASSEMBLY
RTC	RTC	TC	TC THERMOCOUPLE CONDUITS
RTCC	RTCC	TCC	TCC THERMOCOUPLE CONDUIT CLAMPS
RTCGT	RTCGT	TCGT	TCGT THERMOCOUPLE COLUMN AND GUIDE TUBE SCREW LOCKING DEVICES
RTCP	RTCP	TCP	TCP THERMOCOUPLE CONDUIT TO PLUG WELD
RTFM	RTFM	TFM	TFM THERMOCOUPLES AND FLOW MIXERS
RTSF	RTSF	TSF	TSF THERMAL SHIELD FLEXURES
RUCPAK	RUCPAK	UCPAK	UCPAK UPPER CORE PLATE ALIGNMENT KEYWAYS
RUCPFAP	RUCPFAP	UCPFAP	UCPFAP UPPER CORE PLATE FUEL ALIGNMENT PINS
RUIAKCB	RUIAKCB	UIAKCB	UIAKCB UPPER INTERNALS ALIGNMENT KEYS IN CORE BARREL
RUSC	RUSC	USC	USC UPPER SUPPORT COLUMNS

COMPDESA	COMPDESB	DESCRIP	INFO	
RUSF	RUSF	USF	USF	UPPER SUPPORT FLANGE (LOCKING DEVICE WELDS)
S	S	+	+	***** BWR REACTOR VESSEL INTERNALS ***** E
SCORES	SCORES	CORESUP	CORESUP	REACTOR VESSEL CORE SUPPORT STRUCTURE
SINT	SINT	INT SUR	INT SUR	REACTOR VESSEL INTERIOR SURFACES
SINTBL	SINTBL	INTATCH	INTATCH	REACTOR VESSEL INTERIOR ATTACHMENTS - BELTLINE
SINTNBL	SINTNBL	INTATCH	INTATCH	REACTOR VESSEL INTERIOR ATTACHMENTS - NON BELTLINE
T	T	+	+	***** PWR PUMPS ***** EX
TBSUP	TBSUP	SUP PLT	SUP PLT	SUPPORT PLATE, BOLTED
TCHP1A	TCHP1A	CH PMPA	CH PMPA	CHARGING WATER PUMP A
TCHP1B	TCHP1B	CH PMPB	CH PMPB	CHARGING WATER PUMP B
TCHP1C	TCHP1C	CH PMPC	CH PMPC	CHARGING WATER PUMP C
TFLYWHL	TFLYWHL	FLYWHL	FLYWHL	FLYWHEEL
TI,CRAD	TI,CRAD	CRADLE	CRADLE	PUMP CRADLE, WELDED
TIFEET	TIFEET	FEET	FEET	PUMP SUPPORT FEET
TPUINT	TPUINT	PUMPINT	PUMPINT	PUMP INTERNALS
TPUMPCW	TPUMPCW	PUMPCW	PUMPCW	PUMP CASING WELD
TRCP	TRCP	RC PMP	RC PMP	REACTOR COOLANT PUMP
TRCP1A	TRCP1A	RC PMPA	RC PMPA	REACTOR COOLANT PUMP A
TRCP1B	TRCP1B	RC PMPB	RC PMPB	REACTOR COOLANT PUMP B
TRCP1C	TRCP1C	RC PMPC	RC PMPC	REACTOR COOLANT PUMP C
TRCPANI	TRCPANI	RCPANI	RCPANI	REACTOR COOLANT PUMP A--NOZZLE, INLET
TRCPANO	TRCPANO	RCPANO	RCPANO	REACTOR COOLANT PUMP A--NOZZLE, OUTLET
TRCPBNI	TRCPBNI	RCPBNI	RCPBNI	REACTOR COOLANT PUMP--NOZZLE, INLET
TRCPBNO	TRCPBNO	RCPBNO	RCPBNO	REACTOR COOLANT PUMP B--NOZZLE, OUTLET
TRCPCNI	TRCPCNI	RCPANI	RCPANI	REACTOR COOLANT PUMP C--NOZZLE, INLET
TRCPCNO	TRCPCNO	RCPANO	RCPANO	REACTOR COOLANT PUMP C--NOZZLE, OUTLET
TRHP1A	TRHP1A	RH PMPA	RH PMPA	RESIDUAL HEAT REMOVAL PUMP A
TRHP1B	TRHP1B	RH PMPB	RH PMPB	RESIDUAL HEAT REMOVAL PUMP B
TRSP1A	TRSP1A	RS PMPA	RS PMPA	RECIRCULATION SPRAY PUMP A
TRSP1B	TRSP1B	RS PMPB	RS PMPB	RECIRCULATION SPRAY PUMP B
TRSP1C	TRSP1C	RS PMPC	RS PMPC	RECIRCULATION SPRAY PUMP C
TRSP1D	TRSP1D	RS PMPD	RS PMPD	RECIRCULATION SPRAY PUMP D
TSRCP	TSRCP	S RCP	S RCP	SUPPORT REACTOR COOLANT PUMP
TWSUP	TWSUP	SUP PLT	SUP PLT	SUPPORT PLATE, WELDED
U	U	+	+	***** BWR PUMPS ***** EX
UCSP1A	UCSP1A	CS PMPA	CS PMPA	CORE SPRAY PUMP A
UCSP1B	UCSP1B	CS PMPB	CS PMPB	CORE SPRAY PUMP B
UCSP1C	UCSP1C	CS PMPC	CS PMPC	CORE SPRAY PUMP C
UCSP1D	UCSP1D	CS PMPD	CS PMPD	CORE SPRAY PUMP D
UHPB	UHPB	HP BOOS	HP BOOS	HIGH PRESSURE COOLANT INJECTION BOOSTER PUMP
UHPCS	UHPCS	HPCS	HPCS	HIGH PRESSURE CORE SPRAY
UHPM	UHPM	HP MAIN	HP MAIN	HIGH PRESSURE COOLANT INJECTION MAIN PUMP
UPUHL	UPUHL	PUMPHL	PUMPHL	PUMP HANGER LUGS

COMPDESA	COMPDESB	DESCRIP	INFO
UPUINT	UPUINT	PUMPINT	PUMP INTERNALS
UPUMPCW	UPUMPCW	PUMPCW	PUMP CASING WELD
URCIC	URCIC	RCIC	REACTOR CORE ISOLATION COOLING PUMP
URHP1A	URHP1A	RH PMPA	RESIDUAL HEAT REMOVAL PUMP A
URHP1B	URHP1B	RH PMPB	RESIDUAL HEAT REMOVAL PUMP B
URHP1C	URHP1C	RH PMPC	RESIDUAL HEAT REMOVAL PUMP C
URHP1D	URHP1D	RH PMPD	RESIDUAL HEAT REMOVAL PUMP D
URRP1A	URRP1A	RR PMPA	REACTOR RECIRCULATION PUMP A
URRP1B	URRP1B	RR PMPB	REACTOR RECIRCULATION PUMP B
USLP1A	USLP1A	SL PMPA	STANDBY LIQUID CONTROL PUMP A
USLP1B	USLP1B	SL PMPB	STANDBY LIQUID CONTROL PUMP B
V	V	+	***** PWR PRESSURE VESSELS ***** EX
VAT1A	VAT1A	A TANKA	ACCUMULATOR TANK A
VAT1B	VAT1B	A TANKB	ACCUMULATOR TANK B
VAT1C	VAT1C	A TANKC	ACCUMULATOR TANK C
VCHVP	VCHVP	CHVP	CLOSURE HEAD VENT PENETRATION
VCHW	VCHW	C HEAD	CIRCUMFERENTIAL HEAD WELD
VCLADH	VCLADH	CLAD HD	CLADDING, HEAD
VCLADV	VCLADV	CLAD VS	CLADDING, VESSEL
VCRDHW	VCRDHW	CRDHW	CONTROL ROD DRIVE HOUSING WELD
VCRDTWV	VCRDTWV	CRDTWV	CONTROL ROD DRIVE TO VESSEL WELD
VCSW	VCSW	C SHELL	CIRCUMFERENTIAL SHELL WELD
VELHE	VELHE	ELHE	EXCESS LETDOWN HEAT EXCHANGER
VFTHW	VFTHW	FTHW	FLANGE TO HEAD WELD
VFTSW	VFTSW	FTSW	FLANGE TO SHELL WELD
VHTRPEN	VHTRPEN	HTR PEN	HEATER PENETRATIONS (PRESSURIZER)
VI,	VI,	+++ INTEGRALLY WELD	+++ INTEGRALLY WELDED ATTACHMENT +++
VI,CRAD	VI,CRAD	CRADLE	VESSEL CRADLE, WELDED
VI,LUG	VI,LUG	LUG	
VI,PSB	VI,PSB	PZR SUP BR	PRESSURIZER SUPPORT BRACKET
VI,PSC	VI,PSC	PZR COL	PRESSURIZER SUPPORT COLLAR
VI,SGSW	VI,SGSW	SGSW	STEAM GENERATOR SUPPORT WELD
VI,SR	VI,SR	SADDLE	SADDLE REINFORCEMENT (NOZZLE, TRUNION, ETC.)
VI,STAN	VI,STAN	STANCHN	STANCHION
VI,STWV	VI,STWV	SKIRT	SKIRT TO VESSEL WELD
VI,SWP	VI,SWP	WELDPAD	SUPPORT WELD PAD
VI,TRUN	VI,TRUN	TRUNNON	TRUNNION
VI,WSUP	VI,WSUP	PLATE	WELDED SUPPORT PLATE
VICINOZ	VICINOZ	ICI NOZ	IN-CORE INSTRUMENTATION NOZZLES
VINT	VINT	INT SUR	VESSEL INTERIOR SURFACE
VLSW	VLSW	L SHELL	LONGITUDINAL SHELL WELD
VMHW	VMHW	M HEAD	MERIDIONAL HEAD WELD
VMTHW	VMTHW	MANWAY	MANWAY TO HEAD WELD (CIRCUMFERENTIAL WELD)



COMPDESA	COMPDESB	DESCRIP	INFO
VNIR	VNIR	NIR	NIR NOZZLE INNER RADIUS
VNIR--	VNIR--	NIR	NIR-- ; WHERE NIR INDICATES NOZZLE INNER RADIUS AND -- WOULD INCLUDE THE NOZZLE NUMBER
VNIR1AI	VNIR1AI	NIR1AI	NOZZLE 1A (INLET) INNER RADIUS
VNIR1BI	VNIR1BI	NIR1BI	NOZZLE 1B (INLET) INNER RADIUS
VNIR1CI	VNIR1CI	NIR1CI	NOZZLE 1C (INLET) INNER RADIUS
VNIR3AO	VNIR3AO	NIR3AO	NOZZLE 3A (OUTLET) INNER RADIUS
VNIR3BO	VNIR3BO	NIR3BO	NOZZLE 3B (OUTLET) INNER RADIUS
VNIR3CO	VNIR3CO	NIR3CO	NOZZLE 3C (OUTLET) INNER RADIUS
VNOZ	VNOZ	NOZZLE	NOZZLE
VNOZ--	VNOZ--	NOZZLE	NOZZLE-- ; WHERE NOZ INDICATES A VESSEL NOZZLE AND -- WOULD INCLUDE THE NOZZLE NUMBER A
VNOZ1AI	VNOZ1AI	NOZ1AI	NOZZLE 1A (INLET)
VNOZ1AO	VNOZ1AO	NOZ1AO	NOZZLE 1A (OUTLET)
VNOZ1BI	VNOZ1BI	NOZ1BI	NOZZLE 1B (INLET)
VNOZ1BO	VNOZ1BO	NOZ1BO	NOZZLE 1B (OUTLET)
VNOZ1CI	VNOZ1CI	NOZ1CI	NOZZLE 1C (INLET)
VNOZ1CO	VNOZ1CO	NOZ1CO	NOZZLE 1C (OUTLET)
VNOZ1XI	VNOZ1XI	VNOZ1XI	NOZZLE 1X (INLET)
VNOZ1XO	VNOZ1XO	NOZ1XO	NOZZLE 1X (OUTLET)
VNOZ3AI	VNOZ3AI	NOZ3AI	NOZZLE 3A (INLET)
VNOZ3AO	VNOZ3AO	NOZ3AO	NOZZLE 3A (OUTLET)
VNOZ3BI	VNOZ3BI	NOZ3BI	NOZZLE 3B (INLET)
VNOZ3BO	VNOZ3BO	NOZ3BO	NOZZLE 3B (OUTLET)
VNOZ3CI	VNOZ3CI	NOZ3CI	NOZZLE 3C (INLET)
VNOZ3CO	VNOZ3CO	NOZ3CO	NOZZLE 3C (OUTLET)
VNRHE	VNRHE	NRHE	NON-REGENERATIVE HEAT EXCHANGER
VNTHW	VNTHW	NOZZLE	NOZZLE TO HEAD WELD
VNTHWI	VNTHWI	NOZZLE	NOZZLE TO HEAD WELD (INLET)
VNTHWO	VNTHWO	NOZZLE	NOZZLE TO HEAD WELD (OUTLET)
VNTWW	VNTWW	NOZZLE	NOZZLE TO VESSEL WELD
VNTWWI	VNTWWI	NOZZLE	NOZZLE TO VESSEL WELD (INLET)
VNTWVO	VNTWVO	NOZZLE	NOZZLE TO VESSEL WELD (OUTLET)
VPRZ	VPRZ	VPRZ	PRESSURIZER
VPZR	VPZR	VPZR	PRESSURIZER
VRCF	VRCF	RCFILTR	REACTOR COOLANT FILTER
VREPAIR	VREPAIR	REPAIR	REPAIR AREA IN BELTLINE REGION ONLY
VRH1A	VRH1A	RH HX A	RESIDUAL HEAT REMOVAL HEAT EXCHANGER A
VRH1B	VRH1B	RH HX B	RESIDUAL HEAT REMOVAL HEAT EXCHANGER B
VRHE	VRHE	RHE	REGENERATIVE HEAT EXCHANGER
VRS1A	VRS1A	RS CLRA	RECIRCULATION SPRAY COOLER A
VRS1B	VRS1B	RS CLRB	RECIRCULATION SPRAY COOLER B
VRS1C	VRS1C	RS CLRC	RECIRCULATION SPRAY COOLER C
VRS1D	VRS1D	RS CLRC	RECIRCULATION SPRAY COOLER D
VRV	VRV	REACTOR	REACTOR VESSEL



COMPDESA	COMPDESB	DESCRIP	INFO	
VRVNAI	VRVNAI	RVNOZAI	RVNOZAI	REACTOR VESSEL NOZZLE-LOOP A INLET (NOZZLE N1)
VRVNAO	VRVNAO	RVNOZAO	RVNOZAO	REACTOR VESSEL NOZZLE-LOOP A OUTLET (NOZZLE N6)
VRVNBI	VRVNBI	RVNOZBI	RVNOZBI	REACTOR VESSEL NOZZLE-LOOP B INLET (NOZZLE N3)
VRVNBO	VRVNBO	RVNOZBO	RVNOZBO	REACTOR VESSEL NOZZLE-LOOP B OUTLET (NOZZLE N2)
VRVNCI	VRVNCI	RVNOZCI	RVNOZCI	REACTOR VESSEL NOZZLE-LOOP C INLET (NOZZLE N5)
VRVNCO	VRVNCO	RVNOZCO	RVNOZCO	REACTOR VESSEL NOZZLE-LOOP C OUTLET (NOZZLE N4)
VSE	VSE	SAFEEND	SAFEEND	SAFE END
VSG1A	VSG1A	CHANGED TO VSGA	CHANGED TO VSGA	
VSG1B	VSG1B	CHANGED TO VSGB	CHANGED TO VSGB	
VSG1C	VSG1C	CHANGED TO VSGC	CHANGED TO VSGC	
VSGA	VSGA	SGA	SGA	STEAM GENERATOR A
VSGANI	VSGANI	SGANOZI	SGANOZI	STEAM GENERATOR A--NOZZLE, INLET
VSGANO	VSGANO	SGANOZO	SGANOZO	STEAM GENERATOR A--NOZZLE, OUTLET
VSGB	VSGB	SGB	SGB	STEAM GENERATOR B
VSGBNI	VSGBNI	SGBNOZI	SGBNOZI	STEAM GENERATOR B--NOZZLE, INLET
VSGBNO	VSGBNO	SGBNOZO	SGBNOZO	STEAM GENERATOR B--NOZZLE, OUTLET
VSGC	VSGC	SGC	SGC	STEAM GENERATOR C
VSGCNI	VSGCNI	SGCNOZI	SGCNOZI	STEAM GENERATOR C--NOZZLE, INLET
VSGCNO	VSGCNO	SGCNOZO	SGCNOZO	STEAM GENERATOR C--NOZZLE, OUTLET
VSTHW	VSTHW	STHW	STHW	SHELL TO HEAD WELD
VSWHE	VSWHE	SWHE	SWHE	SEAL WATER HEAT EXCHANGER
VSWIFA	VSWIFA	SWIFA	SWIFA	SEAL WATER INJECTION FILTER A
VSWIFB	VSWIFB	SWIFB	SWIFB	SEAL WATER INJECTION FILTER B
VSWRF	VSWRF	SWRF	SWRF	SEAL WATER RETURN FILTER
VTSTHW	VTSTHW	TSTHW	TSTHW	TUBE SHEET TO HEAD WELD
VTSTVW	VTSTVW	TSTVW	TSTVW	TUBE SHEET TO VESSEL WELD
VCCT	VCCT	VC TANK	VC TANK	VOLUME CONTROL TANK
W	W	+	+	***** BWR PRESSURE VESSELS ***** EXAMINATION CATEGORIES B-A,
WCHW	WCHW	C HEAD	C HEAD	CIRCUMFERENTIAL HEAD WELD
WCLADH	WCLADH	CLAD HD	CLAD HD	CLADDING, HEAD
WCLADV	WCLADV	CLAD VS	CLAD VS	CLADDING, VESSEL
WCRDHW	WCRDHW	CRDHW	CRDHW	CONTROL ROD DRIVE HOUSING WELD
WCRDTST	WCRDTST	CRDTST	CRDTST	CONTROL ROD DRIVE TO STUB TUBE WELD
WCRDTVW	WCRDTVW	CRDTVW	CRDTVW	CONTROL ROD DRIVE TO VESSEL WELD
WCSW	WCSW	C SHELL	C SHELL	CIRCUMFERENTIAL SHELL WELD
WFTHW	WFTHW	FTHW	FTHW	FLANGE TO HEAD WELD
WFTSW	WFTSW	FTSW	FTSW	FLANGE TO SHELL WELD
WI,	WI,	+++ INTEGRALLY WELD	+++ INTEGRALLY WELDED ATTACHMENT +++	
WI,LUG	WI,LUG	LUG	LUG	
WI,SR	WI,SR	SADDLE	SADDLE	SADDLE REINFORCEMENT (NOZZLE, TRUNION, ETC.)
WI,STAN	WI,STAN	STANCHN	STANCHN	STANCHION
WI,STVW	WI,STVW	SKIRT	SKIRT	SKIRT TO VESSEL WELD
WI,SWP	WI,SWP	WELDPAD	WELDPAD	SUPPORT WELD PAD

COMPDESA	COMPDESB	DESCRIP	INFO
WI,TRUN	WI,TRUN	TRUNNON	TRUNNON TRUNNION
WICINOZ	WICINOZ	ICI NOZ	ICI NOZ IN-CORE INSTRUMENTATION NOZZLES
WINT	WINT	INT SUR	INT SUR VESSEL INTERIOR SURFACE
WLSW	WLSW	L SHELL	L SHELL LONGITUDINAL SHELL WELD
WMHW	WMHW	M HEAD	M HEAD MERIDIONAL HEAD WELD
WNIR	WNIR	NIR	NIR NOZZLE INNER RADIUS
WNIR--	WNIR--	NIR--	NIR-- ; WHERE NIR INDICATES NOZZLE INNER RADIUS AND -- WOULD INCLUDE THE NOZZLE NUM
WNIR3AI	WNIR3AI	NOZZLE INNER RADIUS	NOZZLE INNER RADIUS - NOZZLE 3A, INLET
WNIR3BI	WNIR3BI	NOZZLE INNER RADIUS	NOZZLE INNER RADIUS - NOZZLE 3B, INLET
WNIR4AO	WNIR4AO	NOZZLE INNER RADIUS	NOZZLE INNER RADIUS - NOZZLE 4A, OUTLET
WNIR4BO	WNIR4BO	NOZZLE INNER RADIUS	NOZZLE INNER RADIUS - NOZZLE 4B, OUTLET
WNOZ	WNOZ	NOZZLE	NOZZLE
WNOZ--	WNOZ--	NOZZLE	NOZ-- ; WHERE NOZ INDICATES A VESSEL NOZZLE AND -- WOULD INC
WNOZ3AI	WNOZ3AI	VESSEL NOZZLE - NOZ	VESSEL NOZZLE - NOZZLE 3A, INLET
WNOZ3BI	WNOZ3BI	VESSEL NOZZLE - NOZ	VESSEL NOZZLE - NOZZLE 3B, INLET
WNOZ4AO	WNOZ4AO	VESSEL NOZZLE - NOZ	VESSEL NOZZLE - NOZZLE 4A, OUTLET
WNOZ4BO	WNOZ4BO	VESSEL NOZZLE - NOZ	VESSEL NOZZLE - NOZZLE 4B, OUTLET
WNTHW	WNTHW	NOZZLE	NOZZLE NOZZLE TO HEAD WELD
WNTS	WNTS	TSLEEVE	TSLEEVE NOZZLE THERMAL SLEEVE
WNTWV	WNTWV	NOZZLE	NOZZLE NOZZLE TO VESSEL WELD
WNTVWI	WNTVWI	NOZZLE	NOZZLE NOZZLE TO VESSEL WELD (INLET)
WNTVWO	WNTVWO	NOZZLE	NOZZLE NOZZLE TO VESSEL WELD (OUTLET)
WREPAIR	WREPAIR	REPAIR	REPAIR REPAIR AREA IN BELTLINE REGION ONLY
WRH1A	WRH1A	RH HX A	RH HX A RESIDUAL HEAT REMOVAL HEAT EXCHANGER A
WRH1B	WRH1B	RH HX B	RH HX B RESIDUAL HEAT REMOVAL HEAT EXCHANGER B
WRV	WRV	REACTOR	REACTOR REACTOR VESSEL
WSE	WSE	SAFEEND	SAFEEND SAFE END
WSTHW	WSTHW	STHW	STHW SHELL TO HEAD WELD
WSTTVV	WSTTVV	STUB TUBE	STUB TUBE STUB TUBE TO VESSEL WELD
WTSTVV	WTSTVV	TSTVV	TSTVV TUBE SHEET TO VESSEL WELD

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ASME Category	ASME Item Number	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
B-A	B1.11	100	3	3	100	0	0	3	May be deferred to end of Interval.
B-A	B1.12	100	6	6	100	0	0	6	May be deferred to end of Interval
B-A	B1.21	100	1	1	100	0	0	1	May be deferred to end of Interval
B-A	B1.22	100	6	6	100	0	0	6	May be deferred to end of Interval
B-A	B1.30	100	2	2	100	1	0	1	May be deferred to end of Interval. If partial examinations are conducted from the flange face, the remaining volumetric examinations required to be conducted from the vessel wall may be performed at or near the end of the inspection interval.
B-A	B1.40	100	1	1	100	1	0	0	May be deferred to end of Interval
B-A	B1.51	0	0	0	0	0	0	0	There are no weld repair areas in the bellline region.
B-B	B2.11	100	2	2	100	1	1	0	Deferrel to end of Interval is not permissible
B-B	B2.12	100	2	2	100	1	1	0	Deferrel to end of Interval is not permissible
B-B	B2.21	0	0	0	0	0	0	0	No Components under this Item Number
B-B	B2.22	0	0	0	0	0	0	0	No components under this Item Number
B-B	B2.31	0	0	0	0	0	0	0	No components under this Item Number
B-B	B2.32	0	0	0	0	0	0	0	No components under this Item Number

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ASME Category	ASME Item Number	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
B-B	B2.40	100	1	3	300	0	0	3	This Item Number pertains to Pressure retaining welds in vessels other than reactor vessels, tubesheet-to-head weld. The examination may be limited to one vessel among the group of vessels performing a similar function. Only one SG tubesheet-to-head weld
B-B	B2.51	0	0	0	0	0	0	0	No components under this Item Number
B-B	B2.52	0	0	0	0	0	0	0	No components under this Item Number
B-B	B2.60	0	0	0	0	0	0	0	No components under this Item Number
B-B	B2.70	0	0	0	0	0	0	0	No components under this Item Number
B-B	B2.80	0	0	0	0	0	0	0	No components under this item Number
B-D	B3.100	100	6	6	100	0	0	6	The Code rules do not allow deferral to the end of Interval. However, Code Case N-521 does (See 2R1-009)
B-D	B3.110	100	6	6	100	6	0	0	Deferral to end of Interval is not permissible
B-D	B3.120	100	6	6	100	6	0	0	Deferral to end of Interval is not permissible
B-D	B3.130	100	6	6	100	0	6	0	Deferral to end of Interval is not permissible
B-D	B3.140	100	6	6	100	0	6	0	Deferral to end of Interval is not permissible
B-D	B3.150	0	0	0	0	0	0	0	No components under this Item Number
B-D	B3.160	0	0	0	0	0	0	0	No components under this Item Number
B-E	B4.11	25	4	4	25	0	0	4	Deferral to end of Interval is permissible

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ASME Category	ASME Item Number	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
B-E	B4.12	25	23	23	25	0	0	23	Deferral to end of Interval is permissible
B-E	B4.13	25	13	13	25	0	0	13	Deferral to end of Interval is permissible
B-E	B4.20	100	78	78	100	0	0	78	Deferral to end of Interval is permissible
B-F	B5.10	100	6	6	100	0	0	6	Deferral to end of Interval is not permissible. However, Code Case N-521 does, (See 2R1-009)
B-F	B5.20	0	0	0	0	0	0	0	No components under this Item Number
B-F	B5.30	0	0	0	0	0	0	0	No components under this Item Number
B-F	B5.40	100	6	6	100	6	0	0	Deferral to end of Interval is not permissible
B-F	B5.50	0	0	0	0	0	0	0	No components under this Item Number
B-F	B5.60	0	0	0	0	0	0	0	No components under this Item Number
B-F	B5.70	100	6	6	100	0	6	0	Deferral to end of Interval is not permissible
B-F	B5.80	0	0	0	0	0	0	0	No components under this Item Number
B-F	B5.90	0	0	0	0	0	0	0	No components under this Item Number
B-F	B5.100	0	0	0	0	0	0	0	No components under this Item Number
B-F	B5.110	0	0	0	0	0	0	0	No components under this Item Number
B-F	B5.120	0	0	0	0	0	0	0	No components under this Item Number
B-F	B5.130	0	0	0	0	0	0	0	No components under this Item Number
B-F	B5.140	0	0	0	0	0	0	0	No components under this Item Number



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ASME Category	ASME Item Number	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
B-F	B5.150	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.10	100	58	58	100	19	19	20	Deferral to end of Interval is not permissible
B-G-1	B6.20	100	3	3	100	0	2	1	Deferral to end of Interval is not permissible
B-G-1	B6.30	100	58	58	100	19	19	20	Deferral to end of Interval is permissible
B-G-1	B6.40	100	58	58	100	19	19	20	Deferral to end of Interval is not permissible
B-G-1	B6.50	100	58	58	100	19	19	20	Deferral to end of Interval is not permissible
B-G-1	B6.60	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.70	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.80	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.90	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.100	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.110	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.120	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.130	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.140	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.150	0	0	0	0	0	0	0	No components under this Item number
B-G-1	B6.160	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.170	0	0	0	0	0	0	0	No components under this Item Number

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ASME Category	ASME Item Number	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
B-G-1	B6.180	33	24	24	33	0	0	24	Deferral to end of Interval is permissible except when the detected leakage of borated water requires a VT-1 in accordance with IWA-5250(a)(2)
B-G-1	B6.190	100	72	72	100	0	0	72	Required to be examined only when connections are disassembled
B-G-1	B6.200	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.210	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.220	0	0	0	0	0	0	0	No components under this Item Number
B-G-1	B6.230	0	0	0	0	0	0	0	No components under this Item Number
B-G-2	B7.10	100	12	12	100	3	3	6	Deferral to end of Interval is not permissible
B-G-2	B7.20	100	32	32	100	0	32	0	Deferral to end of Interval is not permissible
B-G-2	B7.30	100	192	192	100	64	64	64	Deferral to end of Interval is not permissible
B-G-2	B7.40	0	0	0	0	0	0	0	No components under this Item Number
B-G-2	B7.50	100	36	36	100	Any	Any	Any	Bolting exams required only on valves selected per B-M-2
B-G-2	B7.60	100	60	60	100	Any	Any	Any	Bolting exams required only on pumps selected per B-I-2
B-G-2	B7.70	100	24	24	100	Any	Any	Any	Bolting exams required only on valves selected per B-M-2
B-G-2	B7.80	0	0	0	0	0	0	0	No components under this Item Number

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ASME Category	ASME Item Number	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
B-II	B8.10	0	0	0	0	0	0	0	No components under this Item Number
B-II	B8.20	100	13	13	100	4	3	6	Deferral to end of Interval is not permissible
B-II	B8.30	0	0	0	0	0	0	0	No components under this Item Number
B-II	B8.40	0	0	0	0	0	0	0	No components under this Item Number
B-J	B9.11	25	80	76	24	21	20	35	See IWB-2500-1 Table Notes (25%)
B-J	B9.12	0	0	0	0	0	0	0	No components under this Item Number
B-J	B9.21	25	20	25	30	8	6	11	See IWB-2500-1 Table Notes (25%)
B-J	B9.22	0	0	0	0	0	0	0	No components under this Item Number
B-J	B9.32	25	11	13	29	5	5	3	See IWB-2500-1 Table Notes (25%)
B-J	B9.40	25	35	38	27	10	10	18	See IWB-2500-1 Table Notes (25%)
B-K-1	B10.10	100	2	2	100	0	1	1	See IWB-2500-1 Table Notes
B-K-1	B10.20	0	0	0	0	0	0	0	No components under this Item Number
B-K-1	B10.30	0	0	0	0	0	0	0	No components under this Item Number
B-L-1	B12.10	100	1	1	100	0	0	1	See IWB-2500-1 Table Notes
B-L-2	B12.20	100	1	1	100	0	0	1	See IWB-2500-1 Table Notes
B-M-1	B12.30	0	0	0	0	0	0	0	No components under this Item Number
B-M-1	B12.40	0	0	0	0	0	0	0	No components under this Item Number
B-M-2	B12.50	100	25	25	100	Any	Any	Any	See IWB-2500-1 Table Notes

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ASME Category	ASME Item Number	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
B-N-1	B13.10	100	3	3	100	1	1	1	Required each inspection period
B-N-2	B13.50	0	0	0	0	0	0	0	No components under this Item Number
B-N-2	B13.60	100	4	4	100	0	0	4	Deferral to end of Interval is permissible
B-N-3	B13.70	100	1	1	100	0	0	1	Deferral to end of Interval is permissible
B-O	B14.10	10	3	3	10	0	0	3	Deferral to end of Interval is permissible
B-P	All Item Numbers	0	0	0	0	0	0	0	See Section 9 of the ISI Insepection Plan
B-Q	B16.10	0	0	0	0	0	0	0	See Tech. Spec. 3/4.4.5
B-Q	B16.20	0	0	0	0	0	0	0	See Tech. Spec. 3/4.4.5
C-A	C1.10	100	5	5	100	2	3	0	See IWC-2500-1 Table Notes
C-A	C1.20	100	8	8	100	1	5	2	See IWC-2500-1 Table Notes
C-A	C1.30	100	3	3	100	1	0	2	See IWC-2500-1 Table Notes
C-B	C2.11	0	0	0	0	0	0	0	No components under this Item Number
C-B	C2.21	100	5	5	100	0	2	3	See IWC-2500-1 Table Notes
C-B	C2.22	100	2	2	100	0	2	0	See IWC-2500-1 Table Notes
C-B	C2.31	100	2	2	100	2	0	0	See IWC-2500-1 Table Notes
C-B	C3.32	100	4	0	0	0	0	0	Inaccessible, See RR 2R2-005
C-B	C2.33	100	6	6	100	2	2	2	See IWC-2500-1 Table Notes

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ASME Category	ASME Item Number	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
C-C	C3.10	100	1	1	100	0	1	0	See IWC-2500-1 Table Noes
C-C	C3.20	100	24	24	100	6	10	8	See IWC-2500-1 Table Notes
C-C	C3.30	100	10	10	100	3	3	4	See IWC-2500-1 Table Notes
C-C	C3.40	0	0	0	0	0	0	0	No components under this Item Number
C-D	C4.10	0	0	0	0	0	0	0	No components under this Item Number
C-D	C4.20	0	0	0	0	0	0	0	No components under this Item Number
C-D	C4.30	0	0	0	0	0	0	0	No components under this Item Number
C-D	C4.40	0	0	0	0	0	0	0	No components under this Item Number
C-F-1	C5.11	7.5	28	63	18	18	27	17	See IWC-2500-1 Table Notes
C-F-1	C5.12	7.5	28	49	27	16	18	15	See IWC-2500-1 Table Notes
C-F-1	C5.21	7.5	19	33	13	12	15	6	See IWC-2500-1 Table Notes
C-F-1	C5.22	0	0	0	0	0	0	0	No components under this Item Number
C-F-1	C5.30	7.5	15	19	9	7	8	4	See IWC-2500-1 Table Notes
C-F-1	C5.41	0	0	0	0	0	0	0	No components under this Item Number
C-F-1	C5.42	0	0	0	0	0	0	0	No components under this Item Number
C-F-2	C5.51	7.5	20	112	41	33	46	33	See IWC-2500-1 Table Notes
C-F-2	C5.52	7.5	4	16	32	4	6	6	See IWC-2500-1 Table Notes
C-F-2	C5.61	0	0	0	0	0	0	0	No components under this Item number

CAROLINA POWER & LIGHT COMPANY
Harris Nuclear Plant
Second Inservice Inspection Interval
Inservice Inspection Plan

ASME Category	ASME Item Number	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
C-F-2	C5.62	0	0	0	0	0	0	0	No components under this Item Number
C-F-2	C5.70	0	0	0	0	0	0	0	No components under this Item Number
C-F-2	C5.81	0	0	0	0	0	0	0	No components under this Item Number
C-F-2	C5.82	0	0	0	0	0	0	0	No components under this Item Number
C-G	C6.10	0	0	0	0	0	0	0	No components under this Item Number
C-G	C6.20	0	0	0	0	0	0	0	No components under this Item Number
C-H	C7.10	0	0	0	0	0	0	0	See Section 9 of the Inspection plan
C-H	C7.20	0	0	0	0	0	0	0	See Section 9 of the Inspection Plan
C-H	C7.30	0	0	0	0	0	0	0	See Section 9 of the Inspection Plan
C-H	C7.40	0	0	0	0	0	0	0	See Section 9 of the Inspection Plan
C-H	C7.50	0	0	0	0	0	0	0	See Section 9 of the Inspection Plan
C-H	C7.60	0	0	0	0	0	0	0	See Section 9 of the Inspection Plan
C-H	C7.70	0	0	0	0	0	0	0	See Section 9 of the Inspection Plan
C-H	C7.80	0	0	0	0	0	0	0	See Section 9 of the Inspection Plan
D-A	D1.10	0	0	0	0	0	0	0	See Section 9 of the Inspection Plan
D-A	D1.20	100	30	30	100	10	9	11	See IWD-2500-1 Table Notes
D-A	D1.30	0	0	0	0	0	0	0	No components under this Item Number
D-A	D1.40	0	0	0	0	0	0	0	No components under this Item Number

CAROLINA POWER & LIGHT COMPANY
Harris Nuclear Plant
Second Inservice Inspection Interval
Inservice Inspection Plan

ASME Category	ASME Item Number	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
D-A	D1.50	0	0	0	0	0	0	0	No components under this Item Number
D-A	D1.60	0	0	0	0	0	0	0	No components under this Item Number
D-B	D2.10	0	0	0	0	0	0	0	See Section 9 of the Inspection Plan
D-B	D2.20	0	0	0	0	0	0	0	No components under this Item Number
D-B	D2.30	0	0	0	0	0	0	0	No components under this Item Number
D-B	D2.40	0	0	0	0	0	0	0	No components under this Item Number
D-B	D2.50	0	0	0	0	0	0	0	No components under this Item Number
D-B	D2.60	0	0	0	0	0	0	0	No components under this Item Number
D-C	D3.10	0	0	0	0	0	0	0	See Section 9 of the Inspection Plan
D-C	D3.20	0	0	0	0	0	0	0	No components under this Item Number
D-C	D3.30	0	0	0	0	0	0	0	No components under this Item Number
D-C	D3.40	0	0	0	0	0	0	0	No components under this Item Number
D-C	D3.50	0	0	0	0	0	0	0	No components under this Item Number
D-C	D3.60	0	0	0	0	0	0	0	No components under this item Number
F-A	F1.10	25	67	75	28	20	28	27	See F-A-1 Section of the Inspection Plan
F-A	F1.20	15	96	103	16	52	27	24	See F-A-1 Section of the Inspection Plan
F-A	F1.30	10	138	151	11	33	59	59	See F-A-1 Section of the Inspection Plan
F-A	F1.40	100	299	299	100	58	189	52	See F-A-1 Section of the Inspection Plan



CAROLINA POWER & LIGHT COMPANY
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Inservice Inspection Plan

ASME Category	ASME Item Number	Code Requirement		Number Scheduled	% Scheduled	Total Scheduled for Inspection Period			Comments
		% Required	No. Required			Per 1	Per 2	Per 3	
F-A	FI.50	0	0	0	0	0	0	0	No components under this Item Number
F-A	FI.60	0	0	0	0	0	0	0	No components under this Item Number
F-A	FI.70	0	0	0	0	0	0	0	No components under this Item Number
FSAR	6.6.8B	100	61	61	100	8	21	32	See Section 4 of the Inspection Plan
FSAR	6.6.8C	100	190	190	100	41	67	82	See Section 4 of the Inspection plan
FSAR	6.6.8D	100	102	102	100	85	10	7	See Section 4 of the Inspection Plan
FSAR	6.6.8E	100	100	93	100 *	30	35	28	See Section 4 of the Inspection Plan * (7) components were not scheduled due to Inaccessability
FSAR	6.6.8F	100	3	3	100	1	2	0	See Section 4 of the Inspection Plan
SER	250.1	25	287	287	25	57	148	82	See Section 4 of the Inspection Plan
RGI.14	N/A	100	12	12	100	3	3	6	See Section 4 of the Inspection Plan
Augmented	N/A	100	6	6	100	2	2	2	Successive Exams

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-A
ITEM NO. B1.11

PRESSURE RETAINING WELDS IN REACTOR VESSEL
RV CIRCUMFERENTIAL SHELL WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001CSW-RV-02	VCSW /	RC	1	2-3-13	UT-RVS		
II-RV-001CSW-RV-03	VCSW /	RC	1	2-3-13	UT-RVS		
II-RV-001STHW-RV-04	VSTHW /	RC	1	2-3-13	UT-RVS	2R1-011	



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-A	PRESSURE RETAINING WELDS IN REACTOR VESSEL					
ITEM NO.	B1.12	RV LONGITUDINAL SHELL WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001LSW-RV-05	VLSW /	RC	1	2-3-13	UT-RVS		
II-RV-001LSW-RV-06	VLSW /	RC	1	2-3-13	UT-RVS		
II-RV-001LSW-RV-07	VLSW /	RC	1	2-3-13	UT-RVS		
II-RV-001LSW-RV-08	VLSW /	RC	1	2-3-13	UT-RVS		
II-RV-001LSW-RV-09	VLSW /	RC	1	2-3-13	UT-RVS		
II-RV-001LSW-RV-10	VLSW /	RC	1	2-3-13	UT-RVS		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-A
ITEM NO. B1.21B

PRESSURE RETAINING WELDS IN REACTOR VESSEL
RV CIRCUMFERENTIAL BOTTOM HEAD WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001CHW-RV-17	VCHW /	RC	1	2-3-13	UT-RVS	2R1-011	

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-A
ITEM NO. B1.22B

PRESSURE RETAINING WELDS IN REACTOR VESSEL
RV MERIDIONAL BOTTOM HEAD WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001MHW-RV-11	VMHW /	RC	1	2-3-13	UT-RVS		
II-RV-001MHW-RV-12	VMHW /	RC	1	2-3-13	UT-RVS		
II-RV-001MHW-RV-13	VMHW /	RC	1	2-3-13	UT-RVS		
II-RV-001MHW-RV-14	VMHW /	RC	1	2-3-13	UT-RVS		
II-RV-001MHW-RV-15	VMHW /	RC	1	2-3-13	UT-RVS		
II-RV-001MHW-RV-16	VMHW /	RC	1	2-3-13	UT-RVS	2R1-011	

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-A	PRESSURE RETAINING WELDS IN REACTOR VESSEL					
ITEM NO.	B1.30F	RV SHELL-TO-FLANGE WELD PARTIAL EXAM FROM FLANGE FACE					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001FTSW-RV-01FA	VFTSW /	RC	1	2-1-09	UT-00		
II-RV-001FTSW-RV-01FA	VFTSW /	RC	1	2-1-09	UT-08L		
II-RV-001FTSW-RV-01FA	VFTSW /	RC	1	2-1-09	UT-19L		
II-RV-001FTSW-RV-01FA	VFTSW /	RC	1	2-3-13	UT-RVS	2R1-011	
II-RV-001FTSW-RV-01FB	VFTSW /	RC	1	2-1-09	UT-00		
II-RV-001FTSW-RV-01FB	VFTSW /	RC	1	2-1-09	UT-08L		
II-RV-001FTSW-RV-01FB	VFTSW /	RC	1	2-1-09	UT-19L		
II-RV-001FTSW-RV-01FB	VFTSW /	RC	1	2-3-13	UT-RVS	2R1-011	
II-RV-001FTSW-RV-01FC	VFTSW /	RC	1	2-1-09	UT-00		
II-RV-001FTSW-RV-01FC	VFTSW /	RC	1	2-1-09	UT-08L		
II-RV-001FTSW-RV-01FC	VFTSW /	RC	1	2-1-09	UT-19L		
II-RV-001FTSW-RV-01FC	VFTSW /	RC	1	2-3-13	UT-RVS	2R1-011	

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-A PRESSURE RETAINING WELDS IN REACTOR VESSEL
ITEM NO. B1.30V RV SHELL-TO-FLANGE WELD EXAM CONDUCTED FROM VESSEL WALL

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001FTSW-RV-01	/			2-3-13	UT-RVS	2R1-011	

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-A	PRESSURE RETAINING WELDS IN REACTOR VESSEL					
ITEM NO.	B1.40	RV HEAD-TO-FLANGE WELD					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001FTHW-RV-18FA,B,C	VFTHW /	RC	1	2-1-08	MT		Combination of old exam numbers II-RV-001FTHW-RV-18FA, -18FB, and -18FC.
II-RV-001FTHW-RV-18FA,B,C	VFTHW /	RC	1	2-1-08	UT-00	2R1-004	Combination of old exam numbers II-RV-001FTHW-RV-18FA, -18FB, and -18FC.
II-RV-001FTHW-RV-18FA,B,C	VFTHW /	RC	1	2-1-08	UT-45S	2R1-004	Combination of old exam numbers II-RV-001FTHW-RV-18FA, -18FB, and -18FC.
II-RV-001FTHW-RV-18FA,B,C	VFTHW /	RC	1	2-1-08	UT-60S	2R1-004	Combination of old exam numbers II-RV-001FTHW-RV-18FA, -18FB, and -18FC.
II-RV-001FTHW-RV-18FA,B,C	VFTHW /	RC	1	2-1-08	UT-70S	2R1-004	Combination of old exam numbers II-RV-001FTHW-RV-18FA, -18FB, and -18FC.

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-A PRESSURE RETAINING WELDS IN REACTOR VESSEL
ITEM NO. B1.51 RV BELTLINE REGION REPAIR WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-B	PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR VESSEL					
ITEM NO.	B2.11	PRZ CIRCUMFERENTIAL SHELL-TO-HEAD WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-PZR-01STHW-01A,B,C	VSTHW /	RC	1	2-2-10	UT-00	2R1-004	Combination of II-PZR-01STHW-01A, -01B, and -01C from Interval 1.
II-PZR-01STHW-01A,B,C	VSTHW /	RC	1	2-2-10	UT-45S	2R1-004	Combination of II-PZR-01STHW-01A, -01B, and -01C from Interval 1.
II-PZR-01STHW-01A,B,C	VSTHW /	RC	1	2-2-10	UT-60S	2R1-004	Combination of II-PZR-01STHW-01A, -01B, and -01C from Interval 1.
II-PZR-01STHW-01A,B,C	VSTHW /	RC	1	2-2-10	UT-70S	2R1-004	Combination of II-PZR-01STHW-01A, -01B, and -01C from Interval 1.
II-PZR-01STHW-04A,B,C	VSTHW /	RC	1	2-1-08	UT-00		Combination of II-PZR-01STHW-04A, -04B, and -04C from Interval 1.
II-PZR-01STHW-04A,B,C	VSTHW /	RC	1	2-1-08	UT-45S		Combination of II-PZR-01STHW-04A, -04B, and -04C from Interval 1.
II-PZR-01STHW-04A,B,C	VSTHW /	RC	1	2-1-08	UT-60S		Combination of II-PZR-01STHW-04A, -04B, and -04C from Interval 1.
II-PZR-01STHW-04A,B,C	VSTHW /	RC	1	2-1-08	UT-70S		Combination of II-PZR-01STHW-04A, -04B, and -04C from Interval 1.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-B	PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR VESSEL					
ITEM NO.	B2.12	PRZ LONGITUDINAL SHELL-TO-HEAD WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-PZR-01LSW-05	VLSW /	RC	1	2-2-10	UT-00		
II-PZR-01LSW-05	VLSW /	RC	1	2-2-10	UT-45S		
II-PZR-01LSW-05	VLSW /	RC	1	2-2-10	UT-60S		
II-PZR-01LSW-05	VLSW /	RC	1	2-2-10	UT-70S		
II-PZR-01LSW-07	VLSW /	RC	1	2-1-08	UT-00		
II-PZR-01LSW-07	VLSW /	RC	1	2-1-08	UT-45S		
II-PZR-01LSW-07	VLSW /	RC	1	2-1-08	UT-60S		
II-PZR-01LSW-07	VLSW /	RC	1	2-1-08	UT-70S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-B PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR VESSEL
ITEM NO. B2.21 PRZ CIRCUMFERENTIAL HEAD WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-B PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR VESSEL
ITEM NO. B2.22 PRZ MERIDIONAL HEAD WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-B PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR VESSEL
ITEM NO. B2.31 SG PRIMARY SIDE CIRCUMFERENTIAL HEAD WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-B PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR VESSEL
ITEM NO. B2.32 SG PRIMARY SIDE MERIDIONAL HEAD WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-B	PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR VESSEL					
ITEM NO.	B2.40	SG PRIMARY SIDE TUBESHEET-TO-HEAD WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGA-TSTHW-06	VTSTH /	RC	1	2-3-12	UT-00		
II-SG-001SGA-TSTHW-06	VTSTH /	RC	1	2-3-12	UT-45S		
II-SG-001SGA-TSTHW-06	VTSTH /	RC	1	2-3-12	UT-60S		
II-SG-001SGA-TSTHW-06	VTSTH /	RC	1	2-3-12	UT-70S		
II-SG-001SGB-TSTHW-06	VTSTH /	RC	1	2-3-12	UT-00		
II-SG-001SGB-TSTHW-06	VTSTH /	RC	1	2-3-12	UT-45S		
II-SG-001SGB-TSTHW-06	VTSTH /	RC	1	2-3-12	UT-60S		
II-SG-001SGB-TSTHW-06	VTSTH /	RC	1	2-3-12	UT-70S		
II-SG-001SGC-TSTHW-06	VTSTH /	RC	1	2-3-12	UT-00		
II-SG-001SGC-TSTHW-06	VTSTH /	RC	1	2-3-12	UT-45S		
II-SG-001SGC-TSTHW-06	VTSTH /	RC	1	2-3-12	UT-60S		
II-SG-001SGC-TSTHW-06	VTSTH /	RC	1	2-3-12	UT-70S		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-B PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR VESSEL
ITEM NO. B2.51 HX PRIMARY SIDE CIRCUMFERENTIAL HEAD WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-B PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR VESSEL
ITEM NO. B2.52 HX PRIMARY MERIDIONAL HEAD WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-B PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR VESSEL
ITEM NO. B2.60 HX PRIMARY SIDE TUBESHEET-TO-HEAD SHELL WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-B PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR VESSEL
ITEM NO. B2.70 HX PRIMARY SIDE LONGITUDINAL SHELL WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-B PRESSURE RETAINING WELDS IN VESSELS OTHER THAN THE REACTOR VESSEL
ITEM NO. B2.80 HX PRIMARY SIDE TUBESHEET-TO-SHELL WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-D FULL PENETRATION WELDS OF NOZZLES IN VESSELS - PROGRAM B
ITEM NO. B3. 9B RV NOZZLE-TO-VESSEL WELDS, EXAM FROM NOZZLE BORE

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001RVNOZAI-N-01	VNOZ /	RC	1	2-3-13	UT-RVN		
II-RV-001RVNOZAO-N-06	VNOZ /	RC	1	2-3-13	UT-RVN		
II-RV-001RVNOZBI-N-03	VNOZ /	RC	1	2-3-13	UT-RVN		
II-RV-001RVNOZBO-N-02	VNOZ /	RC	1	2-3-13	UT-RVN		
II-RV-001RVNOZCI-N-05	VNOZ /	RC	1	2-3-13	UT-RVN		
II-RV-001RVNOZCO-N-04	VNOZ /	RC	1	2-3-13	UT-RVN		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-D
ITEM NO. B3. 9S

FULL PENETRATION WELDS OF NOZZLES IN VESSELS - PROGRAM B
RV NOZZLE-TO-VESSEL WELDS, EXAM FROM RV SHELL

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001RVNOZAI-N-01	VNOZ /	RC	1	2-3-13	UT-RVS		
II-RV-001RVNOZAO-N-06	VNOZ /	RC	1	2-3-13	UT-RVS	2R1-011	
II-RV-001RVNOZBI-N-03	VNOZ /	RC	1	2-3-13	UT-RVS		
II-RV-001RVNOZBO-N-02	VNOZ /	RC	1	2-3-13	UT-RVS	2R1-011	
II-RV-001RVNOZCI-N-05	VNOZ /	RC	1	2-3-13	UT-RVS		
II-RV-001RVNOZCO-N-04	VNOZ /	RC	1	2-3-13	UT-RVS	2R1-011	

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-D	FULL PENETRATION WELDS OF NOZZLES IN VESSELS - PROGRAM B					
ITEM NO.	B3.10B	RV NZLE INSIDE RADIUS SECTION, EXAM FROM NZLE BORE					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001RVNOZAI-N-01	VNOZ /	RC	1	2-3-13	UT-RVN		
II-RV-001RVNOZAO-N-06	VNOZ /	RC	1	2-3-13	UT-RVN		
II-RV-001RVNOZBI-N-03	VNOZ /	RC	1	2-3-13	UT-RVN		
II-RV-001RVNOZBO-N-02	VNOZ /	RC	1	2-3-13	UT-RVN		
II-RV-001RVNOZCI-N-05	VNOZ /	RC	1	2-3-13	UT-RVN		
II-RV-001RVNOZCO-N-04	VNOZ /	RC	1	2-3-13	UT-RVN		

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CATEGORY	B-D	FULL PENETRATION WELDS OF NOZZLES IN VESSELS - PROGRAM B					
ITEM NO.	B3.10S	RV NZLE INSIDE RADIUS SECTION, EXAM FROM RV SHELL					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001RVNOZAI-N-01	VNOZ /	RC	1	2-3-13	UT-RVS		
II-RV-001RVNOZAO-N-06	VNOZ /	RC	1	2-3-13	UT-RVS		
II-RV-001RVNOZBI-N-03	VNOZ /	RC	1	2-3-13	UT-RVS		
II-RV-001RVNOZBO-N-02	VNOZ /	RC	1	2-3-13	UT-RVS		
II-RV-001RVNOZCI-N-05	VNOZ /	RC	1	2-3-13	UT-RVS		
II-RV-001RVNOZCO-N-04	VNOZ /	RC	1	2-3-13	UT-RVS		

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CATEGORY B-D
ITEM NO. B3.110

FULL PENETRATION WELDS OF NOZZLES IN VESSELS - PROGRAM B
PRZ NOZZLE-TO-VESSEL WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-PZR-01NTHW-08	VNTVW /	RC	1	2-1-08	UT-00	2R1-006	Pressurizer Surge Nozzle.
II-PZR-01NTHW-08	VNTVW /	RC	1	2-1-08	UT-45S	2R1-006	Pressurizer Surge Nozzle.
II-PZR-01NTHW-08	VNTVW /	RC	1	2-1-08	UT-60S	2R1-006	Pressurizer Surge Nozzle.
II-PZR-01NTHW-08	VNTVW /	RC	1	2-1-08	UT-70S	2R1-006	Pressurizer Surge Nozzle.
II-PZR-01NTHW-09	VNTVWI /	RC	1	2-1-08	UT-00	2R1-006	Pressurizer Spray Nozzle.
II-PZR-01NTHW-09	VNTVWI /	RC	1	2-1-08	UT-45S	2R1-006	Pressurizer Spray Nozzle.
II-PZR-01NTHW-09	VNTVWI /	RC	1	2-1-08	UT-60S	2R1-006	Pressurizer Spray Nozzle.
II-PZR-01NTHW-09	VNTVWI /	RC	1	2-1-08	UT-70S	2R1-006	Pressurizer Spray Nozzle.
II-PZR-01NTHW-10	VNTVW /	RC	1	2-1-08	UT-00	2R1-006	Pressurizer Safety Nozzle.
II-PZR-01NTHW-10	VNTVW /	RC	1	2-1-08	UT-45S	2R1-006	Pressurizer Safety Nozzle.
II-PZR-01NTHW-10	VNTVW /	RC	1	2-1-08	UT-60S	2R1-006	Pressurizer Safety Nozzle.
II-PZR-01NTHW-10	VNTVW /	RC	1	2-1-08	UT-70S	2R1-006	Pressurizer Safety Nozzle.

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CATEGORY B-D
ITEM NO. B3.110

FULL PENETRATION WELDS OF NOZZLES IN VESSELS - PROGRAM B
PRZ NOZZLE-TO-VESSEL WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-PZR-01NTHW-11	VNTVW /	RC	1	2-1-08	UT-00	2R1-006	Pressurizer Safety Nozzle.
II-PZR-01NTHW-11	VNTVW /	RC	1	2-1-08	UT-45S	2R1-006	Pressurizer Safety Nozzle.
II-PZR-01NTHW-11	VNTVW /	RC	1	2-1-08	UT-60S	2R1-006	Pressurizer Safety Nozzle.
II-PZR-01NTHW-11	VNTVW /	RC	1	2-1-08	UT-70S	2R1-006	Pressurizer Safety Nozzle.
II-PZR-01NTHW-12	VNTVW /	RC	1	2-1-08	UT-00	2R1-006	Pressurizer Safety Nozzle.
II-PZR-01NTHW-12	VNTVW /	RC	1	2-1-08	UT-45S	2R1-006	Pressurizer Safety Nozzle.
II-PZR-01NTHW-12	VNTVW /	RC	1	2-1-08	UT-60S	2R1-006	Pressurizer Safety Nozzle.
II-PZR-01NTHW-12	VNTVW /	RC	1	2-1-08	UT-70S	2R1-006	Pressurizer Safety Nozzle.
II-PZR-01NTHW-13	VNTVW /	RC	1	2-1-08	UT-00	2R1-006	Pressurizer Relief Nozzle.
II-PZR-01NTHW-13	VNTVW /	RC	1	2-1-08	UT-45S	2R1-006	Pressurizer Relief Nozzle.
II-PZR-01NTHW-13	VNTVW /	RC	1	2-1-08	UT-60S	2R1-006	Pressurizer Relief Nozzle.
II-PZR-01NTHW-13	VNTVW /	RC	1	2-1-08	UT-70S	2R1-006	Pressurizer Relief Nozzle.

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CATEGORY B-D
ITEM NO. B3.120

FULL PENETRATION WELDS OF NOZZLES IN VESSELS - PROGRAM B
PRZ NOZZLE INSIDE RADIUS SECTION

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-PZR-01NIR-08	VNIR /	RC	1	2-1-08	UT-70S		Pressurizer Surge Nozzle.
II-PZR-01NIR-09	VNIR /	RC	1	2-1-08	UT-70S		Pressurizer Spray Nozzle.
II-PZR-01NIR-10	VNIR /	RC	1	2-1-08	UT-70S		Pressurizer Safety Nozzle.
II-PZR-01NIR-11	VNIR /	RC	1	2-1-08	UT-70S		Pressurizer Safety Nozzle.
II-PZR-01NIR-12	VNIR /	RC	1	2-1-08	UT-70S		Pressurizer Safety Nozzle.
II-PZR-01NIR-13	VNIR /	RC	1	2-1-08	UT-70S		Pressurizer Relief Nozzle.

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Harris Nuclear Power Plant - Unit 1
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CATEGORY	B-D	FULL PENETRATION WELDS OF NOZZLES IN VESSELS - PROGRAM B					
ITEM NO.	B3.130	SG PRIMARY NOZZLE-TO-VESSEL WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGA-CLNTVW-12	VNTVW /	RC	1	2-2-10	UT-00	2R1-006	
II-SG-001SGA-CLNTVW-12	VNTVW /	RC	1	2-2-10	UT-45S	2R1-006	
II-SG-001SGA-CLNTVW-12	VNTVW /	RC	1	2-2-10	UT-60S	2R1-006	
II-SG-001SGA-CLNTVW-12	VNTVW /	RC	1	2-2-10	UT-70S	2R1-006	
II-SG-001SGA-HLNTVW-07	VNTVWI /	RC	1	2-2-10	UT-00	2R1-006	
II-SG-001SGA-HLNTVW-07	VNTVWI /	RC	1	2-2-10	UT-45S	2R1-006	
II-SG-001SGA-HLNTVW-07	VNTVWI /	RC	1	2-2-10	UT-60S	2R1-006	
II-SG-001SGA-HLNTVW-07	VNTVWI /	RC	1	2-2-10	UT-70S	2R1-006	
II-SG-001SGB-CLNTVW-12	VNTVW /	RC	1	2-2-10	UT-00	2R1-006	
II-SG-001SGB-CLNTVW-12	VNTVW /	RC	1	2-2-10	UT-45S	2R1-006	
II-SG-001SGB-CLNTVW-12	VNTVW /	RC	1	2-2-10	UT-60S	2R1-006	
II-SG-001SGB-CLNTVW-12	VNTVW /	RC	1	2-2-10	UT-70S	2R1-006	

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CATEGORY	B-D	FULL PENETRATION WELDS OF NOZZLES IN VESSELS - PROGRAM B					
ITEM NO.	B3.130	SG PRIMARY NOZZLE-TO-VESSEL WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGB-HLNTVW-07	VNTVWI /	RC	1	2-2-10	UT-00	2R1-006	
II-SG-001SGB-HLNTVW-07	VNTVWI /	RC	1	2-2-10	UT-45S	2R1-006	
II-SG-001SGB-HLNTVW-07	VNTVWI /	RC	1	2-2-10	UT-60S	2R1-006	
II-SG-001SGB-HLNTVW-07	VNTVWI /	RC	1	2-2-10	UT-70S	2R1-006	
II-SG-001SGC-CLNTVW-12	VNTVW /	RC	1	2-2-10	UT-00	2R1-006	
II-SG-001SGC-CLNTVW-12	VNTVW /	RC	1	2-2-10	UT-45S	2R1-006	
II-SG-001SGC-CLNTVW-12	VNTVW /	RC	1	2-2-10	UT-60S	2R1-006	
II-SG-001SGC-CLNTVW-12	VNTVW /	RC	1	2-2-10	UT-70S	2R1-006	
II-SG-001SGC-HLNTVW-07	VNTVWI /	RC	1	2-2-10	UT-00	2R1-006	
II-SG-001SGC-HLNTVW-07	VNTVWI /	RC	1	2-2-10	UT-45S	2R1-006	
II-SG-001SGC-HLNTVW-07	VNTVWI /	RC	1	2-2-10	UT-60S	2R1-006	
II-SG-001SGC-HLNTVW-07	VNTVWI /	RC	1	2-2-10	UT-70S	2R1-006	

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CATEGORY B-D FULL PENETRATION WELDS OF NOZZLES IN VESSELS - PROGRAM B
ITEM NO. B3.140 SG PRIMARY NOZZLE INSIDE RADIUS SECTION

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGA-CLNIR-09	VNIR /	RC	1	2-2-10	UT-30S		
II-SG-001SGA-HLNIR-09	VNIR /	RC	1	2-2-10	UT-30S		
II-SG-001SGB-CLNIR-09	VNIR /	RC	1	2-2-10	UT-30S		
II-SG-001SGB-HLNIR-09	VNIR /	RC	1	2-2-10	UT-30S		
II-SG-001SGC-CLNIR-09	VNIR /	RC	1	2-2-10	UT-30S		
II-SG-001SGC-HLNIR-09	VNIR /	RC	1	2-2-10	UT-30S		

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CATEGORY B-D FULL PENETRATION WELDS OF NOZZLES IN VESSELS - PROGRAM B
ITEM NO. B3.150 HX PRIMARY NOZZLE-TO-VESSEL WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

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CATEGORY B-D FULL PENETRATION WELDS OF NOZZLES IN VESSELS - PROGRAM B
ITEM NO. B3.160 HX PRIMARY NOZZLE INSIDE RADIUS SECTION

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

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CATEGORY	B-E	PRESSURE RETAINING PARTIAL PENETRATION WELDS IN VESSELS					
ITEM NO.	B4.11	VESSEL NOZZLES					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001RVHV-66	VCHVP /	RC	1	2-3-13	VT-2		Deferred to end of Interval.
II-SG-001SGA-DTCHW-01	VNTVW /	RC	1	2-3-13	VT-2		Deferred to end of Interval.
II-SG-001SGB-DTCHW-01	VNTVW /	RC	1	2-3-13	VT-2		Deferred to end of Interval.
II-SG-001SGC-DTCHW-01	VNTVW /	RC	1	2-3-13	VT-2		Deferred to end of Interval.

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CATEGORY B-E PRESSURE RETAINING PARTIAL PENETRATION WELDS IN VESSELS
ITEM NO. B4.12 CONTROL ROD DRIVE NOZZLES

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001CRD(42-65)	VCRDT /	RC	1	2-3-13	VT-2		Examination of 25% and deferred to end of Interval per Code.

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CATEGORY B-E PRESSURE RETAINING PARTIAL PENETRATION WELDS IN VESSELS
ITEM NO. B4.13 INSTRUMENTATION NOZZLES

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001INST NOZ(1-13)	VICINO /	RC	1	2-3-13	VT-2		Examination of 25% and deferred to end of Interval per Code.

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CATEGORY B-E
ITEM NO. B4.20

PRESSURE RETAINING PARTIAL PENETRATION WELDS IN VESSELS
PRZ HEATER PENETRATION WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-PZR-01HTRPEN(1-78)	VHTRP /	RC	1	2-3-13	VT-2		All Pressurizer Heater Penetration Welds selected per Code. Deferred to end of Interval.



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CATEGORY	B-F	PRESSURE RETAINING DISSIMILAR METAL WELDS						
ITEM NO.	B5. 1D	RV NOZZLE-TO-SAFE END BUTT WELDS, NPS >= 4 INCHES						
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments	
II-RV-001RVNOZAI-N-01SE	VSE /	RC	1	2-3-13	PT		Same weld as FMR-01RC-10-17-FW-4. Performed along with RV nozzles at end of Interval.	
II-RV-001RVNOZAI-N-01SE	VSE /	RC	1	2-3-13	UT-RVN	2R1-011	Same weld as FMR-01RC-10-17-FW-4. Performed along with RV nozzles at end of Interval.	
II-RV-001RVNOZAO-N-06SE	VSE /	RC	1	2-3-13	PT		Same weld as FMR-01RC-10-17-FW-1. Performed along with RV nozzles at end of Interval.	
II-RV-001RVNOZAO-N-06SE	VSE /	RC	1	2-3-13	UT-RVN		Same weld as FMR-01RC-10-17-FW-1. Performed along with RV nozzles at end of Interval.	
II-RV-001RVNOZBI-N-03SE	VSE /	RC	1	2-3-13	PT		Same weld as FMR-02RC-10-18-FW-4. Performed along with RV nozzles at end of Interval.	
II-RV-001RVNOZBI-N-03SE	VSE /	RC	1	2-3-13	UT-RVN		Same weld as FMR-02RC-10-18-FW-4. Performed along with RV nozzles at end of Interval.	
II-RV-001RVNOZBO-N-02SE	VSE /	RC	1	2-3-13	PT		Same weld as FMR-02RC-10-18-FW-1. Performed along with RV nozzles at end of Interval.	
II-RV-001RVNOZBO-N-02SE	VSE /	RC	1	2-3-13	UT-RVN	2R1-011	Same weld as FMR-02RC-10-18-FW-1. Performed along with RV nozzles at end of Interval.	
II-RV-001RVNOZCI-N-05SE	VSE /	RC	1	2-3-13	PT		Same weld as FMR-03RC-10-19-FW-4. Performed along with RV nozzles at end of Interval.	
II-RV-001RVNOZCI-N-05SE	VSE /	RC	1	2-3-13	UT-RVN		Same weld as FMR-03RC-10-19-FW-4. Performed along with RV nozzles at end of Interval.	
II-RV-001RVNOZCO-N-04SE	VSE /	RC	1	2-3-13	PT		Same weld as FMR-03RC-10-19-FW-1. Performed along with RV nozzles at end of Interval.	
II-RV-001RVNOZCO-N-04SE	VSE /	RC	1	2-3-13	UT-RVN		Same weld as FMR-03RC-10-19-FW-1. Performed along with RV nozzles at end of Interval.	

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CATEGORY B-F PRESSURE RETAINING DISSIMILAR METAL WELDS
ITEM NO. B5. 20 RV NOZZLE-TO-SAFE END BUTT WELDS, NPS < 4 INCHES

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

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CATEGORY B-F PRESSURE RETAINING DISSIMILAR METAL WELDS
ITEM NO. B5.30 RV NOZZLE-TO-SAFE END SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

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CATEGORY	B-F	PRESSURE RETAINING DISSIMILAR METAL WELDS						
ITEM NO.	B5. 40	PRZ NOMINAL PIPE SIZE >= 4 IN. NOZZLE-TO-SAFE END BUTT WELDS						
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments	
II-PZR-01NSEW-15	VSE /	RC	1	2-1-08	PT			
II-PZR-01NSEW-15	VSE /	RC	1	2-1-08	UT-45L	2R1-006		
II-PZR-01NSEW-15	VSE /	RC	1	2-1-08	UT-45S	2R1-006		
II-PZR-01NSEW-16	VSE /	RC	1	2-1-08	PT			
II-PZR-01NSEW-16	VSE /	RC	1	2-1-08	UT-45L	2R1-006		
II-PZR-01NSEW-16	VSE /	RC	1	2-1-08	UT-45S	2R1-006		
II-PZR-01NSEW-17	VSE /	RC	1	2-1-08	PT			
II-PZR-01NSEW-17	VSE /	RC	1	2-1-08	UT-45L	2R1-006		
II-PZR-01NSEW-17	VSE /	RC	1	2-1-08	UT-45S	2R1-006		
II-PZR-01NSEW-18	VSE /	RC	1	2-1-08	PT			
II-PZR-01NSEW-18	VSE /	RC	1	2-1-08	UT-45L	2R1-006		
II-PZR-01NSEW-18	VSE /	RC	1	2-1-08	UT-45S	2R1-006		

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CATEGORY	B-F	PRESSURE RETAINING DISSIMILAR METAL WELDS					
ITEM NO.	B5.40	PRZ NOMINAL PIPE SIZE >= 4 IN. NOZZLE-TO-SAFE END BUTT WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-PZR-01NSEW-19	VSE /	RC	1	2-1-08	PT		
II-PZR-01NSEW-19	VSE /	RC	1	2-1-08	UT-45L	2R1-006	
II-PZR-01NSEW-19	VSE /	RC	1	2-1-08	UT-45S	2R1-006	
II-PZR-01NSEW-20	VSE /	RC	1	2-1-08	PT		
II-PZR-01NSEW-20	VSE /	RC	1	2-1-08	UT-45L	2R1-006	
II-PZR-01NSEW-20	VSE /	RC	1	2-1-08	UT-45S	2R1-006	



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CATEGORY B-F PRESSURE RETAINING DISSIMILAR METAL WELDS
ITEM NO. B5. 50 PRZ NOMINAL PIPE SIZE < 4 IN. NOZZLE-TO-SAFE END BUTT WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

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CATEGORY B-F PRESSURE RETAINING DISSIMILAR METAL WELDS
ITEM NO. B5.60 PRZ NOZZLE-TO-SAFE END SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

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CATEGORY B-F PRESSURE RETAINING DISSIMILAR METAL WELDS
ITEM NO. B5. 80 SG NOMINAL PIPE SIZE < 4 IN. NOZZLE-TO-SAFE END BUTT WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



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CATEGORY B-F PRESSURE RETAINING DISSIMILAR METAL WELDS
ITEM NO. B5.90 SG NOZZLE-TO-SAFE END SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

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CATEGORY B-F PRESSURE RETAINING DISSIMILAR METAL WELDS
ITEM NO. B5.100 HX NOMINAL PIPE SIZE >= 4 IN. NOZZLE-TO-SAFE END BUTT WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



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CATEGORY B-F PRESSURE RETAINING DISSIMILAR METAL WELDS
ITEM NO. B5.110 HX NOMINAL PIPE SIZE < 4 IN. NOZZLE-TO-SAFE END BUTT WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

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CATEGORY B-F PRESSURE RETAINING DISSIMILAR METAL WELDS
ITEM NO. B5.120 HX NOZZLE-TO-SAFE END SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

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CATEGORY B-F PRESSURE RETAINING DISSIMILAR METAL WELDS
ITEM NO. B5.130 NOMINAL PIPE SIZE >= 4 IN. DISSIMILAR METAL PIPING BUTT WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-F PRESSURE RETAINING DISSIMILAR METAL WELDS
ITEM NO. B5.140 NOMINAL PIPE SIZE < 4 IN. DISSIMILAR METAL PIPING BUTT WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-F PRESSURE RETAINING DISSIMILAR METAL WELDS
ITEM NO. B5.150 DISSIMILAR METAL PIPING SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-F
ITEM NO. B5.70

PRESSURE RETAINING DISSIMILAR METAL WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01RC-10-17-FW-2	PE,RED / VSGANI	RC	1	2-2-10	PT		
II-FMR-01RC-10-17-FW-2	PE,RED / VSGANI	RC	1	2-2-10	UT-45L	2R1-003	
II-FMR-01RC-10-17-FW-3	VSGAN / PE,LR	RC	1	2-2-10	PT		
II-FMR-01RC-10-17-FW-3	VSGAN / PE,LR	RC	1	2-2-10	UT-45L	2R1-003	
II-FMR-02RC-10-18-FW-2	PE,RED / VSGBNI	RC	1	2-2-10	PT		
II-FMR-02RC-10-18-FW-2	PE,RED / VSGBNI	RC	1	2-2-10	UT-45L	2R1-003	
II-FMR-02RC-10-18-FW-3	VSGBN / PE,LR	RC	1	2-2-10	PT		
II-FMR-02RC-10-18-FW-3	VSGBN / PE,LR	RC	1	2-2-10	UT-45L	2R1-003	
II-FMR-03RC-10-19-FW-2	PE,RED / VSGCNI	RC	1	2-2-10	PT		
II-FMR-03RC-10-19-FW-2	PE,RED / VSGCNI	RC	1	2-2-10	UT-45L	2R1-003	
II-FMR-03RC-10-19-FW-3	VSGCN / PE,LR	RC	1	2-2-10	PT		
II-FMR-03RC-10-19-FW-3	VSGCN / PE,LR	RC	1	2-2-10	UT-45L	2R1-003	
NONE	/						



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1
ITEM NO. B6.10

PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
RV CLOSURE HEAD NUTS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001RVNUT(1-19)	BNUT /	RC	1	2-1-08	MT		
II-RV-001RVNUT(20-38)	BNUT /	RC	1	2-2-10	MT		Heavy scratch on bottom of #36.
II-RV-001RVNUT(39-58)	BNUT /	RC	1	2-3-13	MT		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1
ITEM NO. B6. 20

PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
RV CLOSURE STUDS, IN PLACE (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001RVSTUD(22)	BSTUD /	RC	1	2-2-10	UT		Stud is stuck in Reactor Vessel. Examine in place.
II-RV-001RVSTUD(23)	BSTUD /	RC	1	2-2-10	UT		Stud is stuck in Reactor Vessel. Examine in place.
II-RV-001RVSTUD(40)	BSTUD /	RC	1	2-3-13	UT		Stud is stuck in Reactor Vessel. Examine in place.



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1
ITEM NO. B6.30

PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
RV CLOSURE STUDS, WHEN REMOVED (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001RVSTUD(1-19)	BSTUD /	RC	1	2-1-08	MT		
II-RV-001RVSTUD(1-19)	BSTUD /	RC	1	2-1-08	UT		
II-RV-001RVSTUD(20-21and 24-38)	BSTUD /	RC	1	2-2-10	MT		
II-RV-001RVSTUD(20-21and 24-38)	BSTUD /	RC	1	2-2-10	UT		
II-RV-001RVSTUD(22)	BSTUD /	RC	1	2-2-10	MT		Stud is stuck in Reactor Vessel. Examine in place.
II-RV-001RVSTUD(22)	BSTUD /	RC	1	2-2-10	UT		Stud is stuck in Reactor Vessel. Examine in place.
II-RV-001RVSTUD(39 and 41-58)	BSTUD /	RC	1	2-3-13	MT		
II-RV-001RVSTUD(39 and 41-58)	BSTUD /	RC	1	2-3-13	UT		
II-RV-001RVSTUD(40)	BSTUD /	RC	1	2-3-13	MT		Stud is stuck in Reactor Vessel. Examine in place.
II-RV-001RVSTUD(40)	BSTUD /	RC	1	2-3-13	UT		Stud is stuck in Reactor Vessel. Examine in place.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 **PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER**
ITEM NO. B6. 40 **RV THREADS IN FLANGE (> 2")**

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001RVFT(1-19)	BFT /	RC	1	2-1-08	UT-00		
II-RV-001RVFT(20-38)	BFT /	RC	1	2-2-10	UT-00		
II-RV-001RVFT(39-58)	BFT /	RC	1	2-3-13	UT-00		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1
ITEM NO. B6. 50

PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
RV CLOSURE WASHERS, BUSHING (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001RVWSH(1-19)	BWASH /	RC	1	2-1-08	VT-1		
II-RV-001RVWSH(20-38)	BWASH /	RC	1	2-2-10	VT-1		
II-RV-001RVWSH(39-58)	BWASH /	RC	1	2-3-13	VT-1		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1
ITEM NO. B6.60

PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
PRZ BOLTS AND STUDS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. B6.70 PRZ FLANGE SURFACE WHEN CONNECTION DISASSEMBLED (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. B6. 80 PRZ NUTS, BUSHINGS, AND WASHERS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. B6.90 SG BOLTS AND STUDS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. B6.100 SG FLANGE SURFACE WHEN CONNECTION DISASSEMBLED (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. B6.110 SG NUTS, BUSHINGS, AND WASHERS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. B6.120 HX BOLTS AND STUDS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1
ITEM NO. B6.130

PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
HX FLANGE SURFACE WHEN CONNECTION DISASSEMBLED (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. B6.140 HX NUTS, BUSHINGS, AND WASHERS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. B6.150 PIPING BOLTS AND STUDS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1
ITEM NO. B6.160

PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
PIPING FLANGE SURFACE WHEN CONNECTION DISASSEMBLED (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
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CATEGORY B-G-1 PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. B6.170 PIPING NUTS, BUSHINGS, AND WASHERS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 **PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER**
ITEM NO. B6.180 **PUMP BOLTS AND STUDS (> 2")**

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RCP-01RCPA-FBOLT(1-24)	BPHB /	RC	1	2-3-13	UT-OUT		
II-RCP-01RCPB-FBOLT(1-24)	BPHB /	RC	1	Any	UT-OUT		
II-RCP-01RCPC-FBOLT(1-24)	BPHB /	RC	1	Any	UT-OUT		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1
ITEM NO. B6.190

PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
PUMP FLANGE SURFACE WHEN CONNECTION DISASSEMBLED(> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RCP-01RCPA-FTHR(1-24)	BFT /	RC	1	Any	VT-1		Examine only when flange connection is disassembled for maintenance.
II-RCP-01RCPB-FTHR(1-24)	BFT /	RC	1	Any	VT-1		Examine only when flange connection is disassembled for maintenance.
II-RCP-01RCPC-FTHR(1-24)	BFT /	RC	1	Any	VT-1		Examine only when flange connection is disassembled for maintenance.

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. B6.200 PUMP NUTS, BUSHINGS, AND WASHERS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. B6.210 VALVE BOLTS AND STUDS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1
ITEM NO. B6.220

PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
VALVE FLANGE SURFACE WHEN CONNECTION DISASSEMBLED (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-1 PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. B6.230 VALVE NUTS, BUSHINGS, AND WASHERS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-2 **PRESSURE RETAINING BOLTS, TWO INCHES AND LESS IN DIAMETER**
ITEM NO. B7.10 **REACTOR VESSEL BOLTS, STUDS, AND NUTS (<= 2")**

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001BCONO-A(1-3)	BCONO /	RC	1	2-1-08	VT-1		Conoseal Bolting.
II-RV-001BCONO-B(1-3)	BCONO /	RC	1	2-2-10	VT-1		Conoseal Bolting.
II-RV-001BCONO-C(1-3)	BCONO /	RC	1	2-3-13	VT-1		Conoseal Bolting.
II-RV-001BCONO-D(1-3)	BCONO /	RC	1	2-3-13	VT-1		Conoseal Bolting.



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-2 PRESSURE RETAINING BOLTS, TWO INCHES AND LESS IN DIAMETER
ITEM NO. B7.20 PRESSURIZER BOLTS, STUDS, AND NUTS (<= 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-PZR-01MN(1-16)	BNUT /	RC	1	2-2-10	VT-1		
II-PZR-01MS(1-16)	BBOLT /	RC	1	2-2-10	VT-1		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-2 PRESSURE RETAINING BOLTS, TWO INCHES AND LESS IN DIAMETER
ITEM NO. B7.30 STEAM GENERATOR BOLTS, STUDS, AND NUTS (<= 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGA-CLMN(1-16)	BNUT /	RC	1	2-1-08	VT-1		
II-SG-001SGA-CLMS(1-16)	BBOLT /	RC	1	2-1-08	VT-1		
II-SG-001SGA-HLMN(1-16)	BNUT /	RC	1	2-1-08	VT-1		
II-SG-001SGA-HLMS(1-16)	BBOLT /	RC	1	2-1-08	VT-1		Tool marks.
II-SG-001SGB-CLMN(1-16)	BNUT /	RC	1	2-2-10	VT-1		
II-SG-001SGB-CLMS(1-16)	BBOLT /	RC	1	2-2-10	VT-1		
II-SG-001SGB-HLMN(1-16)	BNUT /	RC	1	2-2-10	VT-1		
II-SG-001SGB-HLMS(1-16)	BBOLT /	RC	1	2-2-10	VT-1		
II-SG-001SGC-CLMN(1-16)	BNUT /	RC	1	2-3-13	VT-1		Nut #10: Gouged thread - Acceptable.
II-SG-001SGC-CLMS(1-16)	BBOLT /	RC	1	2-3-13	VT-1		
II-SG-001SGC-HLMN(1-16)	BNUT /	RC	1	2-3-13	VT-1		
II-SG-001SGC-HLMS(1-16)	BBOLT /	RC	1	2-3-13	VT-1		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-2 PRESSURE RETAINING BOLTS, TWO INCHES AND LESS IN DIAMETER
ITEM NO. B7.40 HEAT EXCHANGER BOLTS, STUDS, AND NUTS (<= 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-2 PRESSURE RETAINING BOLTS, TWO INCHES AND LESS IN DIAMETER
ITEM NO. B7.50 SUCCESSIVE EXAMINATION - PIPING BOLTS, STUDS, AND NUTS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-027RC-113-F-01(1-12)	BFSC /	RC	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-RC-027RC-113-F-01(1-12)	BFSC /	RC	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-RC-027RC-114-F-01(1-12)	BFSC /	RC	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-RC-027RC-114-F-01(1-12)	BFSC /	RC	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-RC-027RC-115-F-01(1-12)	BFSC /	RC	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-RC-027RC-115-F-01(1-12)	BFSC /	RC	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.

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CATEGORY	B-G-2	PRESSURE RETAINING BOLTS, TWO INCHES AND LESS IN DIAMETER					
ITEM NO.	B7.60	PUMP BOLTS, STUDS, AND NUTS (<= 2")					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RCP-01RCPA-CSBOLT(1-8)	BPSB /	RC	1	Any	VT-1		Bolting exams required only on pumps selected per B-L-2.
II-RCP-01RCPA-SBOLT(1-12)	BPSB /	RC	1	Any	VT-1		Bolting exams required only on pumps selected per B-L-2.
II-RCP-01RCPB-CSBOLT(1-8)	BPSB /	RC	1	Any	VT-1		Bolting exams required only on pumps selected per B-L-2.
II-RCP-01RCPB-SBOLT(1-12)	BPSB /	RC	1	Any	VT-1		Bolting exams required only on pumps selected per B-L-2.
II-RCP-01RCPC-CSBOLT(1-8)	BPSB /	RC	1	Any	VT-1		Bolting exams required only on pumps selected per B-L-2.
II-RCP-01RCPC-SBOLT(1-12)	BPSB /	RC	1	Any	VT-1		Bolting exams required only on pumps selected per B-L-2.



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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval**

CATEGORY B-G-2 PRESSURE RETAINING BOLTS, TWO INCHES AND LESS IN DIAMETER
ITEM NO. B7.70 VALVE BOLTS, STUDS, AND NUTS (<= 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-027RC-123 VBB(1-8)	BVBB /	RC	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-RC-027RC-125 VBB(1-8)	BVBB /	RC	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-RC-027RC-127 VBB(1-8)	BVBB /	RC	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-RH-009RH-39 VBB(1-18)	BVBB /	RH	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-RH-009RH-40 VBB(1-18)	BVBB /	RH	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-RH-010RH-1 VBB(1-18)	BVBB /	RH	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-RH-010RH-2 VBB(1-18)	BVBB /	RH	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-017SI-138 VBB(1-16)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-021SI-249 VBB(1-18)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-021SI-250 VBB(1-18)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-022SI-251 VBB(1-18)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-022SI-252 VBB(1-18)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-023SI-253 VBB(1-18)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-2 PRESSURE RETAINING BOLTS, TWO INCHES AND LESS IN DIAMETER
ITEM NO. B7.70 VALVE BOLTS, STUDS, AND NUTS (<= 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-023SI-254 VBB(1-18)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-024SI-356 VBB(1-16)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-024SI-81 VBB(1-16)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-025SI-357 VBB(1-16)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-025SI-82 VBB(1-16)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-026SI-358 VBB(1-16)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-026SI-83 VBB(1-16)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-027SI-135 VBB(1-16)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-027SI-137 VBB(1-16)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-028SI-134 VBB(1-16)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.
II-SI-028SI-136 VBB(1-16)	BVBB /	SI	1	Any	VT-1		Bolting exams required only on valves selected per B-M-2.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-G-2 PRESSURE RETAINING BOLTS, TWO INCHES AND LESS IN DIAMETER
ITEM NO. B7.80 CRD HOUSING BOLTS, STUDS, AND NUTS (<= 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-H INTEGRAL ATTACHMENTS FOR VESSELS
ITEM NO. B8.10 RV INTEGRALLY WELDED ATTACHMENTS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-H	INTEGRAL ATTACHMENTS FOR VESSELS					
ITEM NO.	B8.20	PRZ INTEGRALLY WELDED ATTACHMENTS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-PZR-01I,LUG-A5	VI,LUG /	RC	1	2-1-08	MT		Seismic lug at midsection.
II-PZR-01I,LUG-A6	VI,LUG /	RC	1	2-1-08	MT		Seismic lug at midsection.
II-PZR-01I,LUG-A7	VI,LUG /	RC	1	2-1-08	MT		Seismic lug at midsection.
II-PZR-01I,LUG-A8	VI,LUG /	RC	1	2-1-08	MT		Seismic lug at midsection.
II-PZR-01I,PSC-21A, B, C	VI,PSC /	RC	1	2-2-10	MT		Support Skirt Weld (360 degrees). Examine ID and OD. Combination of PSC-21A, -21B, and -21C from Interval 1.
II-PZR-01SBW-A1A	VI,PSB /	RC	1	2-2-10	MT	2R1-008	Support Bracket near top.
II-PZR-01SBW-A1A	VI,PSB /	RC	1	2-2-10	VT-1	2R1-008	Supplemental VT to satisfy Relief Request.
II-PZR-01SBW-A1B	VI,PSB /	RC	1	2-2-10	MT	2R1-008	Support Bracket near top.
II-PZR-01SBW-A1B	VI,PSB /	RC	1	2-2-10	VT-1	2R1-008	Supplemental VT to satisfy Relief Request.
II-PZR-01SBW-A2A	VI,PSB /	RC	1	2-3-12	MT	2R1-008	Support Bracket near top.
II-PZR-01SBW-A2A	VI,PSB /	RC	1	2-3-12	VT-1	2R1-008	Supplemental VT to satisfy Relief Request.
II-PZR-01SBW-A2B	VI,PSB /	RC	1	2-3-12	MT	2R1-008	Support Bracket near top.
II-PZR-01SBW-A2B	VI,PSB /	RC	1	2-3-12	VT-1	2R1-008	Supplemental VT to satisfy Relief Request.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-H	INTEGRAL ATTACHMENTS FOR VESSELS					
ITEM NO.	B8.20	PRZ INTEGRALLY WELDED ATTACHMENTS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-PZR-01SBW-A3A	VI,PSB /	RC	1	2-3-12	MT	2R1-008	Support Bracket near top.
II-PZR-01SBW-A3A	VI,PSB /	RC	1	2-3-12	VT-1	2R1-008	Supplemental VT to satisfy Relief Request.
II-PZR-01SBW-A3B	VI,PSB /	RC	1	2-3-12	MT	2R1-008	Support Bracket near top.
II-PZR-01SBW-A3B	VI,PSB /	RC	1	2-3-12	VT-1	2R1-008	Supplemental VT to satisfy Relief Request.
II-PZR-01SBW-A4A	VI,PSB /	RC	1	2-3-12	MT	2R1-008	Support Bracket near top.
II-PZR-01SBW-A4A	VI,PSB /	RC	1	2-3-12	VT-1	2R1-008	Supplemental VT to satisfy Relief Request.
II-PZR-01SBW-A4B	VI,PSB /	RC	1	2-3-12	MT	2R1-008	Support Bracket near top.
II-PZR-01SBW-A4B	VI,PSB /	RC	1	2-3-12	VT-1	2R1-008	Supplemental VT to satisfy Relief Request.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-H
ITEM NO. B8.30

INTEGRAL ATTACHMENTS FOR VESSELS
SG INTEGRALLY WELDED ATTACHMENTS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-H INTEGRAL ATTACHMENTS FOR VESSELS
ITEM NO. B8.40 HX INTEGRALLY WELDED ATTACHMENTS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01RC-10-17-FW-5	TRCPA / PC,PIP	RC	1		PT		
II-FMR-01RC-10-17-FW-5	TRCPA / PC,PIP	RC	1		UT-45L		
II-FMR-01RC-10-17-FW-6	PE,LR / PC,PIP	RC	1		PT		
II-FMR-01RC-10-17-FW-6	PE,LR / PC,PIP	RC	1		UT-45L		
II-FMR-01RC-10-17-FW-7	PE,LR / PC,PIP	RC	1		PT		
II-FMR-01RC-10-17-FW-7	PE,LR / PC,PIP	RC	1		UT-45L		
II-FMR-01RC-10-17-FW-8	PE,LR / TRCPA	RC	1		PT		
II-FMR-01RC-10-17-FW-8	PE,LR / TRCPA	RC	1		UT-45L		
II-FMR-01RC-10-17-SW-L1	PC,PIP / PE,RED	RC	1		PT		
II-FMR-01RC-10-17-SW-L1	PC,PIP / PE,RED	RC	1		UT-45L		
II-FMR-01RC-10-17-SW-N5	PC,PIP / PE,LR	RC	1		PT		
II-FMR-01RC-10-17-SW-N5	PC,PIP / PE,LR	RC	1		UT-45L		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01RC-10-17-SW-06	PC,PIP / PE,LR	RC	1		PT		
II-FMR-01RC-10-17-SW-06	PC,PIP / PE,LR	RC	1		UT-45L		
II-FMR-01RC-10-17-SW-P1	PC,PIP / PE,LR	RC	1		PT		
II-FMR-01RC-10-17-SW-P1	PC,PIP / PE,LR	RC	1		UT-45L		
II-FMR-02RC-10-18-FW-5	TRCPB / PC,PIP	RC	1		PT		
II-FMR-02RC-10-18-FW-5	TRCPB / PC,PIP	RC	1		UT-45L		
II-FMR-02RC-10-18-FW-6	PE,LR / PC,PIP	RC	1		PT		
II-FMR-02RC-10-18-FW-6	PE,LR / PC,PIP	RC	1		UT-45L		
II-FMR-02RC-10-18-FW-7	PE,LR / PC,PIP	RC	1		PT		
II-FMR-02RC-10-18-FW-7	PE,LR / PC,PIP	RC	1		UT-45L		
II-FMR-02RC-10-18-FW-7	PE,LR / PC,PIP	RC	1	2-1-08	PT		Continuation of successive exams from 1st Interval.
II-FMR-02RC-10-18-FW-7	PE,LR / PC,PIP	RC	1	2-1-08	UT-45L		Cal Blocks UT0061, UT006, and UT-8-1 also used. Continuation of successive exams from 1st Interval.



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-02RC-10-18-FW-8	PE,LR / TRCPB	RC	1		PT		
II-FMR-02RC-10-18-FW-8	PE,LR / TRCPB	RC	1		UT-45L		
II-FMR-02RC-10-18-SW-H6	PC,PIP / PE,LR	RC	1		PT		
II-FMR-02RC-10-18-SW-H6	PC,PIP / PE,LR	RC	1		UT-45L		
II-FMR-02RC-10-18-SW-I5	PC,PIP / PE,LR	RC	1		PT		
II-FMR-02RC-10-18-SW-I5	PC,PIP / PE,LR	RC	1		UT-45L		
II-FMR-02RC-10-18-SW-K1	PC,PIP / PE,RED	RC	1		PT		
II-FMR-02RC-10-18-SW-K1	PC,PIP / PE,RED	RC	1		UT-45L		
II-FMR-02RC-10-18-SW-L1	PC,PIP / PE,LR	RC	1		PT		
II-FMR-02RC-10-18-SW-L1	PC,PIP / PE,LR	RC	1		UT-45L		
II-FMR-03RC-10-19-FW-5	TRCPC / PC,PIP	RC	1		PT		
II-FMR-03RC-10-19-FW-5	TRCPC / PC,PIP	RC	1		UT-45L		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03RC-10-19-FW-6	PE,LR / PC,PIP	RC	1		PT		
II-FMR-03RC-10-19-FW-6	PE,LR / PC,PIP	RC	1		UT-45L		
II-FMR-03RC-10-19-FW-7	PE,LR / PC,PIP	RC	1		PT		
II-FMR-03RC-10-19-FW-7	PE,LR / PC,PIP	RC	1		UT-45L		
II-FMR-03RC-10-19-FW-8	PE,LR / TRCPC	RC	1		PT		
II-FMR-03RC-10-19-FW-8	PE,LR / TRCPC	RC	1		UT-45L		
II-FMR-03RC-10-19-SW-N1	PC,PIP / PC,PIP	RC	1		PT		
II-FMR-03RC-10-19-SW-N1	PC,PIP / PC,PIP	RC	1		UT-45L		
II-FMR-03RC-10-19-SW-O1	PC,PIP / PE,LR	RC	1		PT		
II-FMR-03RC-10-19-SW-O1	PC,PIP / PE,LR	RC	1		UT-45L		
II-FMR-03RC-10-19-SW-P6	PC,PIP / PE,LR	RC	1		PT		
II-FMR-03RC-10-19-SW-P6	PC,PIP / PE,LR	RC	1		UT-45L		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03RC-10-19-SW-Q5	PC,PIP / PE,LR	RC	1		PT		
II-FMR-03RC-10-19-SW-Q5	PC,PIP / PE,LR	RC	1		UT-45L		
II-RC-009RC-FW-1	PC,NOZ / PC,PB	RC	1	2-1-08	PT		
II-RC-009RC-FW-1	PC,NOZ / PC,PB	RC	1	2-1-08	UT-45S	2R1-003	
II-RC-009RC-FW-2	PC,PB / PC,PB	RC	1		PT		
II-RC-009RC-FW-2	PC,PB / PC,PB	RC	1		UT-45S		
II-RC-009RC-FW-3	PC,PB / PC,SEE	RC	1	2-1-08	PT		
II-RC-009RC-FW-3	PC,PB / PC,SEE	RC	1	2-1-08	UT-50S		INSULATION TABS ADDED SINCE PSI
II-RC-009RC-SW-A12	PC,PB / PC,PB	RC	1		PT		
II-RC-009RC-SW-A12	PC,PB / PC,PB	RC	1		UT-45S		
II-RC-009RC-SW-B13	PC,PB / PC,PB	RC	1		PT		
II-RC-009RC-SW-B13	PC,PB / PC,PB	RC	1		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-022RC-149-1-SW-1	PC,PIP / PE,LR	RC	1		PT		
II-RC-022RC-149-1-SW-1	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-022RC-149-1-SW-2	PC,PB / PE,LR	RC	1	2-3-12	PT		
II-RC-022RC-149-1-SW-2	PC,PB / PE,LR	RC	1	2-3-12	UT-45S		
II-RC-022RC-149-1-SW-3	PC,PIP / PE,LR	RC	1		PT		
II-RC-022RC-149-1-SW-3	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-022RC-149-3-SW-2	PBCC,T / PC,PIP	RC	1		PT		
II-RC-022RC-149-3-SW-2	PBCC,T / PC,PIP	RC	1		UT-45S		
II-RC-022RC-149-3-SW-4	PC,PIP / PBCC,T	RC	1		PT		
II-RC-022RC-149-3-SW-4	PC,PIP / PBCC,T	RC	1		UT-45S		
II-RC-022RC-149-3-SW-5	PBCC,T / PC,PIP	RC	1		PT		
II-RC-022RC-149-3-SW-5	PBCC,T / PC,PIP	RC	1		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-022RC-149-3-SW-7	PC,PIP / PBCC,T	RC	1		PT		
II-RC-022RC-149-3-SW-7	PC,PIP / PBCC,T	RC	1		UT-45S		
II-RC-022RC-FW-456	PC,SEE / PC,PB	RC	1	2-3-12	PT		
II-RC-022RC-FW-456	PC,SEE / PC,PB	RC	1	2-3-12	UT-45S		
II-RC-022RC-FW-457	PE,LR / PC,PIP	RC	1		PT		
II-RC-022RC-FW-457	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-022RC-FW-458	PC,PIP / PE,LR	RC	1		PT		
II-RC-022RC-FW-458	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-022RC-SW-A4	PE,LR / PC,PIP	RC	1		PT		
II-RC-022RC-SW-A4	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-022RC-SW-A6	PE,LR / PC,PIP	RC	1	2-3-12	PT		
II-RC-022RC-SW-A6	PE,LR / PC,PIP	RC	1	2-3-12	UT-45S		

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CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-022RC-SW-B3	PC,PIP / PE,LR	RC	1		PT		
II-RC-022RC-SW-B3	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-022RC-SW-B4	PE,LR / PC,PIP	RC	1		PT		
II-RC-022RC-SW-B4	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-022RC-SW-B5	PC,PIP / PE,LR	RC	1		PT		
II-RC-022RC-SW-B5	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-022RC-SW-B6	PE,LR / PC,PIP	RC	1		PT		
II-RC-022RC-SW-B6	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-022RC-SW-C3	PE,LR / PC,PIP	RC	1		PT		
II-RC-022RC-SW-C3	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-022RC-SW-C8	PC,PIP / PC,RED	RC	1	2-3-12	PT		
II-RC-022RC-SW-C8	PC,PIP / PC,RED	RC	1	2-3-12	UT-45S		

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Harris Nuclear Power Plant - Unit 1
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CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-023RC-92-2-SW-1	PC,PIP / PBCC,T	RC	1		PT		
II-RC-023RC-92-2-SW-1	PC,PIP / PBCC,T	RC	1		UT-45S		
II-RC-023RC-FW-322	PC,PIP / PC,VLV	RC	1		PT		
II-RC-023RC-FW-322	PC,PIP / PC,VLV	RC	1		UT-45S		
II-RC-023RC-FW-323	PC,VLV / PC,PIP	RC	1		PT		
II-RC-023RC-FW-323	PC,VLV / PC,PIP	RC	1		UT-45S		
II-RC-023RC-FW-324	PC,PIP / PE,LR	RC	1	2-3-12	PT		
II-RC-023RC-FW-324	PC,PIP / PE,LR	RC	1	2-3-12	UT-45S		
II-RC-023RC-FW-325	PC,VLV / PC,PIP	RC	1		PT		
II-RC-023RC-FW-325	PC,VLV / PC,PIP	RC	1		UT-45S		
II-RC-023RC-FW-326	PC,PIP / PC,VLV	RC	1		PT		
II-RC-023RC-FW-326	PC,PIP / PC,VLV	RC	1		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-023RC-FW-327	PBCC,T / PC,PIP	RC	1	2-3-12	PT		
II-RC-023RC-FW-327	PBCC,T / PC,PIP	RC	1	2-3-12	UT-45S	2R1-003	
II-RC-023RC-FW-328	PC,PB / PC,SEE	RC	1	2-3-12	PT		
II-RC-023RC-FW-328	PC,PB / PC,SEE	RC	1	2-3-12	UT-45S		
II-RC-023RC-SW-A3	PC,PB / PC,RED	RC	1	2-3-12	PT		
II-RC-023RC-SW-A3	PC,PB / PC,RED	RC	1	2-3-12	UT-45S		
II-RC-023RC-SW-A4	PC,RED / PC,PB	RC	1	2-3-12	PT		
II-RC-023RC-SW-A4	PC,RED / PC,PB	RC	1	2-3-12	UT-45S		
II-RC-023RC-SW-B3	PE,LR / PC,PIP	RC	1	2-3-12	PT		
II-RC-023RC-SW-B3	PE,LR / PC,PIP	RC	1	2-3-12	UT-45S		
II-RC-023RC-SW-B4	PC,PIP / PBCC,T	RC	1	2-3-12	PT		
II-RC-023RC-SW-B4	PC,PIP / PBCC,T	RC	1	2-3-12	UT-45S	2R1-003	

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-023RC-SW-B5	PBCC,T / PC,PIP	RC	1	2-3-12	PT		
II-RC-023RC-SW-B5	PBCC,T / PC,PIP	RC	1	2-3-12	UT-45S	2R1-003	
II-RC-023RC-SW-B6	PC,PIP / PC,RED	RC	1		PT		
II-RC-023RC-SW-B6	PC,PIP / PC,RED	RC	1		UT-45S		
II-RC-023RC-SW-C11	PE,LR / PC,PIP	RC	1		PT		
II-RC-023RC-SW-C11	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-C12	PC,PIP / PE,LR	RC	1		PT		
II-RC-023RC-SW-C12	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-023RC-SW-C13	PBCC,T / PC,PIP	RC	1	2-3-12	PT		
II-RC-023RC-SW-C13	PBCC,T / PC,PIP	RC	1	2-3-12	UT-45S	2R1-003	
II-RC-023RC-SW-C3	PC,PIP / PE,LR	RC	1		PT		
II-RC-023RC-SW-C3	PC,PIP / PE,LR	RC	1		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-023RC-SW-C4	PE,LR / PC,PIP	RC	1		PT		
II-RC-023RC-SW-C4	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-C5	PC,PIP / PE,LR	RC	1		PT		
II-RC-023RC-SW-C5	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-023RC-SW-C6	PE,LR / PC,PIP	RC	1		PT		
II-RC-023RC-SW-C6	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-C7	PC,PIP / PC,RED	RC	1		PT		
II-RC-023RC-SW-C7	PC,PIP / PC,RED	RC	1		UT-45S		
II-RC-023RC-SW-C8	PC,RED / PC,PIP	RC	1		PT		
II-RC-023RC-SW-C8	PC,RED / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-C9	PC,PIP / PBCC,T	RC	1	2-3-12	PT		
II-RC-023RC-SW-C9	PC,PIP / PBCC,T	RC	1	2-3-12	UT-45S	2R1-003	

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-023RC-SW-D10	PC,PIP / PE,LR	RC	1		PT		
II-RC-023RC-SW-D10	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-023RC-SW-D11	PE,LR / PC,PIP	RC	1		PT		
II-RC-023RC-SW-D11	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-D12	PBCC,T / PC,PIP	RC	1		PT		
II-RC-023RC-SW-D12	PBCC,T / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-D13	PC,PIP / PC,RED	RC	1		PT		
II-RC-023RC-SW-D13	PC,PIP / PC,RED	RC	1		UT-45S		
II-RC-023RC-SW-D3	PC,PIP / PC,PIP	RC	1		PT		
II-RC-023RC-SW-D3	PC,PIP / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-D4	PC,PIP / PE,LR	RC	1		PT		
II-RC-023RC-SW-D4	PC,PIP / PE,LR	RC	1		UT-45S		

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CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-023RC-SW-D5	PE,LR / PC,PIP	RC	1		PT		
II-RC-023RC-SW-D5	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-D6	PC,PIP / PE,LR	RC	1		PT		
II-RC-023RC-SW-D6	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-023RC-SW-D7	PE,LR / PC,PIP	RC	1		PT		
II-RC-023RC-SW-D7	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-D8	PC,PIP / PBCC,T	RC	1		PT		
II-RC-023RC-SW-D8	PC,PIP / PBCC,T	RC	1		UT-45S		
II-RC-023RC-SW-D9	PBCC,T / PC,PIP	RC	1		PT		
II-RC-023RC-SW-D9	PBCC,T / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-E10	PE,LR / PC,PIP	RC	1		PT		
II-RC-023RC-SW-E10	PE,LR / PC,PIP	RC	1		UT-45S		

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CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-023RC-SW-E11	PC,PIP / PBCC,T	RC	1		PT		
II-RC-023RC-SW-E11	PC,PIP / PBCC,T	RC	1		UT-45S		
II-RC-023RC-SW-E12	PC,PIP / PC,PIP	RC	1		PT		
II-RC-023RC-SW-E12	PC,PIP / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-E6	PC,PIP / PC,RED	RC	1		PT		
II-RC-023RC-SW-E6	PC,PIP / PC,RED	RC	1		UT-45S		
II-RC-023RC-SW-E7	PBCC,T / PC,PIP	RC	1		PT		
II-RC-023RC-SW-E7	PBCC,T / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-E8	PBCC,T / PC,PIP	RC	1		PT		
II-RC-023RC-SW-E8	PBCC,T / PC,PIP	RC	1		UT-45S		
II-RC-023RC-SW-E9	PC,PIP / PE,LR	RC	1		PT		
II-RC-023RC-SW-E9	PC,PIP / PE,LR	RC	1		UT-45S		



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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-024RC-FW-318	PBCC,T / PC,PIP	RC	1	2-2-10	PT		
II-RC-024RC-FW-318	PBCC,T / PC,PIP	RC	1	2-2-10	UT-45S	2R1-003	
II-RC-024RC-FW-319	PC,PIP / PC,PIP	RC	1	2-2-10	PT		
II-RC-024RC-FW-319	PC,PIP / PC,PIP	RC	1	2-2-10	UT-45S		DENDRITICS SEEN IN 1ST INTERVAL.
II-RC-024RC-FW-320	PC,PB / PC,PIP	RC	1		PT		
II-RC-024RC-FW-320	PC,PB / PC,PIP	RC	1		UT-45S		
II-RC-024RC-FW-321	PE,LR / PC,PIP	RC	1		PT		
II-RC-024RC-FW-321	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-024RC-SW-A3	PE,LR / PC,PIP	RC	1	2-2-10	PT		
II-RC-024RC-SW-A3	PE,LR / PC,PIP	RC	1	2-2-10	UT-45S		DENDRITICS SEEN IN 1ST INTERVAL.
II-RC-024RC-SW-A4	PC,PIP / PE,LR	RC	1	2-2-10	PT		
II-RC-024RC-SW-A4	PC,PIP / PE,LR	RC	1	2-2-10	UT-45S		DENDRITICS SEEN IN 1ST INTERVAL.

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-024RC-SW-B3	PC,PIP / PC,PIP	RC	1		PT		
II-RC-024RC-SW-B3	PC,PIP / PC,PIP	RC	1		UT-45S		
II-RC-024RC-SW-B4	PC,PIP / PE,LR	RC	1		PT		
II-RC-024RC-SW-B4	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-024RC-SW-B5	PE,LR / PC,PIP	RC	1		PT		
II-RC-024RC-SW-B5	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-024RC-SW-B6	PC,PIP / PC,PB	RC	1		PT		
II-RC-024RC-SW-B6	PC,PIP / PC,PB	RC	1		UT-45S		
II-RC-024RC-SW-B9	PC,PIP / PC,PIP	RC	1		PT		
II-RC-024RC-SW-B9	PC,PIP / PC,PIP	RC	1		UT-45S		
II-RC-024RC-SW-C3	PC,PIP / PE,LR	RC	1		PT		
II-RC-024RC-SW-C3	PC,PIP / PE,LR	RC	1		UT-45S		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-024RC-SW-C7	PC,PIP / PC,PIP	RC	1		PT		
II-RC-024RC-SW-C7	PC,PIP / PC,PIP	RC	1		UT-45S		
II-RC-024RC-SW-C8	PC,PIP / PC,PIP	RC	1		PT		
II-RC-024RC-SW-C8	PC,PIP / PC,PIP	RC	1		UT-45S		
II-RC-025RC-76-1-SW-1	PC,PIP / PE,LR	RC	1		PT		
II-RC-025RC-76-1-SW-1	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-025RC-FW-331	PC,NOZ / PC,PIP	RC	1	2-2-10	PT		
II-RC-025RC-FW-331	PC,NOZ / PC,PIP	RC	1	2-2-10	UT-45S	2R1-003	
II-RC-025RC-FW-332	PE,LR / PC,PIP	RC	1		PT		
II-RC-025RC-FW-332	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-025RC-FW-333	PE,LR / PC,PIP	RC	1		PT		
II-RC-025RC-FW-333	PE,LR / PC,PIP	RC	1		UT-45S		

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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-025RC-SW-A3	PC,PIP / PE,LR	RC	1	2-2-10	PT		
II-RC-025RC-SW-A3	PC,PIP / PE,LR	RC	1	2-2-10	UT-45S	2R1-003	
II-RC-025RC-SW-A4	PE,LR / PC,PIP	RC	1		PT		
II-RC-025RC-SW-A4	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-025RC-SW-A5	PC,PIP / PE,LR	RC	1		PT		
II-RC-025RC-SW-A5	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-025RC-SW-A6	PE,LR / PC,PIP	RC	1		PT		
II-RC-025RC-SW-A6	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-025RC-SW-A8	PC,PIP / PC,PIP	RC	1		PT		
II-RC-025RC-SW-A8	PC,PIP / PC,PIP	RC	1		UT-45S		
II-RC-025RC-SW-B3	PC,PIP / PE,LR	RC	1		PT		
II-RC-025RC-SW-B3	PC,PIP / PE,LR	RC	1		UT-45S		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-027RC-FW-329	PC,SEE / PC,PIP	RC	1	2-3-12	PT		
II-RC-027RC-FW-329	PC,SEE / PC,PIP	RC	1	2-3-12	UT-45S		
II-RC-027RC-FW-330	PC,SEE / PC,PB	RC	1		PT		
II-RC-027RC-FW-330	PC,SEE / PC,PB	RC	1		UT-45S		
II-RC-027RC-FW-334	PC,SEE / PC,PB	RC	1		PT		
II-RC-027RC-FW-334	PC,SEE / PC,PB	RC	1		UT-45S		
II-RC-027RC-SW-A10	PE,LR / PC,PIP	RC	1	2-3-12	PT		
II-RC-027RC-SW-A10	PE,LR / PC,PIP	RC	1	2-3-12	UT-45S		
II-RC-027RC-SW-A11	PC,PIP / PF,WN	RC	1	2-3-12	PT		
II-RC-027RC-SW-A11	PC,PIP / PF,WN	RC	1	2-3-12	UT-45S	2R1-003	
II-RC-027RC-SW-A3	PC,PB / PE,LR	RC	1	2-3-12	PT		
II-RC-027RC-SW-A3	PC,PB / PE,LR	RC	1	2-3-12	UT-45S		

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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-027RC-SW-A4	PE,LR / PC,PIP	RC	1	2-3-12	PT		
II-RC-027RC-SW-A4	PE,LR / PC,PIP	RC	1	2-3-12	UT-45S		
II-RC-027RC-SW-A5	PC,PIP / PE,LR	RC	1	2-3-12	PT		
II-RC-027RC-SW-A5	PC,PIP / PE,LR	RC	1	2-3-12	UT-45S		
II-RC-027RC-SW-A6	PE,LR / PC,PIP	RC	1		PT		
II-RC-027RC-SW-A6	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-027RC-SW-A7	PC,PIP / PE,LR	RC	1		PT		
II-RC-027RC-SW-A7	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-027RC-SW-A8	PE,LR / PC,PIP	RC	1	2-3-12	PT		
II-RC-027RC-SW-A8	PE,LR / PC,PIP	RC	1	2-3-12	UT-45S		
II-RC-027RC-SW-A9	PC,PIP / PE,LR	RC	1	2-3-12	PT		
II-RC-027RC-SW-A9	PC,PIP / PE,LR	RC	1	2-3-12	UT-45S		

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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-027RC-SW-B10	PC,PIP / PE,LR	RC	1		PT		
II-RC-027RC-SW-B10	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-027RC-SW-B11	PE,LR / PC,PIP	RC	1		PT		
II-RC-027RC-SW-B11	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-027RC-SW-B12	PC,PIP / PF,WN	RC	1		PT		
II-RC-027RC-SW-B12	PC,PIP / PF,WN	RC	1		UT-45S		
II-RC-027RC-SW-B4	PC,PB / PE,LR	RC	1		PT		
II-RC-027RC-SW-B4	PC,PB / PE,LR	RC	1		UT-45S		
II-RC-027RC-SW-B5	PE,LR / PC,PIP	RC	1		PT		
II-RC-027RC-SW-B5	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-027RC-SW-B6	PC,PIP / PE,LR	RC	1		PT		
II-RC-027RC-SW-B6	PC,PIP / PE,LR	RC	1		UT-45S		

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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-027RC-SW-B7	PE,LR / PC,PIP	RC	1		PT		
II-RC-027RC-SW-B7	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-027RC-SW-B8	PC,PIP / PE,LR	RC	1		PT		
II-RC-027RC-SW-B8	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-027RC-SW-B9	PE,LR / PC,PIP	RC	1		PT		
II-RC-027RC-SW-B9	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-027RC-SW-C10	PE,LR / PC,PIP	RC	1		PT		
II-RC-027RC-SW-C10	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-027RC-SW-C11	PC,PB / PE,LR	RC	1		PT		
II-RC-027RC-SW-C11	PC,PB / PE,LR	RC	1		UT-45S		
II-RC-027RC-SW-C3	PC,PIP / PF,WN	RC	1		PT		
II-RC-027RC-SW-C3	PC,PIP / PF,WN	RC	1		UT-45S		



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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-027RC-SW-C4	PE,LR / PC,PIP	RC	1		PT		
II-RC-027RC-SW-C4	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-027RC-SW-C5	PC,PIP / PE,LR	RC	1		PT		
II-RC-027RC-SW-C5	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-027RC-SW-C6	PE,LR / PC,PIP	RC	1		PT		
II-RC-027RC-SW-C6	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-027RC-SW-C7	PC,PIP / PE,LR	RC	1		PT		
II-RC-027RC-SW-C7	PC,PIP / PE,LR	RC	1		UT-45S		
II-RC-027RC-SW-C8	PE,LR / PC,PIP	RC	1		PT		
II-RC-027RC-SW-C8	PE,LR / PC,PIP	RC	1		UT-45S		
II-RC-027RC-SW-C9	PC,PIP / PE,LR	RC	1		PT		
II-RC-027RC-SW-C9	PC,PIP / PE,LR	RC	1		UT-45S		



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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING						
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ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments	
II-RH-009RC-FW-291	PC,PIP / PC,VLV	RC	1		PT			
II-RH-009RC-FW-291	PC,PIP / PC,VLV	RC	1		UT-50S			
II-RH-009RC-FW-292	PC,NOZ / PC,PIP	RC	1	2-2-10	PT			
II-RH-009RC-FW-292	PC,NOZ / PC,PIP	RC	1	2-2-10	UT-50S	2R1-003		
II-RH-009RC-SW-A3	PC,PIP / PE,LR	RC	1	2-2-10	PT			
II-RH-009RC-SW-A3	PC,PIP / PE,LR	RC	1	2-2-10	UT-50S			
II-RH-009RC-SW-A4	PE,LR / PC,PIP	RC	1	2-2-10	PT			
II-RH-009RC-SW-A4	PE,LR / PC,PIP	RC	1	2-2-10	UT-50S			
II-RH-009RC-SW-A5	PC,PIP / PE,LR	RC	1	2-2-10	PT			
II-RH-009RC-SW-A5	PC,PIP / PE,LR	RC	1	2-2-10	UT-50S			
II-RH-009RC-SW-A6	PE,LR / PC,PIP	RC	1	2-2-10	PT			
II-RH-009RC-SW-A6	PE,LR / PC,PIP	RC	1	2-2-10	UT-50S			

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ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-009RH-FW-199	PE,LR / PC,PIP	RH	1		PT		
II-RH-009RH-FW-199	PE,LR / PC,PIP	RH	1		UT-50S		
II-RH-009RH-FW-200	PC,PIP / PC,VLV	RH	1		PT		
II-RH-009RH-FW-200	PC,PIP / PC,VLV	RH	1		UT-50S		
II-RH-009RH-FW-202	PC,PIP / PE,LR	RH	1		PT		
II-RH-009RH-FW-202	PC,PIP / PE,LR	RH	1		UT-50S		
II-RH-009RH-FW-203	PC,PIP / PE,LR	RH	1		PT		
II-RH-009RH-FW-203	PC,PIP / PE,LR	RH	1		UT-50S		
II-RH-009RH-FW-204	PC,VLV / PC,PIP	RH	1		PT		
II-RH-009RH-FW-204	PC,VLV / PC,PIP	RH	1		UT-50S		
II-RH-009RH-SW-B3	PC,PB / PC,PIP	RH	1		PT		
II-RH-009RH-SW-B3	PC,PB / PC,PIP	RH	1		UT-50S		

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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-009RH-SW-C3	PE,LR / PC,PIP	RH	1		PT		
II-RH-009RH-SW-C3	PE,LR / PC,PIP	RH	1		UT-50S		
II-RH-009RH-SW-D3	PE,LR / PC,PB	RH	1		PT		
II-RH-009RH-SW-D3	PE,LR / PC,PB	RH	1		UT-50S		
II-RH-009RH-SW-D4	PC,PB / PE,LR	RH	1		PT		
II-RH-009RH-SW-D4	PC,PB / PE,LR	RH	1		UT-50S		
II-RH-009RH-SW-E3	PC,PIP / PE,LR	RH	1		PT		
II-RH-009RH-SW-E3	PC,PIP / PE,LR	RH	1		UT-50S		
II-RH-009RH-SW-E4	PE,LR / PC,PIP	RH	1		PT		
II-RH-009RH-SW-E4	PE,LR / PC,PIP	RH	1		UT-50S		
II-RH-009RH-SW-E5	PC,PIP / PE,LR	RH	1		PT		
II-RH-009RH-SW-E5	PC,PIP / PE,LR	RH	1		UT-50S		



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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-009RH-SW-E6	PE,LR / PC,PIP	RH	1		PT		
II-RH-009RH-SW-E6	PE,LR / PC,PIP	RH	1		UT-50S		
II-RH-010RC-FW-289	PC,NOZ / PC,PIP	RC	1	2-2-10	PT		
II-RH-010RC-FW-289	PC,NOZ / PC,PIP	RC	1	2-2-10	UT-50S		
II-RH-010RC-FW-290	PC,PIP / PC,VLV	RC	1		PT		
II-RH-010RC-FW-290	PC,PIP / PC,VLV	RC	1		UT-50S		
II-RH-010RC-SW-A3	PE,LR / PC,PIP	RC	1	2-2-10	PT		
II-RH-010RC-SW-A3	PE,LR / PC,PIP	RC	1	2-2-10	UT-50S		
II-RH-010RC-SW-A4	PC,PIP / PE,LR	RC	1	2-2-10	PT		
II-RH-010RC-SW-A4	PC,PIP / PE,LR	RC	1	2-2-10	UT-50S		
II-RH-010RC-SW-A5	PE,LR / PC,PIP	RC	1	2-2-10	PT		
II-RH-010RC-SW-A5	PE,LR / PC,PIP	RC	1	2-2-10	UT-50S		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-010RC-SW-A6	PC,PIP / PE,LR	RC	1	2-2-10	PT		
II-RH-010RC-SW-A6	PC,PIP / PE,LR	RC	1	2-2-10	UT-50S		
II-RH-010RH-FW-194	PC,PIP / PC,VLV	RH	1		PT		
II-RH-010RH-FW-194	PC,PIP / PC,VLV	RH	1		UT-53S		
II-RH-010RH-FW-195	PE,LR / PC,PIP	RH	1		PT		
II-RH-010RH-FW-195	PE,LR / PC,PIP	RH	1		UT-53S		
II-RH-010RH-FW-196	PC,PIP / PE,LR	RH	1		PT		
II-RH-010RH-FW-196	PC,PIP / PE,LR	RH	1		UT-53S		
II-RH-010RH-FW-197	PC,PIP / PE,LR	RH	1		PT		
II-RH-010RH-FW-197	PC,PIP / PE,LR	RH	1		UT-50S		
II-RH-010RH-FW-198	PC,VLV / PC,PB	RH	1		PT		
II-RH-010RH-FW-198	PC,VLV / PC,PB	RH	1		UT-53S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-010RH-SW-B6	PC,PB / PC,PIP	RH	1		PT		
II-RH-010RH-SW-B6	PC,PB / PC,PIP	RH	1		UT-53S		
II-RH-010RH-SW-C3	PE,LR / PC,PIP	RH	1		PT		
II-RH-010RH-SW-C3	PE,LR / PC,PIP	RH	1		UT-53S		
II-RH-010RH-SW-C4	PC,PIP / PC,PIP	RH	1		PT		
II-RH-010RH-SW-C4	PC,PIP / PC,PIP	RH	1		UT-53S		
II-RH-010RH-SW-D3	PC,PB / PE,LR	RH	1		PT		
II-RH-010RH-SW-D3	PC,PB / PE,LR	RH	1		UT-53S		
II-RH-010RH-SW-D4	PE,LR / PC,PB	RH	1		PT		
II-RH-010RH-SW-D4	PE,LR / PC,PB	RH	1		UT-53S		
II-RH-010RH-SW-E3	PE,LR / PC,PIP	RH	1		PT		
II-RH-010RH-SW-E3	PE,LR / PC,PIP	RH	1		UT-53S		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-010RH-SW-E4	PC,PIP / PE,LR	RH	1		PT		
II-RH-010RH-SW-E4	PC,PIP / PE,LR	RH	1		UT-53S		
II-RH-010RH-SW-E5	PE,LR / PC,PIP	RH	1		PT		
II-RH-010RH-SW-E5	PE,LR / PC,PIP	RH	1		UT-53S		
II-RH-010RH-SW-E6	PC,PIP / PE,LR	RH	1		PT		
II-RH-010RH-SW-E6	PC,PIP / PE,LR	RH	1		UT-53S		
II-SI-017RC-FW-297	PC,PIP / PBC,S	RC	1	2-3-12	PT		
II-SI-017RC-FW-297	PC,PIP / PBC,S	RC	1	2-3-12	UT-45S	2R1-003	
II-SI-017RC-SW-A3	PSW,E / PC,PIP	RC	1	2-3-12	PT		
II-SI-017RC-SW-A3	PSW,E / PC,PIP	RC	1	2-3-12	UT-45S		
II-SI-017RC-SW-A4	PC,PIP / PSW,E	RC	1	2-3-12	PT		
II-SI-017RC-SW-A4	PC,PIP / PSW,E	RC	1	2-3-12	UT-45S		

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CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-017SI-FW-604	PC,VLV / PC,PIP	SI	1		PT		
II-SI-017SI-FW-604	PC,VLV / PC,PIP	SI	1		UT-45S		
II-SI-017SI-FW-605	PC,PIP / PC,VLV	SI	1		PT		
II-SI-017SI-FW-605	PC,PIP / PC,VLV	SI	1		UT-45S		
II-SI-017SI-SW-B3	PSW,R / PC,PIP	SI	1		PT		
II-SI-017SI-SW-B3	PSW,R / PC,PIP	SI	1		UT-45S		
II-SI-021RC-FW-300	PC,PIP / PC,NOZ	RC	1	2-3-12	PT		
II-SI-021RC-FW-300	PC,PIP / PC,NOZ	RC	1	2-3-12	UT-53S	2R1-003	
II-SI-021RC-SW-E3	PE,LR / PC,PIP	RC	1	2-3-12	PT		
II-SI-021RC-SW-E3	PE,LR / PC,PIP	RC	1	2-3-12	UT-53S		
II-SI-021RC-SW-E4	PC,PIP / PE,LR	RC	1		PT		
II-SI-021RC-SW-E4	PC,PIP / PE,LR	RC	1		UT-45S		

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CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-021RC-SW-E5	PE,LR / PC,PIP	RC	1		PT		
II-SI-021RC-SW-E5	PE,LR / PC,PIP	RC	1		UT-45S		
II-SI-021RC-SW-E6	PC,PIP / PE,LR	RC	1		PT		
II-SI-021RC-SW-E6	PC,PIP / PE,LR	RC	1		UT-45S		
II-SI-021SI-FW-547	PC,VLV / PC,PIP	SI	1		PT		
II-SI-021SI-FW-547	PC,VLV / PC,PIP	SI	1		UT-50S		
II-SI-021SI-FW-548	PC,PIP / PE,LR	SI	1		PT		
II-SI-021SI-FW-548	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-021SI-FW-549	PC,PIP / PC,VLV	SI	1		PT		
II-SI-021SI-FW-549	PC,PIP / PC,VLV	SI	1		UT-53S		
II-SI-021SI-FW-550	PC,VLV / PC,PIP	RC	1		PT		
II-SI-021SI-FW-550	PC,VLV / PC,PIP	RC	1		UT-50S		

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CATEGORY B-J
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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-021SI-SW-C3	PE,LR / PC,PIP	SI	1		PT		
II-SI-021SI-SW-C3	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-021SI-SW-C4	PC,PIP / PE,LR	SI	1		PT		
II-SI-021SI-SW-C4	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-021SI-SW-D3	PE,LR / PC,PIP	SI	1		PT		
II-SI-021SI-SW-D3	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-021SI-SW-D4	PC,PIP / PE,LR	SI	1		PT		
II-SI-021SI-SW-D4	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-021SI-SW-D5	PE,LR / PC,PIP	SI	1		PT		
II-SI-021SI-SW-D5	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-022RC-FW-301	PC,PIP / PC,NOZ	RC	1	2-2-10	PT		
II-SI-022RC-FW-301	PC,PIP / PC,NOZ	RC	1	2-2-10	UT-53S	2R1-003	

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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-022RC-SW-E3	PE,LR / PC,PIP	RC	1	2-2-10	PT		
II-SI-022RC-SW-E3	PE,LR / PC,PIP	RC	1	2-2-10	UT-53S		
II-SI-022RC-SW-E4	PC,PIP / PE,LR	RC	1	2-2-10	PT		
II-SI-022RC-SW-E4	PC,PIP / PE,LR	RC	1	2-2-10	UT-53S		
II-SI-022RC-SW-E5	PE,LR / PC,PIP	RC	1	2-2-10	PT		
II-SI-022RC-SW-E5	PE,LR / PC,PIP	RC	1	2-2-10	UT-53S		
II-SI-022RC-SW-E6	PC,PIP / PE,LR	RC	1		PT		
II-SI-022RC-SW-E6	PC,PIP / PE,LR	RC	1		UT-53S		
II-SI-022SI-FW-551	PC,VLV / PC,PIP	SI	1		PT		
II-SI-022SI-FW-551	PC,VLV / PC,PIP	SI	1		UT-53S		
II-SI-022SI-FW-552	PC,PIP / PC,PIP	SI	1		PT		
II-SI-022SI-FW-552	PC,PIP / PC,PIP	SI	1		UT-50S		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-022SI-FW-553	PC,PIP / PC,VLV	SI	1		PT		
II-SI-022SI-FW-553	PC,PIP / PC,VLV	SI	1		UT-53S		
II-SI-022SI-FW-554	PC,VLV / PC,PIP	RC	1		PT		
II-SI-022SI-FW-554	PC,VLV / PC,PIP	RC	1		UT-53S		
II-SI-022SI-SW-C3	PC,PIP / PE,LR	SI	1		PT		
II-SI-022SI-SW-C3	PC,PIP / PE,LR	SI	1		UT-53S		
II-SI-022SI-SW-C4	PE,LR / PC,PIP	SI	1		PT		
II-SI-022SI-SW-C4	PE,LR / PC,PIP	SI	1		UT-53S		
II-SI-022SI-SW-D3	PC,PIP / PC,PIP	SI	1		PT		
II-SI-022SI-SW-D3	PC,PIP / PC,PIP	SI	1		UT-53S		
II-SI-022SI-SW-D4	PC,PIP / PE,LR	SI	1		PT		
II-SI-022SI-SW-D4	PC,PIP / PE,LR	SI	1		UT-53S		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-022SI-SW-D5	PE,LR / PC,PIP	SI	1		PT		
II-SI-022SI-SW-D5	PE,LR / PC,PIP	SI	1		UT-53S		
II-SI-023RC-FW-299	PC,PIP / PC,NOZ	RC	1	2-3-12	PT		
II-SI-023RC-FW-299	PC,PIP / PC,NOZ	RC	1	2-3-12	UT-53S	2R1-003	
II-SI-023RC-SW-E3	PC,PIP / PE,LR	RC	1		PT		
II-SI-023RC-SW-E3	PC,PIP / PE,LR	RC	1		UT-53S		
II-SI-023RC-SW-E4	PE,LR / PC,PIP	RC	1	2-3-12	PT		
II-SI-023RC-SW-E4	PE,LR / PC,PIP	RC	1	2-3-12	UT-53S		
II-SI-023RC-SW-E5	PC,PIP / PE,LR	RC	1	2-3-12	PT		
II-SI-023RC-SW-E5	PC,PIP / PE,LR	RC	1	2-3-12	UT-53S		
II-SI-023RC-SW-E6	PE,LR / PC,PIP	RC	1	2-3-12	PT		
II-SI-023RC-SW-E6	PE,LR / PC,PIP	RC	1	2-3-12	UT-53S		



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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-023SI-FW-611	PC,PIP / PC,VLV	SI	1		PT		
II-SI-023SI-FW-611	PC,PIP / PC,VLV	SI	1		UT-53S		
II-SI-023SI-FW-612	PC,VLV / PC,PIP	SI	1		PT		
II-SI-023SI-FW-612	PC,VLV / PC,PIP	SI	1		UT-50S		
II-SI-023SI-FW-613	PC,PIP / PE,LR	SI	1		PT		
II-SI-023SI-FW-613	PC,PIP / PE,LR	SI	1		UT-53S		
II-SI-023SI-FW-614	PC,VLV / PC,PIP	SI	1		PT		
II-SI-023SI-FW-614	PC,VLV / PC,PIP	SI	1		UT-53S		
II-SI-023SI-SW-C3	PC,PIP / PE,LR	SI	1		PT		
II-SI-023SI-SW-C3	PC,PIP / PE,LR	SI	1		UT-53S		
II-SI-023SI-SW-C4	PE,LR / PC,PIP	SI	1		PT		
II-SI-023SI-SW-C4	PE,LR / PC,PIP	SI	1		UT-53S		

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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-023SI-SW-D3	PE,LR / PC,PIP	SI	1		PT		
II-SI-023SI-SW-D3	PE,LR / PC,PIP	SI	1		UT-53S		
II-SI-023SI-SW-D4	PC,PIP / PE,LR	SI	1		PT		
II-SI-023SI-SW-D4	PC,PIP / PE,LR	SI	1		UT-53S		
II-SI-023SI-SW-D5	PE,LR / PC,PIP	SI	1		PT		
II-SI-023SI-SW-D5	PE,LR / PC,PIP	SI	1		UT-53S		
II-SI-023SI-SW-D6	PC,PIP / PE,LR	SI	1		PT		
II-SI-023SI-SW-D6	PC,PIP / PE,LR	SI	1		UT-53S		
II-SI-023SI-SW-D7	PE,LR / PC,PIP	SI	1		PT		
II-SI-023SI-SW-D7	PE,LR / PC,PIP	SI	1		UT-53S		
II-SI-024RC-FW-293	PC,PIP / PC,NOZ	RC	1		PT		
II-SI-024RC-FW-293	PC,PIP / PC,NOZ	RC	1		UT-45S		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-024RC-SW-A3	PC,PIP / PE,LR	RC	1	2-1-08	PT		
II-SI-024RC-SW-A3	PC,PIP / PE,LR	RC	1	2-1-08	UT-45S		
II-SI-024RC-SW-A4	PE,LR / PC,PIP	RC	1	2-1-08	PT		
II-SI-024RC-SW-A4	PE,LR / PC,PIP	RC	1	2-1-08	UT-45S		
II-SI-024SI-FW-585	PC,VLV / PC,PIP	SI	1		PT		
II-SI-024SI-FW-585	PC,VLV / PC,PIP	SI	1		UT-45S		
II-SI-024SI-FW-586	PC,PIP / PE,LR	SI	1		PT		
II-SI-024SI-FW-586	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-024SI-FW-587	PC,PIP / PC,VLV	SI	1		PT		
II-SI-024SI-FW-587	PC,PIP / PC,VLV	SI	1		UT-45S		
II-SI-024SI-FW-588	PC,VLV / PC,PIP	RC	1	2-1-08	PT		
II-SI-024SI-FW-588	PC,VLV / PC,PIP	RC	1	2-1-08	UT-45S	2R1-003	

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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-024SI-SW-B12	PC,PIP / PC,PIP	SI	1		PT		
II-SI-024SI-SW-B12	PC,PIP / PC,PIP	SI	1		UT-45S		
II-SI-024SI-SW-B3	PE,LR / PC,PIP	SI	1		PT		
II-SI-024SI-SW-B3	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-024SI-SW-B4	PC,PIP / PE,LR	SI	1		PT		
II-SI-024SI-SW-B4	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-024SI-SW-B5	PE,LR / PC,PIP	SI	1		PT		
II-SI-024SI-SW-B5	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-024SI-SW-B6	PC,PIP / PE,LR	SI	1		PT		
II-SI-024SI-SW-B6	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-024SI-SW-B7	PE,LR / PC,PIP	SI	1		PT		
II-SI-024SI-SW-B7	PE,LR / PC,PIP	SI	1		UT-45S		

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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-024SI-SW-C3	PC,PIP / PE,LR	SI	1		PT		
II-SI-024SI-SW-C3	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-024SI-SW-C4	PE,LR / PC,PIP	SI	1		PT		
II-SI-024SI-SW-C4	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-024SI-SW-C5	PC,PIP / PE,LR	SI	1		PT		
II-SI-024SI-SW-C5	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-024SI-SW-C6	PE,LR / PC,PIP	SI	1		PT		
II-SI-024SI-SW-C6	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-025RC-FW-295	PC,PIP / PC,NOZ	RC	1	2-1-08	PT		
II-SI-025RC-FW-295	PC,PIP / PC,NOZ	RC	1	2-1-08	UT-45S		
II-SI-025RC-SW-J3	PE,LR / PC,PIP	RC	1	2-1-08	PT		
II-SI-025RC-SW-J3	PE,LR / PC,PIP	RC	1	2-1-08	UT-45S		

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ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-025RC-SW-J4	PC,PIP / PE,LR	RC	1	2-1-08	PT		
II-SI-025RC-SW-J4	PC,PIP / PE,LR	RC	1	2-1-08	UT-45S		
II-SI-025SI-FW-536	PC,VLV / PC,PIP	RC	1	2-1-08	PT		
II-SI-025SI-FW-536	PC,VLV / PC,PIP	RC	1	2-1-08	UT-45S	2R1-003	
II-SI-025SI-FW-537	PC,PIP / PC,VLV	SI	1		PT		
II-SI-025SI-FW-537	PC,PIP / PC,VLV	SI	1		UT-45S		
II-SI-025SI-FW-538	PC,PIP / PE,LR	SI	1		PT		
II-SI-025SI-FW-538	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-025SI-FW-539	PC,VLV / PC,PIP	SI	1		PT		
II-SI-025SI-FW-539	PC,VLV / PC,PIP	SI	1		UT-45S		
II-SI-025SI-SW-H3	PE,LR / PC,PIP	SI	1		PT		
II-SI-025SI-SW-H3	PE,LR / PC,PIP	SI	1		UT-45S		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-025SI-SW-H4	PC,PIP / PE,LR	SI	1		PT		
II-SI-025SI-SW-H4	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-025SI-SW-I3	PE,LR / PC,PIP	SI	1		PT		
II-SI-025SI-SW-I3	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-025SI-SW-I4	PC,PIP / PE,LR	SI	1		PT		
II-SI-025SI-SW-I4	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-025SI-SW-I5	PE,LR / PC,PIP	SI	1		PT		
II-SI-025SI-SW-I5	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-025SI-SW-I6	PE,LR / PC,PIP	SI	1		PT		
II-SI-025SI-SW-I6	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-025SI-SW-I7	PC,PIP / PE,LR	SI	1		PT		
II-SI-025SI-SW-I7	PC,PIP / PE,LR	SI	1		UT-45S		

Carolina Power and Light Company
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CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-025SI-SW-I8	PC,PIP / PE,LR	SI	1		PT		
II-SI-025SI-SW-I8	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-025SI-SW-I9	PE,LR / PC,PIP	SI	1		PT		
II-SI-025SI-SW-I9	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-026RC-FW-294	PC,PIP / PC,NOZ	RC	1	2-1-08	PT		
II-SI-026RC-FW-294	PC,PIP / PC,NOZ	RC	1	2-1-08	UT-45S		
II-SI-026RC-SW-A3	PE,LR / PC,PIP	RC	1	2-1-08	PT		
II-SI-026RC-SW-A3	PE,LR / PC,PIP	RC	1	2-1-08	UT-45S		
II-SI-026RC-SW-A4	PC,PIP / PE,LR	RC	1	2-1-08	PT		
II-SI-026RC-SW-A4	PC,PIP / PE,LR	RC	1	2-1-08	UT-45S		
II-SI-026RC-SW-A5	PE,LR / PC,PIP	RC	1	2-1-08	PT		
II-SI-026RC-SW-A5	PE,LR / PC,PIP	RC	1	2-1-08	UT-45S		

Carolina Power and Light Company
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ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-026RC-SW-A6	PC,PIP / PE,LR	RC	1	2-1-08	PT		
II-SI-026RC-SW-A6	PC,PIP / PE,LR	RC	1	2-1-08	UT-45S		
II-SI-026SI-155-1-SW-1	PC,PIP / PC,PIP	SI	1		PT		
II-SI-026SI-155-1-SW-1	PC,PIP / PC,PIP	SI	1		UT-45S		
II-SI-026SI-155-1-SW-2	PC,PIP / PE,LR	SI	1		PT		
II-SI-026SI-155-1-SW-2	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-026SI-FW-543	PC,VLV / PC,PIP	RC	1	2-1-08	PT		
II-SI-026SI-FW-543	PC,VLV / PC,PIP	RC	1	2-1-08	UT-45S	2R1-003	
II-SI-026SI-FW-544	PC,PIP / PC,VLV	SI	1		PT		
II-SI-026SI-FW-544	PC,PIP / PC,VLV	SI	1		UT-45S		
II-SI-026SI-FW-545	PC,PIP / PE,LR	SI	1		PT		
II-SI-026SI-FW-545	PC,PIP / PE,LR	SI	1		UT-45S		

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ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-026SI-FW-546	PC,VLV / PC,PIP	SI	1		PT		
II-SI-026SI-FW-546	PC,VLV / PC,PIP	SI	1		UT-45S		
II-SI-026SI-SW-B3	PE,LR / PC,PIP	SI	1		PT		
II-SI-026SI-SW-B3	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-026SI-SW-B4	PC,PIP / PE,LR	SI	1		PT		
II-SI-026SI-SW-B4	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-026SI-SW-B5	PE,LR / PC,PIP	SI	1		PT		
II-SI-026SI-SW-B5	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-026SI-SW-C3	PE,LR / PC,PIP	SI	1		PT		
II-SI-026SI-SW-C3	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-026SI-SW-C4	PC,PIP / PE,LR	SI	1		PT		
II-SI-026SI-SW-C4	PC,PIP / PE,LR	SI	1		UT-45S		

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ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-026SI-SW-C5	PE,LR - / C,PIPE	SI	1		PT		
II-SI-026SI-SW-C5	PE,LR - / C,PIPE	SI	1		UT-45S		
II-SI-027RC-FW-298	PC,PIP / PC,NOZ	RC	1	2-3-12	PT		
II-SI-027RC-FW-298	PC,PIP / PC,NOZ	RC	1	2-3-12	UT-45S	2R1-003	
II-SI-027RC-SW-A3	PC,PIP / PE,LR	RC	1	2-3-12	PT		
II-SI-027RC-SW-A3	PC,PIP / PE,LR	RC	1	2-3-12	UT-45S		
II-SI-027RC-SW-A4	PE,LR / PC,PIP	RC	1	2-3-12	PT		
II-SI-027RC-SW-A4	PE,LR / PC,PIP	RC	1	2-3-12	UT-45S		
II-SI-027SI-FW-540	PE,LR / PC,PIP	SI	1		PT		
II-SI-027SI-FW-540	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-027SI-FW-541	PC,PB / PC,VLV	SI	1		PT		
II-SI-027SI-FW-541	PC,PB / PC,VLV	SI	1		UT-45S		



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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-027SI-FW-542	PC,VLV / PC,PIP	RC	1	2-3-12	PT		
II-SI-027SI-FW-542	PC,VLV / PC,PIP	RC	1	2-3-12	UT-45S	2R1-003	
II-SI-027SI-FW-602	PC,VLV / PC,PB	SI	1		PT		
II-SI-027SI-FW-602	PC,VLV / PC,PB	SI	1		UT-45S		
II-SI-027SI-FW-603	PE,LR / PC,PIP	SI	1		PT		
II-SI-027SI-FW-603	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-027SI-SW-B5	PC,PIP / PC,PB	SI	1		PT		
II-SI-027SI-SW-B5	PC,PIP / PC,PB	SI	1		UT-45S		
II-SI-027SI-SW-B6	PC,PIP / PC,PIP	SI	1		PT		
II-SI-027SI-SW-B6	PC,PIP / PC,PIP	SI	1		UT-45S		
II-SI-027SI-SW-C3	PC,PIP / PE,LR	SI	1		PT		
II-SI-027SI-SW-C3	PC,PIP / PE,LR	SI	1		UT-45S		

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CATEGORY B-J
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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-027SI-SW-C4	PE,LR / PC,PIP	SI	1		PT		
II-SI-027SI-SW-C4	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-027SI-SW-C5	PC,PIP / PE,LR	SI	1		PT		
II-SI-027SI-SW-C5	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-027SI-SW-D3	PC,PIP / PE,LR	SI	1		PT		
II-SI-027SI-SW-D3	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-027SI-SW-D4	PE,LR / PC,PIP	SI	1		PT		
II-SI-027SI-SW-D4	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-027SI-SW-D5	PC,PIP / PE,LR	SI	1		PT		
II-SI-027SI-SW-D5	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-028RC-FW-296	PC,PIP / PC,NOZ	RC	1	2-1-08	PT		
II-SI-028RC-FW-296	PC,PIP / PC,NOZ	RC	1	2-1-08	UT-45S	2R1-003	

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PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-028RC-SW-F3	PC,PB / PE,LR	RC	1	2-1-08	PT		
II-SI-028RC-SW-F3	PC,PB / PE,LR	RC	1	2-1-08	UT-45S		
II-SI-028RC-SW-F4	PE,LR / PC,PIP	RC	1	2-1-08	PT		
II-SI-028RC-SW-F4	PE,LR / PC,PIP	RC	1	2-1-08	UT-45S		
II-SI-028RC-SW-F5	PC,PIP / PE,LR	RC	1	2-1-08	PT		
II-SI-028RC-SW-F5	PC,PIP / PE,LR	RC	1	2-1-08	UT-45S		
II-SI-028RC-SW-F6	PE,LR / PC,PIP	RC	1	2-1-08	PT		
II-SI-028RC-SW-F6	PE,LR / PC,PIP	RC	1	2-1-08	UT-45S		
II-SI-028SI-FW-533	PE,LR / PC,PB	SI	1		PT		
II-SI-028SI-FW-533	PE,LR / PC,PB	SI	1		UT-45S		
II-SI-028SI-FW-534	PC,PIP / PC,VLV	SI	1		PT		
II-SI-028SI-FW-534	PC,PIP / PC,VLV	SI	1		UT-45S		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.11	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-028SI-FW-535	PC,VLV / PC,PB	RC	1		PT		
II-SI-028SI-FW-535	PC,VLV / PC,PB	RC	1		UT-45S		
II-SI-028SI-FW-595	PC,VLV / PC,PIP	SI	1		PT		
II-SI-028SI-FW-595	PC,VLV / PC,PIP	SI	1		UT-45S		
II-SI-028SI-FW-596	PE,LR / PC,PIP	SI	1		PT		
II-SI-028SI-FW-596	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-028SI-SW-C3	PC,PIP / PE,LR	SI	1		PT		
II-SI-028SI-SW-C3	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-028SI-SW-C4	PE,LR / PC,PIP	SI	1		PT		
II-SI-028SI-SW-C4	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-028SI-SW-C5	PC,PIP / PE,LR	SI	1		PT		
II-SI-028SI-SW-C5	PC,PIP / PE,LR	SI	1		UT-45S		



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CATEGORY B-J
ITEM NO. B9.11

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-028SI-SW-D3	PC,PB / PE,LR	SI	1		PT		
II-SI-028SI-SW-D3	PC,PB / PE,LR	SI	1		UT-45S		
II-SI-028SI-SW-D4	PE,LR / PC,PIP	SI	1		PT		
II-SI-028SI-SW-D4	PE,LR / PC,PIP	SI	1		UT-45S		
II-SI-028SI-SW-D5	PC,PIP / PE,LR	SI	1		PT		
II-SI-028SI-SW-D5	PC,PIP / PE,LR	SI	1		UT-45S		
II-SI-028SI-SW-D7	PC,PIP / PC,PB	SI	1		PT		
II-SI-028SI-SW-D7	PC,PIP / PC,PB	SI	1		UT-45S		
II-SI-028SI-SW-D8	PC,PIP / PC,PIP	SI	1		PT		
II-SI-028SI-SW-D8	PC,PIP / PC,PIP	SI	1		UT-45S		
II-SI-028SI-SW-E4	PC,PB / PC,PIP	SI	1		PT		
II-SI-028SI-SW-E4	PC,PB / PC,PIP	SI	1		UT-45S		

Carolina Power and Light Company
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CATEGORY B-J PRESSURE RETAINING WELDS IN PIPING
ITEM NO. B9.12 LONGITUDINAL WELDS IN PIPING, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



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CATEGORY B-J
ITEM NO. B9.21

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE < 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-088CS-FW-3105	PC,VLV / PC,PB	CS	1		PT		
II-CS-088CS-FW-3106	PC,PB / PC,VLV	CS	1		PT		
II-CS-088CS-FW-3107	PC,VLV / PC,PIP	CS	1		PT		
II-CS-088CS-SW-A10	PBCC,T / PC,PIP	CS	1		PT		
II-CS-088CS-SW-A11	PC,PIP / PBCC,T	CS	1		PT		
II-CS-088CS-SW-A12	PBCC,T / PC,PIP	CS	1		PT		
II-CS-088CS-SW-A13	PC,PIP / PSW,C	CS	1		PT		
II-CS-088CS-SW-A3	PC,PIP / PF,RFW	CS	1	2-1-08	PT		
II-CS-088CS-SW-A4	PE,LR / PC,PIP	CS	1	2-1-08	PT		
II-CS-088CS-SW-A5	PC,PB / PE,LR	CS	1	2-1-08	PT		
II-CS-088CS-SW-A6	PE,LR / PC,PB	CS	1	2-1-08	PT		
II-CS-088CS-SW-A7	PC,PIP / PE,LR	CS	1		PT		
II-CS-088CS-SW-A8	PE,LR / PC,PIP	CS	1		PT		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.21	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE < 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-088CS-SW-A9	PC,PIP / PE,LR	CS	1		PT		
II-CS-094CS-FW-3081	PC,VLV / PC,PIP	CS	1		PT		
II-CS-094CS-FW-3082	PC,PIP / PC,VLV	CS	1		PT		
II-CS-094RC-FW-442	PC,VLV / PC,PIP	RC	1	2-1-08	PT		
II-CS-094RC-FW-445	PC,PIP / PC,NOZ	RC	1	2-1-08	PT		
II-CS-094RC-SW-A3	PE,LR / PC,PIP	RC	1	2-1-08	PT		
II-CS-094RC-SW-A4	PC,PIP / PE,LR	RC	1	2-1-08	PT		
II-CS-097CS-FW-3070	PC,PIP / PC,VLV	RC	1		PT		
II-CS-097CS-FW-3071	PC,VLV / PC,PIP	CS	1		PT		
II-CS-097CS-FW-3072	PC,PIP / PC,VLV	CS	1		PT		
II-CS-097CS-FW-3074	PC,VLV / PC,PIP	CS	1		PT		
II-CS-097CS-SW-E3	PE,LR / PC,PIP	CS	1		PT		
II-CS-097CS-SW-E4	PC,PIP / PE,LR	CS	1		PT		

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CATEGORY B-J
ITEM NO. B9.21

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE < 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-097RC-129-1-SW-1	PC,PIP / PC,RED	RC	1	2-2-10	PT		
II-CS-097RC-FW-339	PC,PIP / PC,VLV	RC	1		PT		
II-CS-097RC-FW-340	PC,NOZ / PC,PIP	RC	1	2-2-10	PT		
II-CS-097RC-SW-A3	PBCC,T / PC,PIP	RC	1	2-2-10	PT		
II-CS-097RC-SW-A4	PC,PIP / PBCC,T	RC	1	2-2-10	PT		
II-CS-097RC-SW-A5	PBCC,T / PC,PIP	RC	1		PT		
II-CS-102CS-FW-3083	PC,VLV / PC,PIP	CS	1		PT		
II-CS-102CS-FW-3084	PC,PIP / PC,VLV	CS	1		PT		
II-CS-102RC-FW-443	PC,PIP / PC,NOZ	RC	1	2-3-12	PT		
II-CS-102RC-FW-444	PC,VLV / PC,PIP	RC	1		PT		
II-CS-102RC-SW-A3	PE,LR / PC,PIP	RC	1	2-3-12	PT		
II-CS-102RC-SW-A4	PC,PIP / PE,LR	RC	1		PT		
II-CS-103CS-FW-3101	PC,VLV / PC,PB	CS	1		PT		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.21	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE < 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-103CS-FW-3102	PC,PB / PC,VLV	CS	1		PT		
II-CS-103CS-FW-3103	PC,VLV / PC,PIP	CS	1		PT		
II-CS-103CS-SW-A3	PC,PIP / PC,RED	CS	1		PT		
II-CS-103CS-SW-A4	PBCC,T / PC,PIP	CS	1		PT		
II-CS-103CS-SW-A5	PBCC,T / PC,PB	CS	1	2-3-12	PT		
II-CS-103CS-SW-A6	PC,PB / PF,RFW	CS	1	2-3-12	PT		
II-CS-103CS-SW-A7	PC,PIP / PBCC,T	CS	1		PT		
II-CS-106RC-131-1-SW-1	PC,PIP / PE,LR	RC	1		PT		
II-CS-106RC-131-1-SW-2	PC,PIP / PC,PIP	RC	1		PT		
II-CS-106RC-FW-346	PC,PIP / PC,VLV	RC	1		PT		
II-CS-106RC-FW-347	PC,VLV / PC,PIP	RC	1		PT		
II-CS-106RC-FW-348	PC,PIP / PC,VLV	RC	1		PT		
II-CS-106RC-SW-A4	PE,LR / PC,PIP	RC	1		PT		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.21	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE < 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-107CS-593-2-SW-1	PBCC,T / PC,PIP	CS	1	2-2-10	PT		
II-CS-107CS-FW-3108	PC,VLV / PC,PIP	CS	1		PT		
II-CS-107CS-FW-3109	PC,PIP / PC,VLV	CS	1		PT		
II-CS-107CS-FW-3110	PC,VLV / PC,PIP	CS	1		PT		
II-CS-107CS-SW-A3	PC,PB / PF,RFW	CS	1	2-2-10	PT		
II-CS-107CS-SW-A5	PC,PIP / PBCC,T	CS	1		PT		
II-CS-107CS-SW-A6	PBCC,T / PC,PIP	CS	1		PT		
II-CS-107CS-SW-A7	PBCC,T / PSW,C	CS	1		PT		
II-RC-022RC-149-3-SW-1	PE,LR / PC,PIP	RC	1		PT		
II-RC-022RC-149-3-SW-3	PBCC,T / PC,PIP	RC	1		PT		
II-RC-022RC-149-3-SW-6	PBCC,T / PC,PIP	RC	1		PT		
II-RC-022RC-149-3-SW-8	PC,PIP / PE,LR	RC	1	2-3-12	PT		
II-RC-022RC-149-3-SW-9	PC,PIP / PE,LR	RC	1		PT		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.21	CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE < 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-022RC-FW-459	PC,PIP / PC,VLV	RC	1		PT		
II-RC-022RC-FW-460	PC,VLV / PC,PIP	RC	1		PT		
II-RC-022RC-FW-461	PC,PIP / PC,VLV	RC	1		PT		
II-RC-022RC-FW-463	PC,PIP / PC,VLV	RC	1		PT		
II-RC-022RC-FW-464	PC,VLV / PC,PIP	RC	1		PT		
II-RC-022RC-FW-465	PC,PIP / PC,VLV	RC	1		PT		
II-RC-022RC-FW-467	PC,PIP / PC,VLV	RC	1	2-3-12	PT		
II-RC-022RC-FW-468	PC,VLV / PC,PIP	RC	1	2-3-12	PT		
II-RC-022RC-FW-469	PC,PIP / PC,VLV	RC	1	2-3-12	PT		
II-RC-022RC-SW-C10	PC,PIP / PE,LR	RC	1		PT		
II-RC-022RC-SW-C11	PE,LR / PC,PIP	RC	1		PT		
II-RC-022RC-SW-C12	PC,PIP / PE,LR	RC	1		PT		
II-RC-022RC-SW-C16	PE,LR / PC,PIP	RC	1		PT		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.21

PRESSURE RETAINING WELDS IN PIPING
CIRCUMFERENTIAL WELDS IN PIPING, NOMINAL PIPE SIZE < 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-022RC-SW-C19	PE,LR / PC,PIP	RC	1	2-3-12	PT		
II-RC-022RC-SW-C9	PC,RED / PC,PIP	RC	1		PT		
II-RC-023RC-SW-D14	PC,RED / PC,PIP	RC	1	2-3-12	PT		
II-RC-023RC-SW-E5	PC,RED / PC,PIP	RC	1	2-3-12	PT		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J PRESSURE RETAINING WELDS IN PIPING
ITEM NO. B9.22 LONGITUDINAL WELDS IN PIPING, NOMINAL PIPE SIZE < 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.31	BRANCH PIPE CONNECTION WELDS, NOMINAL PIPE SIZE >= 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01RC-10-17-SW-L2	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-01RC-10-17-SW-L2	PC,PIP / PC,NOZ	RC	1		UT-45L		
II-FMR-01RC-10-17-SW-L3	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-01RC-10-17-SW-L3	PC,PIP / PC,NOZ	RC	1		UT-45L		
II-FMR-01RC-10-17-SW-P4	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-01RC-10-17-SW-P4	PC,PIP / PC,NOZ	RC	1		UT-45L		
II-FMR-01RC-10-17-SW-P5	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-01RC-10-17-SW-P5	PC,PIP / PC,NOZ	RC	1		UT-45L		
II-FMR-01RC-10-17-SW-P6	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-01RC-10-17-SW-P6	PC,PIP / PC,NOZ	RC	1		UT-45L		
II-FMR-02RC-10-18-SW-K2	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-02RC-10-18-SW-K2	PC,PIP / PC,NOZ	RC	1		UT-45L		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.31

PRESSURE RETAINING WELDS IN PIPING
BRANCH PIPE CONNECTION WELDS, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-02RC-10-18-SW-K8	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-02RC-10-18-SW-K8	PC,PIP / PC,NOZ	RC	1		UT-45L		
II-FMR-02RC-10-18-SW-L4	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-02RC-10-18-SW-L4	PC,PIP / PC,NOZ	RC	1		UT-45L		
II-FMR-02RC-10-18-SW-L5	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-02RC-10-18-SW-L5	PC,PIP / PC,NOZ	RC	1		UT-45S		
II-FMR-02RC-10-18-SW-L7	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-02RC-10-18-SW-L7	PC,PIP / PC,NOZ	RC	1		UT-45S		
II-FMR-03RC-10-19-SW-N2	PC,PIP / PC,NOZ	RC	1	2-3-12	PT		
II-FMR-03RC-10-19-SW-N2	PC,PIP / PC,NOZ	RC	1	2-3-12	UT-45L	2R1-003	
II-FMR-03RC-10-19-SW-N3	PC,PIP / PC,NOZ	RC	1	2-3-12	PT		
II-FMR-03RC-10-19-SW-N3	PC,PIP / PC,NOZ	RC	1	2-3-12	UT-45L	2R1-003	

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.31

PRESSURE RETAINING WELDS IN PIPING
BRANCH PIPE CONNECTION WELDS, NOMINAL PIPE SIZE >= 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03RC-10-19-SW-04	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-03RC-10-19-SW-04	PC,PIP / PC,NOZ	RC	1		UT-45S		
II-FMR-03RC-10-19-SW-05	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-03RC-10-19-SW-05	PC,PIP / PC,NOZ	RC	1		UT-45L		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.32

PRESSURE RETAINING WELDS IN PIPING
BRANCH PIPE CONNECTION WELDS, NOMINAL PIPE SIZE < 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01RC-10-17-SW-L7	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-01RC-10-17-SW-O7	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-01RC-10-17-SW-O8	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-01RC-10-17-SW-P2	PC,PIP /	RC	1		PT		
II-FMR-01RC-10-17-SW-P3	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-01RC-10-17-SW-P7	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-01RC-5-1-1-SW-1	PC,PIP / PBC,W	RC	1		PT		
II-FMR-01RC-5-1-1-SW-3	PBC,TE / C,PIPE	RC	1	2-1-08	PT		
II-FMR-01RC-5-1-1-SW-4	PBC,TE / C,PIPE	RC	1	2-1-08	PT		
II-FMR-01RC-5-1-1-SW-5	PBC,TE / C,PIPE	RC	1	2-1-08	PT		
II-FMR-01RC-5-1-1-SW-6	PBC,TE / C,PIPE	RC	1	2-1-08	PT		
II-FMR-01RC-5-1-5-SW-7	PBC,TE / C,PIPE	RC	1	2-1-08	PT		
II-FMR-01RC-5-1-5-SW-8	PBC,TE / C,PIPE	RC	1		PT		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.32

PRESSURE RETAINING WELDS IN PIPING
BRANCH PIPE CONNECTION WELDS, NOMINAL PIPE SIZE < 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-02RC-10-18-SW-H7	PC,PIP / PC,NOZ	RC	1	2-2-10	PT		
II-FMR-02RC-10-18-SW-H8	PC,PIP / PC,NOZ	RC	1	2-2-10	PT		
II-FMR-02RC-10-18-SW-K14	PC,PIP / PC,NOZ	RC	1		PT		
II-FMR-02RC-10-18-SW-L2	PC,PIP / PBC,S	RC	1	2-2-10	PT		
II-FMR-02RC-10-18-SW-L3	PC,PIP / PBC,A	RC	1	2-2-10	PT		
II-FMR-02RC-10-18-SW-L6	PC,PIP / PC,NOZ	RC	1	2-2-10	PT		
II-FMR-02RC-5-2-1-SW-1	PBC,TE / C,PIPE	RC	1		PT		
II-FMR-02RC-5-2-1-SW-2	PBC,TE / C,PIPE	RC	1		PT		
II-FMR-02RC-5-2-1-SW-3	PBC,TE / C,PIPE	RC	1		PT		
II-FMR-02RC-5-2-5-SW-1	PBC,TE / C,PIPE	RC	1		PT		
II-FMR-02RC-5-2-5-SW-2	PBC,TE / C,PIPE	RC	1		PT		
II-FMR-03RC-10-19-SW-N7	PC,PIP / PBC,TE	RC	1	2-3-12	PT		
II-FMR-03RC-10-19-SW-O2	PC,PIP / PC,NOZ	RC	1		PT		



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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.32	BRANCH PIPE CONNECTION WELDS, NOMINAL PIPE SIZE < 4 IN.					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03RC-10-19-SW-O3	PC,PIP / PSW,P	RC	1		PT		
II-FMR-03RC-10-19-SW-P7	PC,PIP / PC,NOZ	RC	1	2-3-12	PT		
II-FMR-03RC-10-19-SW-P8	PC,PIP / PC,NOZ	RC	1	2-3-12	PT		
II-FMR-03RC-5-3-1-SW-1	PC,PIP / PBC,W	RC	1		PT		
II-FMR-03RC-5-3-1-SW-3	PBC,TE / C,PIPE	RC	1		PT		
II-FMR-03RC-5-3-1-SW-4	PBC,TE / C,PIPE	RC	1		PT		
II-FMR-03RC-5-3-1-SW-5	PBC,TE / C,PIPE	RC	1		PT		
II-FMR-03RC-5-3-5-SW-1	PBC,TE / C,PIPE	RC	1		PT		
II-FMR-03RC-5-3-5-SW-2	PBC,TE / C,PIPE	RC	1		PT		
II-SI-024SI-SW-B8	PC,PIP / PBC,S	SI	1		PT		
II-SI-024SI-SW-C8	PC,PIP / PBC,S	SI	1		PT		
II-SI-025SI-SW-H5	PC,PIP / PBC,S	SI	1		PT		
II-SI-025SI-SW-I10	PC,PIP / PBC,S	SI	1		PT		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.32

PRESSURE RETAINING WELDS IN PIPING
BRANCH PIPE CONNECTION WELDS, NOMINAL PIPE SIZE < 4 IN.

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-026SI-SW-B6	PC,PIP / PBC,S	SI	1		PT		
II-SI-026SI-SW-C7	PC,PIP / PBC,S	SI	1		PT		
II-SI-027SI-SW-D6	PC,PB / PBC,S	SI	1		PT		
II-SI-027SI-SW-D7	PC,PB / PBC,S	SI	1		PT		
II-SI-028SI-SW-C6	PC,PIP / PBC,S	SI	1		PT		
II-SI-028SI-SW-C8	PC,PIP / PBC,S	SI	1		PT		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.40	PIPE SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-093CS-482-FW-3074	PC,VLV / PC,PIP	CS	1	2-3-12	PT		
II-CS-093CS-FW-3075	PC,VLV / PC,PIP	CS	1	2-3-12	PT		
II-CS-093CS-FW-3076	PC,PIP / PC,VLV	RC	1	2-3-12	PT		
II-CS-093CS-SW-A3	PC,PIP / PSW,T	CS	1	2-3-12	PT		
II-CS-093CS-SW-A4	PSW,T / PSW,RI	CS	1		PT		
II-CS-093CS-SW-A5	PC,PIP / PSW,T	CS	1	2-3-12	PT		
II-CS-097RC-FW-341	PC,PIP / PC,VLV	RC	1		PT		
II-CS-097RC-FW-342	PC,VLV / PC,PIP	RC	1		PT		
II-CS-097RC-FW-343	PC,PIP / PC,VLV	RC	1		PT		
II-CS-097RC-FW-344	PC,RED / PSW,C	RC	1	2-2-10	PT		
II-CS-097RC-SW-B3	PE,LR / PC,PIP	RC	1		PT		
II-CS-097RC-SW-B4	PC,PIP / PE,LR	RC	1		PT		
II-CS-097RC-SW-B5	PSW,C / PC,PIP	RC	1	2-2-10	PT		



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ISI Component/Examination Listing for 2nd 10-Year Interval**

CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.40	PIPE SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-106RC-FW-345	PC,PIP / PC,PIP	RC	1	2-1-08	PT		
II-RC-017RC-FW-335	PC,NOZ / PC,PIP	RC	1	2-2-10	PT		
II-RC-017RC-FW-336	PC,PIP / PC,VLV	RC	1		PT		
II-RC-017RC-FW-337	PC,VLV / PC,PIP	RC	1		PT		
II-RC-017RC-FW-338	PC,PIP / PC,VLV	RC	1		PT		
II-RC-017RC-SW-A3	PE,LR / PC,PIP	RC	1		PT		
II-RC-017RC-SW-A4	PC,PIP / PE,LR	RC	1		PT		
II-RC-023RC-92-3-SW-2	PC,PIP / PSW,C	RC	1		PT		
II-RC-023RC-SW-B7	PC,RED / PC,PIP	RC	1		PT		
II-RC-023RC-SW-E4	PC,PIP / PSW,C	RC	1	2-3-12	PT		
II-SI-016SI-FW-722	PSW,VL / PC,PIP	SI	1		PT		
II-SI-016SI-FW-723	PC,PIP / PBC,S	SI	1	2-2-10	PT		
II-SI-016SI-FW-724	PSW,VL / PC,PIP	SI	1		PT		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.40	PIPE SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-016SI-FW-725	PC,PIP / PBC,S	SI	1		PT		
II-SI-016SI-SW-A3	PC,PIP / PSW,E	SI	1		PT		
II-SI-016SI-SW-A4	PSW,E / PC,PIP	SI	1	2-2-10	PT		
II-SI-016SI-SW-B3	PC,PIP / PSW,E	SI	1		PT		
II-SI-016SI-SW-B4	PSW,E / PC,PIP	SI	1		PT		
II-SI-017SI-FW-898	PSW,VL / PC,PIP	SI	1		PT		
II-SI-017SI-FW-903	PC,PIP / PSW,VL	SI	1		PT		
II-SI-017SI-FW-904	PC,PIP / PSW,C	SI	1		PT		
II-SI-017SI-FW-905	PSW,C / PSW,R	SI	1	2-3-12	PT		
II-SI-017SI-SW-C10	PSW,E / PC,PIP	SI	1		PT		
II-SI-017SI-SW-C11	PC,PIP / PSW,E	SI	1		PT		
II-SI-017SI-SW-C12	PSW,C / PC,PIP	SI	1		PT		
II-SI-017SI-SW-C5	PC,PIP / PSW,C	SI	1	2-3-12	PT		

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CATEGORY B-J
ITEM NO. B9.40

PRESSURE RETAINING WELDS IN PIPING
PIPE SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-017SI-SW-C6	PSW,E / PC,PIP	SI	1	2-3-12	PT		
II-SI-017SI-SW-C7	PC,PIP / PSW,E	SI	1	2-3-12	PT		
II-SI-017SI-SW-C8	PSW,E / PC,PIP	SI	1	2-3-12	PT		
II-SI-017SI-SW-C9	PC,PIP / PSW,E	SI	1		PT		
II-SI-017SI-SW-D13	PSW,T / PC,PIP	SI	1		PT		
II-SI-017SI-SW-D14	PSW,T / PC,PIP	SI	1		PT		
II-SI-017SI-SW-D15	PC,PIP / PSW,T	SI	1		PT		
II-SI-017SI-SW-D16	PSW,E / PC,PIP	SI	1		PT		
II-SI-017SI-SW-D17	PC,PIP / PSW,E	SI	1		PT		
II-SI-017SI-SW-D18	PSW,TR / PC,PIP	SI	1		PT		
II-SI-017SI-SW-D19	PC,PIP / PSW,TR	SI	1		PT		
II-SI-018SI-FW-662	PSW,E / PC,PIP	SI	1		PT		
II-SI-018SI-FW-663	PSW,E / PC,PB	SI	1		PT		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.40	PIPE SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-018SI-FW-664	PC,VLV / PC,PIP	SI	1		PT		
II-SI-018SI-FW-963	PSW,C / PC,PIP	SI	1		PT		
II-SI-018SI-FW-964	PSW,E / PC,PIP	SI	1		PT		
II-SI-018SI-FW-965	PSW,E / PC,PIP	SI	1	2-1-08	PT		
II-SI-018SI-FW-966	PC,PIP / PBC,S	SI	1	2-1-08	PT		
II-SI-018SI-SW-A3	PC,PIP / PSW,E	SI	1	2-1-08	PT		
II-SI-018SI-SW-A4	PSW,E / PC,PIP	SI	1	2-1-08	PT		
II-SI-018SI-SW-A5	PC,PIP / PSW,E	SI	1	2-1-08	PT		
II-SI-018SI-SW-A6	PSW,E / PC,PIP	SI	1	2-1-08	PT		
II-SI-018SI-SW-B3	PC,PB / PSW,E	SI	1		PT		
II-SI-018SI-SW-C3	PC,PIP / PSW,E	SI	1		PT		
II-SI-018SI-SW-D3	PC,PIP / PSW,C	SI	1		PT		
II-SI-018SI-SW-E3	PC,PB / PSW,E	SI	1		PT		

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CATEGORY B-J
ITEM NO. B9.40

PRESSURE RETAINING WELDS IN PIPING
PIPE SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-018SI-SW-E6	PC,PB / PC,PB	SI	1		PT		
II-SI-018SI-SW-F10	PSW,E / PC,PIP	SI	1		PT		
II-SI-018SI-SW-F11	PC,PIP / PSW,E	SI	1		PT		
II-SI-018SI-SW-F3	PC,PB / PSW,E	SI	1		PT		
II-SI-018SI-SW-F4	PSW,E / PC,PB	SI	1		PT		
II-SI-018SI-SW-F5	PC,PIP / PSW,E	SI	1		PT		
II-SI-018SI-SW-F6	PSW,E / PC,PIP	SI	1		PT		
II-SI-018SI-SW-F7	PC,PIP / PSW,E	SI	1		PT		
II-SI-018SI-SW-F8	PSW,TR / PC,PIP	SI	1		PT		
II-SI-018SI-SW-F9	PC,PIP / PSW,TR	SI	1		PT		
II-SI-019SI-FW-656	PC,VLV / PC,PIP	SI	1		PT		
II-SI-019SI-FW-661	PSW,E / PC,PIP	SI	1		PT		
II-SI-019SI-FW-995	PSW,E / PC,PIP	SI	1		PT		

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CATEGORY B-J
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PRESSURE RETAINING WELDS IN PIPING
PIPE SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-019SI-FW-996	PSW,C / PC,PIP	SI	1		PT		
II-SI-019SI-FW-997	PC,PIP / PBC,S	SI	1	2-2-10	PT		
II-SI-019SI-FW-998	PC,PIP / PSW,C	SI	1		PT		
II-SI-019SI-SW-A6	PC,PIP / PSW,E	SI	1	2-2-10	PT		
II-SI-019SI-SW-A7	PSW,E / PC,PIP	SI	1	2-2-10	PT		
II-SI-019SI-SW-A8	PC,PIP / PSW,E	SI	1	2-2-10	PT		
II-SI-019SI-SW-A9	PSW,E / PC,PIP	SI	1	2-2-10	PT		
II-SI-019SI-SW-B5	PC,PIP / PSW,C	SI	1		PT		
II-SI-019SI-SW-C3	PSW,C / PC,PIP	SI	1		PT		
II-SI-019SI-SW-C4	PC,PIP / PSW,E	SI	1		PT		
II-SI-019SI-SW-E3	PC,PIP / PSW,E	SI	1		PT		
II-SI-019SI-SW-E4	PSW,E / PC,PIP	SI	1		PT		
II-SI-019SI-SW-E5	PC,PIP / PSW,TR	SI	1		PT		

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CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.40	PIPE SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-019SI-SW-E6	PSW,TR / PC,PIP	SI	1		PT		
II-SI-019SI-SW-E7	PC,PIP / PSW,E	SI	1		PT		
II-SI-019SI-SW-E8	PSW,E / PC,PIP	SI	1		PT		
II-SI-019SI-SW-E9	PC,PIP / PSW,E	SI	1		PT		
II-SI-020SI-FW-669	PSW,VL / PC,PIP	SI	1		PT		
II-SI-020SI-FW-670	PSW,E / PC,PIP	SI	1		PT		
II-SI-020SI-FW-973	PSW,C / PC,PIP	SI	1		PT		
II-SI-020SI-FW-974	PSW,E / PC,PIP	SI	1	2-3-12	PT		
II-SI-020SI-FW-975	PC,PIP / PBC,S	SI	1	2-3-12	PT		
II-SI-020SI-SW-A3	PSW,E / PC,PIP	SI	1	2-3-12	PT		
II-SI-020SI-SW-A4	PC,PIP / PSW,E	SI	1	2-3-12	PT		
II-SI-020SI-SW-B3	PC,PIP / PSW,E	SI	1		PT		
II-SI-020SI-SW-C3	PC,PIP / PSW,C	SI	1		PT		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.40

PRESSURE RETAINING WELDS IN PIPING
PIPE SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-020SI-SW-D10	PC,PIP / PSW,E	SI	1		PT		
II-SI-020SI-SW-D11	PSW,E / PC,PIP	SI	1		PT		
II-SI-020SI-SW-D12	PC,PIP / PSW,E	SI	1		PT		
II-SI-020SI-SW-D3	PC,PIP / PSW,TR	SI	1		PT		
II-SI-020SI-SW-D7	PSW,TR / PC,PIP	SI	1		PT		
II-SI-020SI-SW-D8	PC,PIP / PSW,E	SI	1		PT		
II-SI-020SI-SW-D9	PSW,E / PC,PIP	SI	1		PT		
II-SI-027SI-FW-985	PSW,VL / PC,PIP	SI	1		PT		
II-SI-027SI-FW-986	PC,PIP / PBC,S	SI	1		PT		
II-SI-027SI-SW-E6	PC,PIP / PSW,TR	SI	1		PT		
II-SI-027SI-SW-E7	PSW,TR / PC,PIP	SI	1		PT		
II-SI-027SI-SW-E8	PC,PIP / PSW,E	SI	1		PT		
II-SI-027SI-SW-E9	PSW,E / PC,PIP	SI	1		PT		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-J	PRESSURE RETAINING WELDS IN PIPING					
ITEM NO.	B9.40	PIPE SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-029SI-248-1-SW-1	PC,PB / PSW,TR	SI	1		PT		
II-SI-029SI-248-1-SW-2	PSW,TR / PC,PIP	SI	1		PT		
II-SI-029SI-FW-939	PSW,VL / PC,PIP	SI	1		PT		
II-SI-029SI-FW-940	PC,PIP / PBC,S	SI	1	2-3-12	PT		
II-SI-029SI-FW-998	PSW,VL / PC,PB	SI	1		PT		
II-SI-029SI-FW-999	PC,PIP / PBC,S	SI	1		PT		
II-SI-029SI-SW-A3	PSW,E / PC,PIP	SI	1	2-3-12	PT		
II-SI-029SI-SW-A4	PC,PIP / PSW,E	SI	1	2-3-12	PT		
II-SI-029SI-SW-A5	PSW,E / PC,PIP	SI	1		PT		
II-SI-029SI-SW-A6	PC,PIP / PSW,E	SI	1		PT		
II-SI-029SI-SW-B5	PSW,T / PSW,R	SI	1		PT		
II-SI-029SI-SW-B6	PC,PIP / PSW,T	SI	1		PT		
II-SI-029SI-SW-B7	PSW,T / PC,PIP	SI	1		PT		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-J
ITEM NO. B9.40

PRESSURE RETAINING WELDS IN PIPING
PIPE SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-030SI-FW-993	PSW,VL / PC,PIP	SI	1		PT		
II-SI-030SI-FW-994	PC,PIP / PBC,S	SI	1	2-1-08	PT		
II-SI-030SI-SW-A3	PC,PIP / PSW,E	SI	1		PT		
II-SI-030SI-SW-A4	PSW,E / PC,PIP	SI	1		PT		
II-SI-030SI-SW-A5	PC,PIP / PSW,E	SI	1		PT		
II-SI-030SI-SW-A6	PSW,E / PC,PIP	SI	1	2-1-08	PT		
II-SI-032SI-FW-991	PSW,VL / PC,PIP	SI	1		PT		
II-SI-032SI-FW-992	PC,PIP / PBC,S	SI	1	2-1-08	PT		
II-SI-032SI-SW-A3	PSW,E / PC,PIP	SI	1		PT		
II-SI-032SI-SW-A4	PC,PIP / PSW,E	SI	1		PT		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-K-1
ITEM NO. B10.10

INTEGRAL ATTACHMENTS FOR PIPING, PUMPS, AND VALVES
PIPING INTEGRALLY WELDED ATTACHMENTS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-024RC-H-00751(8)	PC,PIP / PI,LUG	RC	1	2-3-12	PT		
II-SI-026SI-H-01491(8)	PC,PIP / PI,LUG	SI	1	2-2-10	PT		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-K-1 INTEGRAL ATTACHMENTS FOR PIPING, PUMPS, AND VALVES
ITEM NO. B10.20 PUMP INTEGRALLY WELDED ATTACHMENTS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-K-1 INTEGRAL ATTACHMENTS FOR PIPING, PUMPS, AND VALVES
ITEM NO. B10.30 VALVE INTEGRALLY WELDED ATTACHMENTS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-L-1	PRESSURE RETAINING WELDS IN PUMP CASINGS					
ITEM NO.	B12.10	PUMP CASING WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RCP-01RCPA-CW-01	TPUMP /	RC	1	2-3-13	UT/RT		Examination is required of only one of the RCPs during the Interval. Code Case N-481 changes the Volumetric exam to a Visual (VT-1) on the OD of the Pump.
II-RCP-01RCPB-CW-01	TPUMP /	RC	1	Any	UT/RT		Examination is required of only one of the RCPs during the Interval. Code Case N-481 changes the Volumetric exam to a Visual (VT-1) on the OD of the Pump.
II-RCP-01RCPC-CW-01	TPUMP /	RC	1	Any	UT/RT		Examination is required of only one of the RCPs during the Interval. Code Case N-481 changes the Volumetric exam to a Visual (VT-1) on the OD of the Pump.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY ITEM NO.	B-L-2 B12.20	PUMP CASINGS PUMP CASING						
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments	
II-RCP-01RCPA-CASINT	TPUINT /	RC	1	2-3-13	VT-3		Per Code, examination is required of only one of the RCPs during the Interval, and then only if the Pump is disassembled for maintenace, repair, or volumetric examination. Code Case N-481	
II-RCP-01RCPB-CASINT	TPUINT /	RC	1	Any	VT-3		Per Code, examination is required of only one of the RCPs during the Interval, and then only if the Pump is disassembled for maintenace, repair, or volumetric examination. Code Case N-481	
II-RCP-01RCPC-CASINT	TPUINT /	RC	1	Any	VT-3		Per Code, examination is required of only one of the RCPs during the Interval, and then only if the Pump is disassembled for maintenace, repair, or volumetric examination. Code Case N-481	

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-M-1 PRESSURE RETAINING WELDS IN VALVE BODIES
ITEM NO. B12.30 VALVES, NOMINAL PIPE SIZE < 4 IN. VALVE BODY WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-M-1 PRESSURE RETAINING WELDS IN VALVE BODIES
ITEM NO. B12.40 VALVES, NOMINAL PIPE SIZE \geq 4 IN. VALVE BODY WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-M-2	VALVE BODIES					
ITEM NO.	B12.50	VALVE BODY, EXCEEDING 4 IN. NOMINAL PIPE SIZE					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RC-0271RC-123 INT	AVALIN /	RC	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.
II-RC-0271RC-125 INT	AVALIN /	RC	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.
II-RC-0271RC-127 INT	AVALIN /	RC	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.
II-RH-0091RH-39 INT	AVALIN /	RH	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.
II-RH-0091RH-40 INT	AVALIN /	RH	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.
II-RH-0101RH-1 INT	AVALIN /	RH	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.
II-RH-0101RH-2 INT	AVALIN /	RH	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.
II-SI-0171SI-138 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.
II-SI-0211SI-249 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.
II-SI-0211SI-250 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.
II-SI-0221SI-251 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.
II-SI-0221SI-252 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.
II-SI-0231SI-253 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.

**Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval**

CATEGORY	B-M-2	VALVE BODIES						
ITEM NO.	B12.50	VALVE BODY, EXCEEDING 4 IN. NOMINAL PIPE SIZE						
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments	
II-SI-0231SI-254 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.	
II-SI-0241SI-356 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.	
II-SI-0241SI-81 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.	
II-SI-0251SI-357 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.	
II-SI-0251SI-82 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.	
II-SI-0261SI-358 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.	
II-SI-0261SI-83 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.	
II-SI-0271SI-135 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.	
II-SI-0271SI-137 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.	
II-SI-0281SI-134 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.	
II-SI-0281SI-136 INT	AVALIN /	SI	1	Any	VT-3		Examine each and every time that any of the Class 1 valves (exceeding 4" NPS) are disassembled for any reason.	

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	B-N-1	INTERIOR OF REACTOR VESSEL					
ITEM NO.	B13.10	RV VESSEL INTERIOR					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001-INTERIOR	RINTB /	RC	1	2-1-09	VT-3		Examine accessible areas with Core Barrel in place.
II-RV-001-INTERIOR	RINTB /	RC	1	2-2-11	VT-3		Examine accessible areas with Core Barrel in place.
II-RV-001-INTERIOR	RINTB /	RC	1	2-3-13	VT-3		Examine accessible areas with Core Barrel in place.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-N-2 RV INTEGRALLY WELDED CORE SUPPORTS AND ATTACHMENTS
ITEM NO. B13.50 INTERIOR ATTACHMENTS WITHIN BELTLINE REGION (PWR)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-N-2
ITEM NO. B13.60

RV INTEGRALLY WELDED CORE SUPPORTS AND ATTACHMENTS
INTERIOR ATTACHMENTS BEYOND BELTLINE REGION (PWR)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001RVCS-01	RRS/LC /	RC	1	2-3-13	VT-3		Examine with Core Barrel removed.
II-RV-001RVCS-02	RRS/LC /	RC	1	2-3-13	VT-3		Examine with Core Barrel removed.
II-RV-001RVCS-03	RRS/LC /	RC	1	2-3-13	VT-3		Examine with Core Barrel removed.
II-RV-001RVCS-04	RRS/LC /	RC	1	2-3-13	VT-3		Examine with Core Barrel removed.



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-N-3 REMOVABLE CORE SUPPORT STRUCTURES
ITEM NO. B13.70 RV CORE SUPPORT STRUCTURE (PWR)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001CORE BARREL	RCSS /	RC	1	2-3-13	VT-3		Examine with Core Barrel removed. Examination includes all portions of RV Internals that restrain the Core in 3-dimensional space. Some portions of Upper Internals are included.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-O
ITEM NO. B14.10

PRESSURE RETAINING WELDS IN CONTROL ROD HOUSING
WELDS IN PERIPHERAL CRD HOUSINGS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RV-001CRDH-54	VCRDH /	RC	1	2-3-13	PT		Deferred to end of Interval per Code.
II-RV-001CRDH-55	VCRDH /	RC	1	2-3-13	PT		Deferred to end of Interval per Code.
II-RV-001CRDH-56	VCRDH /	RC	1	2-3-13	PT		Deferred to end of Interval per Code.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.10 RV PRESSURE RETAINING BOUNDARY (SLT)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.11 RV PRESSURE RETAINING BOUNDARY (HYDRO)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

**Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval**

CATEGORY B-P **ALL PRESSURE RETAINING COMPONENTS**
ITEM NO. B15.20 **PZR PRESSURE RETAINING BOUNDARY (SLT)**

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.21 PZR PRESSURE RETAINING BOUNDARY (HYDRO)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.30 SG PRESSURE RETAINING BOUNDARY (SLT)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.31 SG PRESSURE RETAINING BOUNDARY (HYDRO)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.40 HX PRESSURE RETAINING BOUNDARY (SLT)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.41 HX PRESSURE RETAINING BOUNDARY (HYDRO)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.50 PIPING PRESSURE RETAINING BOUNDARY (SLT)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.51 PIPING PRESSURE RETAINING BOUNDARY (HYDRO)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.60 PUMPS PRESSURE RETAINING BOUNDARY (SLT)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.61 PUMPS PRESSURE RETAINING BOUNDARY (HYDRO)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.70 VALVES PRESSURE RETAINING BOUNDARY (SLT)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-P ALL PRESSURE RETAINING COMPONENTS
ITEM NO. B15.71 VALVES PRESSURE RETAINING BOUNDARY (HYDRO)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-Q STEAM GENERATOR TUBING
ITEM NO. B16.10 STEAM GENERATOR TUBING IN STRAIGHT TUBE DESIGN

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY B-Q STEAM GENERATOR TUBING
ITEM NO. B16.20 STEAM GENERATOR TUBING IN U-TUBE DESIGN

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Eddy Current Examination Of Steam Generator Tubing

The HNP U-Tube Steam Generator Tubing is examined using the Eddy Current method in accordance with the requirements of the ASME Code Section XI, 1989 Edition with no Addenda, and Examination Category B-Q (Item No. B16.20), "Steam Generator Tubing in U-Tube Design" in accordance with 10CFR50.55a(b)(2)(iii). Section XI defers the inspections of the tubes to plant Technical Specifications. HNP Technical Specification 3/4.4.5, "Steam Generators", contains the applicable requirements for the inspection of Steam Generator Tubes. The NDE examination results are evaluated in accordance with the acceptance standards of IWB-3521 of Section XI.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-A	PRESSURE RETAINING WELDS IN PRESSURE VESSELS					
ITEM NO.	C1.10	PRESSURE VESSEL SHELL CIRCUMFERENTIAL WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-EL-001CSW-02A,B,C	VCSW /	CS	2	2-1-08	UT-45S		Combination of exams II-EL-001CSW-02A, -02B, and -02C from Interval 1.
II-RHR-01RHRA-CSW-02A,B,C	VCSW /	RH	2	2-1-08	UT-45S	2R2-005	Combination of exams II-RHR-01RHRA-CSW-02A, -02B, and -02C from Interval 1.
II-RHR-01RHRB-CSW-02A,B,C	VCSW /	RH	2		UT-45S		Combination of exams II-RHR-01RHRB-CSW-02A, -02B, and -02C from Interval 1.
II-SG-001SGA-CSW-03	VCSW /	RC	2	2-2-10	UT-00		
II-SG-001SGA-CSW-03	VCSW /	RC	2	2-2-10	UT-45S		
II-SG-001SGA-CSW-03	VCSW /	RC	2	2-2-10	UT-60S		
II-SG-001SGA-CSW-03	VCSW /	RC	2	2-2-10	UT-70S		
II-SG-001SGA-CSW-04	VCSW /	RC	2	2-2-10	UT-00		
II-SG-001SGA-CSW-04	VCSW /	RC	2	2-2-10	UT-45S		
II-SG-001SGA-CSW-04	VCSW /	RC	2	2-2-10	UT-60S		
II-SG-001SGA-CSW-04	VCSW /	RC	2	2-2-10	UT-70S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-A	PRESSURE RETAINING WELDS IN PRESSURE VESSELS					
ITEM NO.	C1.10	PRESSURE VESSEL SHELL CIRCUMFERENTIAL WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGA-CSW-10	VCSW /	RC	2	2-2-10	UT-00		
II-SG-001SGA-CSW-10	VCSW /	RC	2	2-2-10	UT-45S		
II-SG-001SGA-CSW-10	VCSW /	RC	2	2-2-10	UT-60S		
II-SG-001SGA-CSW-10	VCSW /	RC	2	2-2-10	UT-70S		
II-SG-001SGB-CSW-03	VCSW /	RC	2		UT-00		
II-SG-001SGB-CSW-03	VCSW /	RC	2		UT-45S		
II-SG-001SGB-CSW-03	VCSW /	RC	2		UT-60S		
II-SG-001SGB-CSW-03	VCSW /	RC	2		UT-70S		
II-SG-001SGB-CSW-04	VCSW /	RC	2		UT-00		
II-SG-001SGB-CSW-04	VCSW /	RC	2		UT-45S		
II-SG-001SGB-CSW-04	VCSW /	RC	2		UT-60S		
II-SG-001SGB-CSW-04	VCSW /	RC	2		UT-70S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-A	PRESSURE RETAINING WELDS IN PRESSURE VESSELS						
ITEM NO.	C1.10	PRESSURE VESSEL SHELL CIRCUMFERENTIAL WELDS						
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments	
II-SG-001SGB-CSW-10	VCSW /	RC	2		UT-00			
II-SG-001SGB-CSW-10	VCSW /	RC	2		UT-45S			
II-SG-001SGB-CSW-10	VCSW /	RC	2		UT-60S			
II-SG-001SGB-CSW-10	VCSW /	RC	2		UT-70S			
II-SG-001SGC-CSW-03	VCSW /	RC	2		UT-00			
II-SG-001SGC-CSW-03	VCSW /	RC	2		UT-45S			
II-SG-001SGC-CSW-03	VCSW /	RC	2		UT-60S			
II-SG-001SGC-CSW-03	VCSW /	RC	2		UT-70S			
II-SG-001SGC-CSW-04	VCSW /	RC	2		UT-00			
II-SG-001SGC-CSW-04	VCSW /	RC	2		UT-45S			
II-SG-001SGC-CSW-04	VCSW /	RC	2		UT-60S			
II-SG-001SGC-CSW-04	VCSW /	RC	2		UT-70S			

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-A	PRESSURE RETAINING WELDS IN PRESSURE VESSELS					
ITEM NO.	C1.10	PRESSURE VESSEL SHELL CIRCUMFERENTIAL WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGC-CSW-10	VCSW /	RC	2		UT-00		
II-SG-001SGC-CSW-10	VCSW /	RC	2		UT-45S		
II-SG-001SGC-CSW-10	VCSW /	RC	2		UT-60S		
II-SG-001SGC-CSW-10	VCSW /	RC	2		UT-70S		

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CATEGORY	C-A	PRESSURE RETAINING WELDS IN PRESSURE VESSELS					
ITEM NO.	C1.20	PRESSURE VESSEL HEAD CIRCUMFERENTIAL WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-BIT-01STHW-01	VSTHW /	SI	2	2-2-10	UT-45S	2R2-005	
II-BIT-01STHW-02	VSTHW /	SI	2	2-2-10	UT-45S	2R2-005	
II-EL-001STHW-01	VSTHW /	CS	2	2-2-10	UT-45S	2R2-005	
II-EL-001STHW-03	VSTHW /	CS	2	2-2-10	UT-45S		
II-RHR-01RHRA-STHW-01A,B,C	VSTHW /	RH	2	2-2-10	UT-45S	2R2-005	Combination of exams II-RHR-01RHRA-STHW-01A, -01B, and -01C from Interval 1.
II-RHR-01RHRB-STHW-01A,B,C	VSTHW /	RH	2		UT-45S		Combination of exams II-RHR-01RHRB-STHW-01A, -01B, and -01C from Interval 1.
II-RHX-01CHTSW-01	VCHW /	CS	2		UT-45L		
II-RHX-01CHTSW-02	VCHW /	CS	2	2-3-12	UT-45L	2R2-005	Examine one (center) of the three in-series heat exchangers.
II-RHX-01CHTSW-03	VCHW /	CS	2		UT-45L		
II-RHX-01CHTSW-04	VCHW /	CS	2		UT-45L		
II-RHX-01CHTSW-05	VCHW /	CS	2	2-3-12	UT-45L	2R2-005	Examine one (center) of the three in-series heat exchangers.
II-RHX-01CHTSW-06	VCHW /	CS	2		UT-45L		

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CATEGORY	C-A	PRESSURE RETAINING WELDS IN PRESSURE VESSELS					
ITEM NO.	C1.20	PRESSURE VESSEL HEAD CIRCUMFERENTIAL WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGA-STHW-02A,B,C	VSTHW /	RC	2	2-1-08	UT-00		Combination of exams II-SG-001SGA-STHW-02A, -02B, and -02C from Interval 1.
II-SG-001SGA-STHW-02A,B,C	VSTHW /	RC	2	2-1-08	UT-45S		Combination of exams II-SG-001SGA-STHW-02A, -02B, and -02C from Interval 1.
II-SG-001SGA-STHW-02A,B,C	VSTHW /	RC	2	2-1-08	UT-60S		Combination of exams II-SG-001SGA-STHW-02A, -02B, and -02C from Interval 1.
II-SG-001SGA-STHW-02A,B,C	VSTHW /	RC	2	2-1-08	UT-70S		Combination of exams II-SG-001SGA-STHW-02A, -02B, and -02C from Interval 1.
II-SG-001SGB-STHW-02A,B,C	VSTHW /	RC	2		UT-00		Combination of exams II-SG-001SGB-STHW-02A, -02B, and -02C from Interval 1.
II-SG-001SGB-STHW-02A,B,C	VSTHW /	RC	2		UT-45S		Combination of exams II-SG-001SGB-STHW-02A, -02B, and -02C from Interval 1.
II-SG-001SGB-STHW-02A,B,C	VSTHW /	RC	2		UT-60S		Combination of exams II-SG-001SGB-STHW-02A, -02B, and -02C from Interval 1.
II-SG-001SGB-STHW-02A,B,C	VSTHW /	RC	2		UT-70S		Combination of exams II-SG-001SGB-STHW-02A, -02B, and -02C from Interval 1.
II-SG-001SGC-STHW-02A,B,C	VSTHW /	RC	2		UT-00		Combination of exams II-SG-001SGC-STHW-02A, -02B, and -02C from Interval 1.
II-SG-001SGC-STHW-02A,B,C	VSTHW /	RC	2		UT-45S		Combination of exams II-SG-001SGC-STHW-02A, -02B, and -02C from Interval 1.
II-SG-001SGC-STHW-02A,B,C	VSTHW /	RC	2		UT-60S		Combination of exams II-SG-001SGC-STHW-02A, -02B, and -02C from Interval 1.
II-SG-001SGC-STHW-02A,B,C	VSTHW /	RC	2		UT-70S		Combination of exams II-SG-001SGC-STHW-02A, -02B, and -02C from Interval 1.



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-A	PRESSURE RETAINING WELDS IN PRESSURE VESSELS					
ITEM NO.	C1.30	PRESSURE VESSEL TUBESHEET - TO - SHELL WELD					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RHX-01TSTSW-07	VTSTV /	CS	2		UT-45L		
II-RHX-01TSTSW-08	VTSTV /	CS	2	2-3-12	UT-45L	2R2-005	Examine one (center) of the three in-series heat exchangers.
II-RHX-01TSTSW-09	VTSTV /	CS	2		UT-45L		
II-RHX-01TSTSW-10	VTSTV /	CS	2		UT-45L		
II-RHX-01TSTSW-11	VTSTV /	CS	2	2-3-12	UT-45L	2R2-005	Examine one (center) of the three in-series heat exchangers.
II-RHX-01TSTSW-12	VTSTV /	CS	2		UT-45L		
II-SG-001SGA-TSTSW-09A,B,C	VTSTV /	RC	2	2-1-08	UT-00	2R2-005	Combination of exams II-SG-001SGA-TSTSW-09A, -09B, and -09C from Interval 1.
II-SG-001SGA-TSTSW-09A,B,C	VTSTV /	RC	2	2-1-08	UT-45L	2R2-005	Combination of exams II-SG-001SGA-TSTSW-09A, -09B, and -09C from Interval 1.
II-SG-001SGA-TSTSW-09A,B,C	VTSTV /	RC	2	2-1-08	UT-60S	2R2-005	Combination of exams II-SG-001SGA-TSTSW-09A, -09B, and -09C from Interval 1.
II-SG-001SGA-TSTSW-09A,B,C	VTSTV /	RC	2	2-1-08	UT-70S	2R2-005	Combination of exams II-SG-001SGA-TSTSW-09A, -09B, and -09C from Interval 1.

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-A	PRESSURE RETAINING WELDS IN PRESSURE VESSELS					
ITEM NO.	C1.30	PRESSURE VESSEL TUBESHEET - TO - SHELL WELD					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGB-TSTSW-09A,B,C	VTSTV /	RC	2		UT-00		Combination of exams II-SG-001SGB-TSTSW-09A, -09B, and -09C from Interval 1.
II-SG-001SGB-TSTSW-09A,B,C	VTSTV /	RC	2		UT-45S		Combination of exams II-SG-001SGB-TSTSW-09A, -09B, and -09C from Interval 1.
II-SG-001SGB-TSTSW-09A,B,C	VTSTV /	RC	2		UT-60S		Combination of exams II-SG-001SGB-TSTSW-09A, -09B, and -09C from Interval 1.
II-SG-001SGB-TSTSW-09A,B,C	VTSTV /	RC	2		UT-70S		Combination of exams II-SG-001SGB-TSTSW-09A, -09B, and -09C from Interval 1.
II-SG-001SGC-TSTSW-09A,B,C	VTSTV /	RC	2		UT-00		Combination of exams II-SG-001SGC-TSTSW-09A, -09B, and -09C from Interval 1.
II-SG-001SGC-TSTSW-09A,B,C	VTSTV /	RC	2		UT-45S		Combination of exams II-SG-001SGC-TSTSW-09A, -09B, and -09C from Interval 1.
II-SG-001SGC-TSTSW-09A,B,C	VTSTV /	RC	2		UT-60S		Combination of exams II-SG-001SGC-TSTSW-09A, -09B, and -09C from Interval 1.
II-SG-001SGC-TSTSW-09A,B,C	VTSTV /	RC	2		UT-70S		Combination of exams II-SG-001SGC-TSTSW-09A, -09B, and -09C from Interval 1.

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CATEGORY C-B PRESSURE RETAINING NOZZLE WELDS IN VESSELS
ITEM NO. C2.11 NOZZLE-TO-SHELL (OR HEAD) WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-B	PRESSURE RETAINING NOZZLE WELDS IN VESSELS					
ITEM NO.	C2.21	NOZZLES-TO-SHELL (OR HEAD) WELD					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-BIT-01NTHW-03	VNTVW /	SI	2	2-3-12	PT		
II-BIT-01NTHW-03	VNTVW /	SI	2	2-3-12	UT-45S	2R2-005	
II-BIT-01NTHW-04	VNTHW /	SI	2	2-3-12	PT		
II-BIT-01NTHW-04	VNTHW /	SI	2	2-3-12	UT-45S	2R2-005	
II-SG-001SGA-AFWNTSW-11	VNTVWI /	RC	2	2-2-10	MT		
II-SG-001SGA-AFWNTSW-11	VNTVWI /	RC	2	2-2-10	UT-00	2R2-005	
II-SG-001SGA-AFWNTSW-11	VNTVWI /	RC	2	2-2-10	UT-45S	2R2-005	
II-SG-001SGA-AFWNTSW-11	VNTVWI /	RC	2	2-2-10	UT-60S	2R2-005	
II-SG-001SGA-AFWNTSW-11	VNTVWI /	RC	2	2-2-10	UT-70S	2R2-005	

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CATEGORY	C-B	PRESSURE RETAINING NOZZLE WELDS IN VESSELS					
ITEM NO.	C2.21	NOZZLES-TO-SHELL (OR HEAD) WELD					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGA-FWNTSW-05	VNTWVI /	RC	2	2-2-10	MT		
II-SG-001SGA-FWNTSW-05	VNTWVI /	RC	2	2-2-10	UT-00	2R2-005	
II-SG-001SGA-FWNTSW-05	VNTWVI /	RC	2	2-2-10	UT-45S	2R2-005	
II-SG-001SGA-FWNTSW-05	VNTWVI /	RC	2	2-2-10	UT-60S	2R2-005	
II-SG-001SGA-FWNTSW-05	VNTWVI /	RC	2	2-2-10	UT-70S	2R2-005	
II-SG-001SGA-MSNTHW-01	VNTWV /	RC	2	2-3-12	MT		
II-SG-001SGA-MSNTHW-01	VNTWV /	RC	2	2-3-12	UT-00	2R2-005	
II-SG-001SGA-MSNTHW-01	VNTWV /	RC	2	2-3-12	UT-45S	2R2-005	
II-SG-001SGA-MSNTHW-01	VNTWV /	RC	2	2-3-12	UT-60S	2R2-005	
II-SG-001SGA-MSNTHW-01	VNTWV /	RC	2	2-3-12	UT-70S	2R2-005	

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CATEGORY	C-B	PRESSURE RETAINING NOZZLE WELDS IN VESSELS					
ITEM NO.	C2.21	NOZZLES-TO-SHELL (OR HEAD) WELD					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGB-AFWNTSW-11	VNTVWI /	RC	2		MT		
II-SG-001SGB-AFWNTSW-11	VNTVWI /	RC	2		UT-00		
II-SG-001SGB-AFWNTSW-11	VNTVWI /	RC	2		UT-45S		
II-SG-001SGB-AFWNTSW-11	VNTVWI /	RC	2		UT-60S		
II-SG-001SGB-AFWNTSW-11	VNTVWI /	RC	2		UT-70S		
II-SG-001SGB-FWNTSW-05	VNTVWI /	RC	2		MT		
II-SG-001SGB-FWNTSW-05	VNTVWI /	RC	2		UT-00		
II-SG-001SGB-FWNTSW-05	VNTVWI /	RC	2		UT-45S		
II-SG-001SGB-FWNTSW-05	VNTVWI /	RC	2		UT-60S		
II-SG-001SGB-FWNTSW-05	VNTVWI /	RC	2		UT-70S		

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CATEGORY	C-B	PRESSURE RETAINING NOZZLE WELDS IN VESSELS					
ITEM NO.	C2.21	NOZZLES-TO-SHELL (OR HEAD) WELD					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGB-MSNTHW-01	VNTWW /	RC	2		MT		
II-SG-001SGB-MSNTHW-01	VNTWW /	RC	2		UT-00		
II-SG-001SGB-MSNTHW-01	VNTWW /	RC	2		UT-45S		
II-SG-001SGB-MSNTHW-01	VNTWW /	RC	2		UT-60S		
II-SG-001SGB-MSNTHW-01	VNTWW /	RC	2		UT-70S		
II-SG-001SGC-AFWNTSW-11	VNTWWI /	RC	2		MT		
II-SG-001SGC-AFWNTSW-11	VNTWWI /	RC	2		UT-00		
II-SG-001SGC-AFWNTSW-11	VNTWWI /	RC	2		UT-45S		
II-SG-001SGC-AFWNTSW-11	VNTWWI /	RC	2		UT-60S		
II-SG-001SGC-AFWNTSW-11	VNTWWI /	RC	2		UT-70S		

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CATEGORY C-B
ITEM NO. C2.21

PRESSURE RETAINING NOZZLE WELDS IN VESSELS
NOZZLES-TO-SHELL (OR HEAD) WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SG-001SGC-FWNTSW-05	VNTVWI /	RC	2		MT		
II-SG-001SGC-FWNTSW-05	VNTVWI /	RC	2		UT-00		
II-SG-001SGC-FWNTSW-05	VNTVWI /	RC	2		UT-45S		
II-SG-001SGC-FWNTSW-05	VNTVWI /	RC	2		UT-60S		
II-SG-001SGC-FWNTSW-05	VNTVWI /	RC	2		UT-70S		
II-SG-001SGC-MSNTHW-01	VNTVW /	RC	2		MT		
II-SG-001SGC-MSNTHW-01	VNTVW /	RC	2		UT-00		
II-SG-001SGC-MSNTHW-01	VNTVW /	RC	2		UT-45S		
II-SG-001SGC-MSNTHW-01	VNTVW /	RC	2		UT-60S		
II-SG-001SGC-MSNTHW-01	VNTVW /	RC	2		UT-70S		

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CATEGORY	C-B	PRESSURE RETAINING NOZZLE WELDS IN VESSELS					
ITEM NO.	C2.22	NOZZLE INSIDE RADIUS SECTION IN VESSELS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-BIT-01NIRI-04	VNIR /	SI	2		UT-70S		No examination required per Figure IWC-2500-4 (nozzle is <12 NPS).
II-BIT-01NIRO-03	VNIR /	SI	2		UT-70S		No examination required per Figure IWC-2500-4 (nozzle is <12 NPS).
II-SG-001SGA-AFWNIR-11	VNIR /	RC	2	2-2-10	UT-70S		
II-SG-001SGA-FWNIR-05	VNIR /	RC	2	2-2-10	UT-70S		
II-SG-001SGA-MSNIR-15	VNIR /	RC	2		VOL	2R2-005	The Main Steam nozzle design does not have an inner radius and can not be inspected. See Relief Request 2R2-005.
II-SG-001SGB-AFWNIR-11	VNIR /	RC	2		UT-70S		
II-SG-001SGB-FWNIR-05	VNIR /	RC	2		UT-70S		
II-SG-001SGB-MSNIR-15	VNIR /	RC	2		VOL	2R2-005	The Main Steam nozzle design does not have an inner radius and can not be inspected. See Relief Request 2R2-005.
II-SG-001SGC-AFWNIR-11	VNIR /	RC	2		UT-70S		
II-SG-001SGC-FWNIR-05	VNIR /	RC	2		UT-70S		
II-SG-001SGC-MSNIR-15	VNIR /	RC	2		VOL	2R2-005	The Main Steam nozzle design does not have an inner radius and can not be inspected. See Relief Request 2R2-005.

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-B	PRESSURE RETAINING NOZZLE WELDS IN VESSELS					
ITEM NO.	C2.31	REINFORCING PLATE WELDS TO NOZZLE AND VESSEL					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RHR-01RHRA-SR-4A,B,C,D	VI,SR /	RH	2	2-1-08	PT		Combination of 4A, 4B, 4C and 4D (which are all one weld) from Interval 1.
II-RHR-01RHRA-SR-5A,B,C,D	VI,SR /	RH	2	2-1-08	PT		Combination of 5A, 5B, 5C and 5D (which are all one weld) from Interval 1.
II-RHR-01RHRB-SR-4A,B,C,D	VI,SR /	RH	2		PT		Combination of 4A, 4B, 4C and 4D (which are all one weld) from Interval 1.
II-RHR-01RHRB-SR-5A,B,C,D	VI,SR /	RH	2		PT		Combination of 5A, 5B, 5C and 5D (which are all one weld) from Interval 1.



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CATEGORY	C-B	PRESSURE RETAINING NOZZLE WELDS IN VESSELS					
ITEM NO.	C2.32	INSIDE OF VESSEL ACCESSIBLE, NOZZLE-TO-SHELL (OR HEAD) WELD					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RHR-01RHRA-NTSW-A	VNTVWI /	RH	2		VOL		Inaccessible due to reinforcing plate.
II-RHR-01RHRA-NTSW-B	VNTVWI /	RH	2		VOL		Inaccessible due to reinforcing plate.
II-RHR-01RHRB-NTSW-A	VNTVWI /	RH	2		VOL		Inaccessible due to reinforcing plate.
II-RHR-01RHRB-NTSW-B	VNTVWI /	RH	2		VOL		Inaccessible due to reinforcing plate.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-B	PRESSURE RETAINING NOZZLE WELDS IN VESSELS					
ITEM NO.	C2.33	INSIDE OF VESSEL INACCESSIBLE, NOZZLE-TO-SHELL (OR HEAD) WELD					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RHR-01RHRA-NTSW-A	VNTVWI /	RH	2	2-1-08	VT-2		
II-RHR-01RHRA-NTSW-A	VNTVWI /	RH	2	2-2-10	VT-2		
II-RHR-01RHRA-NTSW-A	VNTVWI /	RH	2	2-3-12	VT-2		
II-RHR-01RHRA-NTSW-B	VNTVWI /	RH	2	2-1-08	VT-2		
II-RHR-01RHRA-NTSW-B	VNTVWI /	RH	2	2-2-10	VT-2		
II-RHR-01RHRA-NTSW-B	VNTVWI /	RH	2	2-3-12	VT-2		
II-RHR-01RHRB-NTSW-A	VNTVWI /	RH	2		VT-2		
II-RHR-01RHRB-NTSW-A	VNTVWI /	RH	2		VT-2		
II-RHR-01RHRB-NTSW-A	VNTVWI /	RH	2		VT-2		
II-RHR-01RHRB-NTSW-B	VNTVWI /	RH	2		VT-2		
II-RHR-01RHRB-NTSW-B	VNTVWI /	RH	2		VT-2		
II-RHR-01RHRB-NTSW-B	VNTVWI /	RH	2		VT-2		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-C INTEGRAL ATTACHMENTS FOR VESSELS, PIPING, PUMPS, AND VALVES
ITEM NO. C3.10 PRESSURE VESSEL INTEGRALLY WELDED ATTACHMENTS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RHR-01RHRA-STVW-06A,B,C	VI,STV /	RH	2	2-2-10	PT		Combination of II-RHR-01RHRA-STVW-06A, -06B, and -06C from Interval 1.
II-RHR-01RHRB-STVW-06A,B,C	VI,STV /	RH	2		PT		Combination of II-RHR-01RHRB-STVW-06A, -06B, and -06C from Interval 1.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-C
ITEM NO. C3.20

INTEGRAL ATTACHMENTS FOR VESSELS, PIPING, PUMPS, AND VALVES
PIPING INTEGRALLY WELDED ATTACHMENTS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-010AF-H-0320I(8)	PC,PIP / PI,LUG	AF	2	2-3-12	MT		
II-AF-010AF-H-0328I(8)	PC,PIP / PI,LUG	AF	2	2-3-12	MT		
II-CS-021CS-H-0006I(2)	PC,PIP / PI,LUG	CS	2	2-1-09	PT		
II-CS-021CS-H-0011I(4)	PC,PIP / PI,LUG	CS	2	2-3-12	PT		
II-CT-002CT-H-0330I(4)	PC,PIP / PI,LUG	CT	2	2-1-09	PT		B-ROUNDED
II-CT-007CT-11-FW-33A	PC,PIP / PF,B	CT	2	2-2-11	PT		
II-CT-008CT-12-FW-48A	PC,PIP / PF,B	CT	2	2-2-11	PT		
II-CT-016CT-H-0095I(8)	PC,PIP / PI,LUG	CT	2	2-2-10	PT		
II-FMR-01FW-H-0106I(8)	PC,PIP / PI,LUG	FW	2	2-3-13	MT		
II-FMR-01FW-H-0211I(8)	PC,PIP / PI,LUG	FW	2	2-3-13	MT		
II-FMR-01FW-H-0212I(8)	PC,PIP / PI,LUG	FW	2	2-3-12	MT	2R2-001	
II-FMR-01MS-H-0005I(4)	PC,PIP / PI,LUG	MS	2	2-3-12	MT		
II-FMR-01MS-H-0006I(2)	PC,PIP / PI,TRU	MS	2	2-3-12	MT		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-C	INTEGRAL ATTACHMENTS FOR VESSELS, PIPING, PUMPS, AND VALVES					
ITEM NO.	C3.20	PIPING INTEGRALLY WELDED ATTACHMENTS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-02FW-H-0224I(1)	PC,PIP / PI,LUG	FW	2	2-2-10	MT		
II-FMR-02MS-H-0018I(8)	PC,PIP / PI,LUG	MS	2	2-2-11	MT		
II-FMR-02MS-H-0020I(5)	PC,PIP / PI,TRU	MS	2	2-2-10	MT		
II-FMR-03FW-H-0126I(8)	PC,PIP / PI,LUG	FW	2	2-1-08	MT		'C' 7/32" INDICATION ACCEPTABLE
II-FMR-03MS-H-0025I(4)	PC,PIP / PI,LUG	MS	2	2-1-09	MT		
II-FMR-03MS-H-0026I(2)	PC,PIP / PI,TRU	MS	2	2-2-10	MT		
II-RH-001RH-H-0014I(4)	PC,PIP / PI,LUG	RH	2	2-1-09	PT		
II-RH-001SI-1-FW-4A	PC,PIP / PF,B	SI	2	2-2-10	PT		
II-RH-002SI-2-FW-16A	PC,PIP / PF,B	SI	2	2-2-10	PT		
II-SI-024SI-H-0236I(2)	PC,PIP / PI,TRU	SI	2	2-1-09	PT		INDICATION ON TRUNION 'A'
II-SI-025SI-H-0254I(8)	PC,PIP / PI,TRU	SI	2	2-2-10	PT		WELD "E" 3/32" LINEAR AT TOP TOE OF FILLET



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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-C	INTEGRAL ATTACHMENTS FOR VESSELS, PIPING, PUMPS, AND VALVES					
ITEM NO.	C3.30	PUMP INTEGRALLY WELDED ATTACHMENTS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CSIP-1CSIP-A-WA1	TIFEET /	CS	2	2-3-12	PT	2R2-001	
II-CSIP-1CSIP-A-WA2	TIFEET /	CS	2	2-3-12	PT	2R2-001	
II-CSIP-1CSIP-A-WA3	TIFEET /	CS	2	2-3-12	PT	2R2-001	
II-CSIP-1CSIP-A-WA4	TIFEET /	CS	2	2-3-12	PT	2R2-001	
II-CSIP-1CSIP-B-WA1	TIFEET /	CS	2		PT		
II-CSIP-1CSIP-B-WA2	TIFEET /	CS	2		PT		
II-CSIP-1CSIP-B-WA3	TIFEET /	CS	2		PT		
II-CSIP-1CSIP-B-WA4	TIFEET /	CS	2		PT		
II-CSIP-1CSIP-C-WA1	TIFEET /	CS	2		PT		
II-CSIP-1CSIP-C-WA2	TIFEET /	CS	2		PT		
II-CSIP-1CSIP-C-WA3	TIFEET /	CS	2		PT		
II-CSIP-1CSIP-C-WA4	TIFEET /	CS	2		PT		
II-CTP-01CTP-A-A1	TIFEET /	CT	2	2-1-08	PT		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-C	INTEGRAL ATTACHMENTS FOR VESSELS, PIPING, PUMPS, AND VALVES					
ITEM NO.	C3.30	PUMP INTEGRALLY WELDED ATTACHMENTS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CTP-01CTP-A-A2	TIFEET /	CT	2	2-1-08	PT		
II-CTP-01CTP-A-A3	TIFEET /	CT	2	2-1-08	PT		
II-CTP-01CTP-B-A1	TIFEET /	CT	2		PT		
II-CTP-01CTP-B-A2	TIFEET /	CT	2		PT		
II-CTP-01CTP-B-A3	TIFEET /	CT	2		PT		
II-RHRP-1RHRP-A-WA1	TIFEET /	RH	2	2-2-10	PT		
II-RHRP-1RHRP-A-WA2	TIFEET /	RH	2	2-2-10	PT		
II-RHRP-1RHRP-A-WA3	TIFEET /	RH	2	2-2-10	PT		
II-RHRP-1RHRP-B-WA1	TIFEET /	RH	2		PT		
II-RHRP-1RHRP-B-WA2	TIFEET /	RH	2		PT		
II-RHRP-1RHRP-B-WA3	TIFEET /	RH	2		PT		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-C INTEGRAL ATTACHMENTS FOR VESSELS, PIPING, PUMPS, AND VALVES
ITEM NO. C3.40 VALVE INTEGRALLY WELDED ATTACHMENTS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-D PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER

ITEM NO. C4.10 PRESSURE VESSEL BOLTS AND STUDS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
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NONE	/						
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Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-D
ITEM NO. C4.20

PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
PIPING BOLTS AND STUDS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-D PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. C4.30 PUMP BOLTS AND STUDS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-D PRESSURE RETAINING BOLTS GREATER THAN TWO INCHES IN DIAMETER
ITEM NO. C4.40 VALVE BOLTS AND STUDS (> 2")

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-106CS-SW-C3	PC,PIP / PC,CAP	CS	2		PT		Delay Line.
II-CS-106CS-SW-C3	PC,PIP / PC,CAP	CS	2		UT-45S		Delay Line.
II-CS-106CS-SW-C4	PC,PIP / PC,CAP	CS	2	2-2-10	PT		Delay Line.
II-CS-106CS-SW-C4	PC,PIP / PC,CAP	CS	2	2-2-10	UT-45S		Delay Line.
II-CS-106CS-SW-C5	PC,PIP / PBC,W	CS	2		PT		Delay Line.
II-CS-106CS-SW-C5	PC,PIP / PBC,W	CS	2		UT-45S		Delay Line.
II-CS-106CS-SW-C6	PC,PIP / PBC,W	CS	2		PT		Delay Line.
II-CS-106CS-SW-C6	PC,PIP / PBC,W	CS	2		UT-45S		Delay Line.
II-CS-106CS-SW-C7	PC,PIP / PC,PIP	CS	2		PT		Delay Line.
II-CS-106CS-SW-C7	PC,PIP / PC,PIP	CS	2		UT-45S		Delay Line.
II-CT-007CT-11-FW-33	PC,VLV / PC,PIP	CT	2	2-1-08	PT		
II-CT-007CT-11-FW-33	PC,VLV / PC,PIP	CT	2	2-1-08	UT-45S		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-11-FW-52	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-11-FW-52	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-007CT-FW-23	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-FW-23	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-007CT-FW-24	PC,PIP / PC,VLV	CT	2		PT		
II-CT-007CT-FW-24	PC,PIP / PC,VLV	CT	2		UT-45S		
II-CT-007CT-FW-25	PC,VLV / PC,PIP	CT	2		PT		
II-CT-007CT-FW-25	PC,VLV / PC,PIP	CT	2		UT-45S		
II-CT-007CT-FW-26	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-FW-26	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-007CT-FW-27	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-FW-27	PC,PIP / PE,LR	CT	2		UT-45S		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-FW-28	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-FW-28	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-007CT-FW-29	PC,PIP / PC,VLV	CT	2		PT		
II-CT-007CT-FW-29	PC,PIP / PC,VLV	CT	2		UT-45S		
II-CT-007CT-FW-30	PC,VLV / PC,PIP	CT	2		PT		
II-CT-007CT-FW-30	PC,VLV / PC,PIP	CT	2		UT-45S		
II-CT-007CT-FW-31	PC,PIP / PC,PB	CT	2	2-3-13	PT		
II-CT-007CT-FW-31	PC,PIP / PC,PB	CT	2	2-3-13	UT-45S		
II-CT-007CT-FW-32	PC,PB / PC,VLV	CT	2	2-1-08	PT		
II-CT-007CT-FW-32	PC,PB / PC,VLV	CT	2	2-1-08	UT-45S		
II-CT-007CT-FW-35	PC,PIP / PBCC,T	CT	2		PT		
II-CT-007CT-FW-35	PC,PIP / PBCC,T	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-FW-36	PE,RED / PC,PUM	CT	2	2-2-11	PT		
II-CT-007CT-FW-36	PE,RED / PC,PUM	CT	2	2-2-11	UT-45S		
II-CT-007CT-FW-37	PC,SDF / PC,RED	CT	2		PT		
II-CT-007CT-FW-37	PC,SDF / PC,RED	CT	2		UT-45S		
II-CT-007CT-FW-53	PC,PIP / PC,PIP	CT	2	2-3-13	PT		
II-CT-007CT-FW-53	PC,PIP / PC,PIP	CT	2	2-3-13	UT-45S		
II-CT-007CT-FW-54	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-FW-54	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-FW-55	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-FW-55	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-FW-56	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-FW-56	PE,LR / PC,PIP	CT	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-FW-80	VNOZ1 / PC,PIP	CT	2	2-3-13	PT		
II-CT-007CT-FW-80	VNOZ1 / PC,PIP	CT	2	2-3-13	UT-45S		
II-CT-007CT-FW-82	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-FW-82	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-007CT-FW-83	PC,PIP / PE,SR	CT	2		PT		
II-CT-007CT-FW-83	PC,PIP / PE,SR	CT	2		UT-45S		
II-CT-007CT-FW-84	PC,PIP / PE,SR	CT	2		PT		
II-CT-007CT-FW-84	PC,PIP / PE,SR	CT	2		UT-45S		
II-CT-007CT-FW-85	PC,PIP / PE,SR	CT	2		PT		
II-CT-007CT-FW-85	PC,PIP / PE,SR	CT	2		UT-45S		
II-CT-007CT-FW-86	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-FW-86	PC,PIP / PC,PIP	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-FW-87	PBCC,T / PC,PIP	CT	2		PT		
II-CT-007CT-FW-87	PBCC,T / PC,PIP	CT	2		UT-45S		
II-CT-007CT-FW-88	PC,RED / PC,PIP	CT	2	2-3-13	PT		
II-CT-007CT-FW-88	PC,RED / PC,PIP	CT	2	2-3-13	UT-45S		
II-CT-007CT-FW-89	PC,PIP / PBCC,T	CT	2		PT		
II-CT-007CT-FW-89	PC,PIP / PBCC,T	CT	2		UT-45S		
II-CT-007CT-SW-A3	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-SW-A3	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-007CT-SW-A4	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-A4	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-B3	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-SW-B3	PC,PIP / PE,LR	CT	2		UT-45S		

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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.11	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-B4	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-B4	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-C3	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-C3	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-C4	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-SW-C4	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-007CT-SW-C5	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-C5	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-D3	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-D3	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-D4	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-SW-D4	PC,PIP / PC,PIP	CT	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-E3	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-E3	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-E4	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-SW-E4	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-007CT-SW-E5	PE,LR / PE,LR	CT	2		PT		
II-CT-007CT-SW-E5	PE,LR / PE,LR	CT	2		UT-45S		
II-CT-007CT-SW-E6	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-E6	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-E7	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-SW-E7	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-007CT-SW-E8	PE,LR-P / ,PIPE	CT	2		PT		
II-CT-007CT-SW-E8	PE,LR-P / ,PIPE	CT	2		UT-45S		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-F3	PC,PIP / PE,RED	CT	2	2-2-11	PT		
II-CT-007CT-SW-F3	PC,PIP / PE,RED	CT	2	2-2-11	UT-45S		
II-CT-007CT-SW-F4	PBCC,T / PC,PIP	CT	2	2-3-13	PT		
II-CT-007CT-SW-F4	PBCC,T / PC,PIP	CT	2	2-3-13	UT-45S		
II-CT-007CT-SW-F5	PC,PIP / PBCC,T	CT	2		PT		
II-CT-007CT-SW-F5	PC,PIP / PBCC,T	CT	2		UT-45S		
II-CT-007CT-SW-F6	PBCC,T / PC,PIP	CT	2		PT		
II-CT-007CT-SW-F6	PBCC,T / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-F7	PBCC,T / PF,RFW	CT	2		PT		
II-CT-007CT-SW-F7	PBCC,T / PF,RFW	CT	2		UT-45S		
II-CT-007CT-SW-F8	PC,PIP / PBCC,T	CT	2		PT		
II-CT-007CT-SW-F8	PC,PIP / PBCC,T	CT	2		UT-45S		

Carolina Power and Light Company
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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-I3	PC,RED / PC,PIP	CT	2		PT		
II-CT-007CT-SW-I3	PC,RED / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-I5	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-SW-I5	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-J12	PE,SR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-J12	PE,SR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-J3	PC,PIP / PE,SR	CT	2		PT		
II-CT-007CT-SW-J3	PC,PIP / PE,SR	CT	2		UT-45S		
II-CT-007CT-SW-K3	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-SW-K3	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-007CT-SW-K4	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-K4	PE,LR / PC,PIP	CT	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-L3	PE,SR / PC,PIP	CT	2	2-2-11	PT		
II-CT-007CT-SW-L3	PE,SR / PC,PIP	CT	2	2-2-11	UT-45S		
II-CT-007CT-SW-M3	PE,SR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-M3	PE,SR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-M4	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-SW-M4	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-N19	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-SW-N19	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-N5	PE,SR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-N5	PE,SR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-O20	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-SW-O20	PC,PIP / PC,PIP	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-O25	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-SW-O25	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-O28	PBCC,T / PC,PIP	CT	2		PT		
II-CT-007CT-SW-O28	PBCC,T / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-O6	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-SW-O6	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-O7	PC,PIP / PBCC,T	CT	2		PT		
II-CT-007CT-SW-O7	PC,PIP / PBCC,T	CT	2		UT-45S		
II-CT-007CT-SW-P20	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-SW-P20	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-P23	PBCC,T / PC,PIP	CT	2	2-3-13	PT		
II-CT-007CT-SW-P23	PBCC,T / PC,PIP	CT	2	2-3-13	UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-P3	PC,PIP / PBCC,T	CT	2		PT		
II-CT-007CT-SW-P3	PC,PIP / PBCC,T	CT	2		UT-45S		
II-CT-007CT-SW-P4	PBCC,T / PC,PIP	CT	2		PT		
II-CT-007CT-SW-P4	PBCC,T / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-P5	PC,PIP / PC,RED	CT	2		PT		
II-CT-007CT-SW-P5	PC,PIP / PC,RED	CT	2		UT-45S		
II-CT-007CT-SW-P7	PC,PIP / PBC,S	CT	2		PT		
II-CT-007CT-SW-P7	PC,PIP / PBC,S	CT	2		UT-45S		
II-CT-007CT-SW-Q12	PC,PIP / PC,PIP	CT	2	2-2-11	PT		
II-CT-007CT-SW-Q12	PC,PIP / PC,PIP	CT	2	2-2-11	UT-45S		
II-CT-007CT-SW-Q13	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-SW-Q13	PC,PIP / PC,PIP	CT	2		UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-Q3	PC,PIP / PC,PIP	CT	2		PT		
II-CT-007CT-SW-Q3	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-R3	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-SW-R3	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-007CT-SW-S3	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-SW-S3	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-007CT-SW-T3	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-SW-T3	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-007CT-SW-T4	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-T4	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-T5	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-SW-T5	PC,PIP / PE,LR	CT	2		UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.11	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-T6	PE,LR / PC,PIP	CT	2		PT		
II-CT-007CT-SW-T6	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-007CT-SW-T7	PC,PIP / PE,LR	CT	2		PT		
II-CT-007CT-SW-T7	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-008CT-12-4-SW-5	PC,PIP / PC,PIP	CT	2		PT		
II-CT-008CT-12-4-SW-5	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-008CT-12-5-SW-1	PE,LR / PE,LR	CT	2	2-2-11	PT		
II-CT-008CT-12-5-SW-1	PE,LR / PE,LR	CT	2	2-2-11	UT-45S		
II-CT-008CT-12-5-SW-2	PE,LR / PC,PIP	CT	2		PT		
II-CT-008CT-12-5-SW-2	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-008CT-12-9-SW-2	PBCC,T / PC,PIP	CT	2		PT		
II-CT-008CT-12-9-SW-2	PBCC,T / PC,PIP	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-12-9-SW-3	PC,PIP / PE,RED	CT	2		PT		
II-CT-008CT-12-9-SW-3	PC,PIP / PE,RED	CT	2		UT-45S		
II-CT-008CT-12-FW-48	PC,VLV / PC,PIP	CT	2		PT		
II-CT-008CT-12-FW-48	PC,VLV / PC,PIP	CT	2		UT-45S		
II-CT-008CT-12-FW-55	PC,PIP / PC,VLV	CT	2		PT		
II-CT-008CT-12-FW-55	PC,PIP / PC,VLV	CT	2		UT-45S		
II-CT-008CT-12-FW-62	PC,PIP / PC,PIP	CT	2		PT		
II-CT-008CT-12-FW-62	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-008CT-15-1-SW-1	PC,PIP / PC,PIP	CT	2		PT		
II-CT-008CT-15-1-SW-1	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-008CT-15-1-SW-2	PC,PIP / PC,PIP	CT	2		PT		
II-CT-008CT-15-1-SW-2	PC,PIP / PC,PIP	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.11	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-15-1-SW-3	PE,LR / PC,PIP	CT	2		PT		
II-CT-008CT-15-1-SW-3	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-008CT-FW-38	PC,PIP / PC,PIP	CT	2		PT		
II-CT-008CT-FW-38	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-008CT-FW-39	PC,PIP / PC,VLV	CT	2		PT		
II-CT-008CT-FW-39	PC,PIP / PC,VLV	CT	2		UT-45S		
II-CT-008CT-FW-40	PC,VLV / PC,PIP	CT	2		PT		
II-CT-008CT-FW-40	PC,VLV / PC,PIP	CT	2		UT-45S		
II-CT-008CT-FW-41	PC,PIP / PE,LR	CT	2		PT		
II-CT-008CT-FW-41	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-008CT-FW-42	PE,LR / PC,PIP	CT	2		PT		
II-CT-008CT-FW-42	PE,LR / PC,PIP	CT	2		UT-45S		

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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.11	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-FW-43	PC,PIP / PE,LR	CT	2		PT		
II-CT-008CT-FW-43	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-008CT-FW-45	PC,VLV / PC,PIP	CT	2	2-3-13	PT		
II-CT-008CT-FW-45	PC,VLV / PC,PIP	CT	2	2-3-13	UT-45S		
II-CT-008CT-FW-46	PC,PIP / PC,PB	CT	2		PT		
II-CT-008CT-FW-46	PC,PIP / PC,PB	CT	2		UT-45S		
II-CT-008CT-FW-47	PC,PIP / PC,VLV	CT	2		PT		
II-CT-008CT-FW-47	PC,PIP / PC,VLV	CT	2		UT-45S		
II-CT-008CT-FW-50	PC,PIP / PBCC,T	CT	2		PT		
II-CT-008CT-FW-50	PC,PIP / PBCC,T	CT	2		UT-45S		
II-CT-008CT-FW-51	PE,RED / PC,NOZ	CT	2		PT		
II-CT-008CT-FW-51	PE,RED / PC,NOZ	CT	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-FW-52A	PC,SDF / PC,RED	CT	2		PT		
II-CT-008CT-FW-52A	PC,SDF / PC,RED	CT	2		UT-45S		
II-CT-008CT-FW-58	PC,PIP / PC,PIP	CT	2		PT		
II-CT-008CT-FW-58	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-008CT-FW-60	PC,PIP / PE,LR	CT	2		PT		
II-CT-008CT-FW-60	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-008CT-FW-63	PC,PIP / PE,LR	CT	2		PT		
II-CT-008CT-FW-63	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-008CT-SW-A3	PC,PIP / PE,LR	CT	2		PT		
II-CT-008CT-SW-A3	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-008CT-SW-A4	PE,LR / PC,PIP	CT	2		PT		
II-CT-008CT-SW-A4	PE,LR / PC,PIP	CT	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-SW-B3	PC,PIP / PE,LR	CT	2		PT		
II-CT-008CT-SW-B3	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-008CT-SW-B4	PE,LR / PC,PIP	CT	2		PT		
II-CT-008CT-SW-B4	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-008CT-SW-C3	PE,LR / PC,PIP	CT	2		PT		
II-CT-008CT-SW-C3	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-008CT-SW-C4	PC,PIP / PC,PIP	CT	2		PT		
II-CT-008CT-SW-C4	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-008CT-SW-C5	PC,PIP / PE,LR	CT	2		PT		
II-CT-008CT-SW-C5	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-008CT-SW-D18	PC,PIP / PC,PIP	CT	2		PT		
II-CT-008CT-SW-D18	PC,PIP / PC,PIP	CT	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-SW-D3	PC,PIP / PE,LR	CT	2		PT		
II-CT-008CT-SW-D3	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-008CT-SW-D4	PE,LR / PC,PIP	CT	2		PT		
II-CT-008CT-SW-D4	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-008CT-SW-D5	PC,PIP / PC,PIP	CT	2		PT		
II-CT-008CT-SW-D5	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-008CT-SW-E3	PE,LR / PC,PIP	CT	2		PT		
II-CT-008CT-SW-E3	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-008CT-SW-E4	PC,PIP / PE,LR	CT	2		PT		
II-CT-008CT-SW-E4	PC,PIP / PE,LR	CT	2		UT-45S		
II-CT-008CT-SW-E7	PC,PIP / PE,LR	CT	2		PT		
II-CT-008CT-SW-E7	PC,PIP / PE,LR	CT	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-SW-E8	PE,LR / PC,PIP	CT	2	2-2-11	PT		
II-CT-008CT-SW-E8	PE,LR / PC,PIP	CT	2	2-2-11	UT-45S		
II-CT-008CT-SW-F5	PC,PIP / PBCC,T	CT	2		PT		
II-CT-008CT-SW-F5	PC,PIP / PBCC,T	CT	2		UT-45S		
II-CT-008CT-SW-F6	PBCC,T / PC,PIP	CT	2	2-1-08	PT		
II-CT-008CT-SW-F6	PBCC,T / PC,PIP	CT	2	2-1-08	UT-45S		
II-CT-008CT-SW-F7	PBCC,T / PC,TS	CT	2		PT		
II-CT-008CT-SW-F7	PBCC,T / PC,TS	CT	2		UT-45S		
II-CT-008CT-SW-F8	PC,PIP / PBCC,T	CT	2	2-3-13	PT		
II-CT-008CT-SW-F8	PC,PIP / PBCC,T	CT	2	2-3-13	UT-45S		
II-CT-008CT-SW-I3	PC,RED / PC,PIP	CT	2		PT		
II-CT-008CT-SW-I3	PC,RED / PC,PIP	CT	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-SW-J24	PC,PIP / PC,PIP	CT	2		PT		
II-CT-008CT-SW-J24	PC,PIP / PC,PIP	CT	2		UT-45S		
II-CT-008CT-SW-J28	PBCC,T / PC,PIP	CT	2	2-1-08	PT		
II-CT-008CT-SW-J28	PBCC,T / PC,PIP	CT	2	2-1-08	UT-45S		
II-CT-008CT-SW-J29	PBCC,T / PC,PIP	CT	2		PT		
II-CT-008CT-SW-J29	PBCC,T / PC,PIP	CT	2		UT-45S		
II-CT-008CT-SW-J3	PBCC,T / PC,PIP	CT	2		PT		
II-CT-008CT-SW-J3	PBCC,T / PC,PIP	CT	2		UT-45S		
II-CT-008CT-SW-J4	PC,PIP / PBCC,T	CT	2	2-1-08	PT		
II-CT-008CT-SW-J4	PC,PIP / PBCC,T	CT	2	2-1-08	UT-45S		
II-CT-008CT-SW-J5	PBCC,T / PC,PIP	CT	2		PT		
II-CT-008CT-SW-J5	PBCC,T / PC,PIP	CT	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-SW-J6	PC,PIP / PBCC,T	CT	2		PT		
II-CT-008CT-SW-J6	PC,PIP / PBCC,T	CT	2		UT-45S		
II-CT-008CT-SW-J7	PBCC,T / PC,RED	CT	2		PT		
II-CT-008CT-SW-J7	PBCC,T / PC,RED	CT	2		UT-45S		
II-CT-008CT-SW-L4	PE,LR / PC,PIP	CT	2		PT		
II-CT-008CT-SW-L4	PE,LR / PC,PIP	CT	2		UT-45S		
II-CT-008CT-SW-M3	PE,LR / PC,PIP	CT	2		PT		
II-CT-008CT-SW-M3	PE,LR / PC,PIP	CT	2		UT-45S		
II-RH-001CT-14-4-SW-1	PC,PIP / PC,PIP	CT	2		PT		
II-RH-001CT-14-4-SW-1	PC,PIP / PC,PIP	CT	2		UT-45S		
II-RH-001CT-14-4-SW-2	PC,PIP / PC,PIP	CT	2		PT		
II-RH-001CT-14-4-SW-2	PC,PIP / PC,PIP	CT	2		UT-45S		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001CT-14-4-SW-3	PC,PIP / PC,PIP	CT	2		PT		
II-RH-001CT-14-4-SW-3	PC,PIP / PC,PIP	CT	2		UT-45S		
II-RH-001CT-FW-57	PC,PIP / PC,VLV	CT	2	2-1-08	PT		
II-RH-001CT-FW-57	PC,PIP / PC,VLV	CT	2	2-1-08	UT-45S		
II-RH-001CT-SW-Q3	PE,LR / PC,PIP	CT	2		PT		
II-RH-001CT-SW-Q3	PE,LR / PC,PIP	CT	2		UT-45S		
II-RH-001CT-SW-Q4	PC,PIP / PE,LR	CT	2		PT		
II-RH-001CT-SW-Q4	PC,PIP / PE,LR	CT	2		UT-45S		
II-RH-001CT-SW-Q5	PE,LR / PC,PIP	CT	2		PT		
II-RH-001CT-SW-Q5	PE,LR / PC,PIP	CT	2		UT-45S		
II-RH-001CT-SW-Q6	PC,PIP / PE,LR	CT	2		PT		
II-RH-001CT-SW-Q6	PC,PIP / PE,LR	CT	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001CT-SW-Q7	PE,LR / PC,PIP	CT	2		PT		
II-RH-001CT-SW-Q7	PE,LR / PC,PIP	CT	2		UT-45S		
II-RH-001CT-SW-Q8	PC,PIP / PE,LR	CT	2		PT		
II-RH-001CT-SW-Q8	PC,PIP / PE,LR	CT	2		UT-45S		
II-RH-001RH-FW-8	PE,LR / VNOZ1	RH	2	2-1-08	PT		
II-RH-001RH-FW-8	PE,LR / VNOZ1	RH	2	2-1-08	UT-45S	2R2-003	
II-RH-001RH-SW-E3	PC,PIP / PE,LR	RH	2		PT		
II-RH-001RH-SW-E3	PC,PIP / PE,LR	RH	2		UT-45S		
II-RH-001RH-SW-E4	PBCC,T / PC,PIP	RH	2	2-1-08	PT		
II-RH-001RH-SW-E4	PBCC,T / PC,PIP	RH	2	2-1-08	UT-45S		
II-RH-001RH-SW-E5	PC,PIP / PBCC,T	RH	2		PT		
II-RH-001RH-SW-E5	PC,PIP / PBCC,T	RH	2		UT-45S		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001RH-SW-E6	PBCC,T / PC,PIP	RH	2		PT		
II-RH-001RH-SW-E6	PBCC,T / PC,PIP	RH	2		UT-45S		
II-RH-001RH-SW-E7	PC,PIP / PBCC,T	RH	2		PT		
II-RH-001RH-SW-E7	PC,PIP / PBCC,T	RH	2		UT-45S		
II-RH-001RH-SW-E8	PBCC,T / PF,WN	RH	2		PT		
II-RH-001RH-SW-E8	PBCC,T / PF,WN	RH	2		UT-45S		
II-RH-001SI-1-FW-15	PC,PIP / PC,PIP	SI	2		PT		
II-RH-001SI-1-FW-15	PC,PIP / PC,PIP	SI	2		UT-45S		
II-RH-001SI-1-FW-4	PC,VLV / PC,PIP	SI	2		PT		
II-RH-001SI-1-FW-4	PC,VLV / PC,PIP	SI	2		UT-45S		
II-RH-001SI-FW-10	PC,PIP / PC,VLV	SI	2		PT		
II-RH-001SI-FW-10	PC,PIP / PC,VLV	SI	2		UT-45S		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001SI-FW-11	PC,PIP / PC,VLV	SI	2		PT		
II-RH-001SI-FW-11	PC,PIP / PC,VLV	SI	2		UT-45S		
II-RH-001SI-FW-12	PC,VLV / PC,PIP	SI	2	2-2-11	PT		
II-RH-001SI-FW-12	PC,VLV / PC,PIP	SI	2	2-2-11	UT-45S		
II-RH-001SI-FW-1A	PC,SDF / PC,RED	SI	2		SUR		Inaccessible. Inside Penetration.
II-RH-001SI-FW-1A	PC,SDF / PC,RED	SI	2		UT-45S		Inaccessible. Inside Penetration.
II-RH-001SI-FW-2	PC,PIP / PC,PB	SI	2		PT		
II-RH-001SI-FW-2	PC,PIP / PC,PB	SI	2		UT-45S		
II-RH-001SI-FW-3	PC,PIP / PC,VLV	SI	2	2-1-09	PT		
II-RH-001SI-FW-3	PC,PIP / PC,VLV	SI	2	2-1-09	UT-45S		
II-RH-001SI-FW-6	PC,PIP / PE,LR	SI	2	2-1-09	PT		
II-RH-001SI-FW-6	PC,PIP / PE,LR	SI	2	2-1-09	UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001SI-FW-7	PC,PIP / PC,VLV	SI	2		PT		
II-RH-001SI-FW-7	PC,PIP / PC,VLV	SI	2		UT-45S		
II-RH-001SI-FW-8	PC,VLV / PC,PIP	SI	2		PT		
II-RH-001SI-FW-8	PC,VLV / PC,PIP	SI	2		UT-45S		
II-RH-001SI-FW-9	PBCC,T / PC,PIP	RH	2		PT		
II-RH-001SI-FW-9	PBCC,T / PC,PIP	RH	2		UT-45S		
II-RH-001SI-SW-F3	PC,PIP / PE,LR	SI	2		PT		
II-RH-001SI-SW-F3	PC,PIP / PE,LR	SI	2		UT-45S		
II-RH-001SI-SW-F4	PE,LR / PC,PIP	SI	2	2-2-11	PT		
II-RH-001SI-SW-F4	PE,LR / PC,PIP	SI	2	2-2-11	UT-45S		
II-RH-001SI-SW-F5	PC,PIP / PBCC,T	SI	2		PT		
II-RH-001SI-SW-F5	PC,PIP / PBCC,T	SI	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.11	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001SI-SW-F6	PBCC,T / PC,PIP	SI	2		PT		
II-RH-001SI-SW-F6	PBCC,T / PC,PIP	SI	2		UT-45S		
II-RH-001SI-SW-G3	PE,LR / PC,PIP	SI	2		PT		
II-RH-001SI-SW-G3	PE,LR / PC,PIP	SI	2		UT-45S		
II-RH-001SI-SW-K3	PC,RED / PC,PIP	SI	2		PT		Inaccessible. Inside Penetration.
II-RH-001SI-SW-K3	PC,RED / PC,PIP	SI	2		UT-45S		Inaccessible. Inside Penetration.
II-RH-002CT-FW-61	PE,LR / PC,PIP	CT	2		PT		
II-RH-002CT-FW-61	PE,LR / PC,PIP	CT	2		UT-45S		
II-RH-002CT-FW-62	PC,PIP / PC,VLV	CT	2	2-3-13	PT		
II-RH-002CT-FW-62	PC,PIP / PC,VLV	CT	2	2-3-13	UT-45S		
II-RH-002CT-SW-P3	PE,LR / PC,PIP	CT	2		PT		
II-RH-002CT-SW-P3	PE,LR / PC,PIP	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002CT-SW-P4	PC,PIP / PE,LR	CT	2		PT		
II-RH-002CT-SW-P4	PC,PIP / PE,LR	CT	2		UT-45S		
II-RH-002CT-SW-P5	PE,LR / PC,PIP	CT	2		PT		
II-RH-002CT-SW-P5	PE,LR / PC,PIP	CT	2		UT-45S		
II-RH-002CT-SW-P6	PC,PIP / PE,LR	CT	2		PT		
II-RH-002CT-SW-P6	PC,PIP / PE,LR	CT	2		UT-45S		
II-RH-002CT-SW-P7	PE,LR / PC,PIP	CT	2		PT		
II-RH-002CT-SW-P7	PE,LR / PC,PIP	CT	2		UT-45S		
II-RH-002CT-SW-P8	PC,PIP / PE,LR	CT	2		PT		
II-RH-002CT-SW-P8	PC,PIP / PE,LR	CT	2		UT-45S		
II-RH-002CT-SW-Q22	PC,PIP / PC,PIP	CT	2		PT		
II-RH-002CT-SW-Q22	PC,PIP / PC,PIP	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002CT-SW-Q3	PE,LR / PC,PIP	CT	2		PT		
II-RH-002CT-SW-Q3	PE,LR / PC,PIP	CT	2		UT-45S		
II-RH-002CT-SW-Q4	PC,PIP / PE,LR	CT	2		PT		
II-RH-002CT-SW-Q4	PC,PIP / PE,LR	CT	2		UT-45S		
II-RH-002CT-SW-Q5	PE,LR / PC,PIP	CT	2		PT		
II-RH-002CT-SW-Q5	PE,LR / PC,PIP	CT	2		UT-45S		
II-RH-002CT-SW-Q6	PC,PIP / PC,PIP	CT	2		PT		
II-RH-002CT-SW-Q6	PC,PIP / PC,PIP	CT	2		UT-45S		
II-RH-002CT-SW-Q7	PC,PIP / PE,LR	CT	2		PT		
II-RH-002CT-SW-Q7	PC,PIP / PE,LR	CT	2		UT-45S		
II-RH-002RH-5-6-SW-1	PC,PIP / PBCC,T	RH	2		PT		
II-RH-002RH-5-6-SW-1	PC,PIP / PBCC,T	RH	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002RH-5-6-SW-2	PBCC,T / PC,PIP	RH	2		PT		
II-RH-002RH-5-6-SW-2	PBCC,T / PC,PIP	RH	2		UT-45S		
II-RH-002RH-5-6-SW-3	PC,PIP / PBCC,T	RH	2		PT		
II-RH-002RH-5-6-SW-3	PC,PIP / PBCC,T	RH	2		UT-45S		
II-RH-002RH-FW-21	PE,LR / VNOZ1	RH	2	2-3-13	PT		
II-RH-002RH-FW-21	PE,LR / VNOZ1	RH	2	2-3-13	UT-45S	2R2-003	
II-RH-002RH-SW-E3	PC,PIP / PE,LR	RH	2	2-2-11	PT		
II-RH-002RH-SW-E3	PC,PIP / PE,LR	RH	2	2-2-11	UT-45S		
II-RH-002RH-SW-E4	PBCC,T / PC,PIP	RH	2		PT		
II-RH-002RH-SW-E4	PBCC,T / PC,PIP	RH	2		UT-45S		
II-RH-002RH-SW-E5	PBCC,T / PC,TS	RH	2		PT		
II-RH-002RH-SW-E5	PBCC,T / PC,TS	RH	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002SI-2-FW-16	PC,VLV / PC,PIP	SI	2		PT		
II-RH-002SI-2-FW-16	PC,VLV / PC,PIP	SI	2		UT-45S		
II-RH-002SI-2-FW-31	PC,PIP / PC,PIP	SI	2		PT		
II-RH-002SI-2-FW-31	PC,PIP / PC,PIP	SI	2		UT-45S		
II-RH-002SI-FW-13A	PC,PIP / PC,SDF	SI	2		PT		Inaccessible. Inside Penetration.
II-RH-002SI-FW-13A	PC,PIP / PC,SDF	SI	2		UT-45S		Inaccessible. Inside Penetration.
II-RH-002SI-FW-14	PC,PIP / PC,PB	SI	2	2-2-10	PT		
II-RH-002SI-FW-14	PC,PIP / PC,PB	SI	2	2-2-10	UT-45S		
II-RH-002SI-FW-15	PC,PB / PC,VLV	SI	2		PT		
II-RH-002SI-FW-15	PC,PB / PC,VLV	SI	2		UT-45S		
II-RH-002SI-FW-18	PC,PIP / PE,LR	SI	2		PT		
II-RH-002SI-FW-18	PC,PIP / PE,LR	SI	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002SI-FW-19	PC,PIP / PC,VLV	SI	2	2-3-13	PT		
II-RH-002SI-FW-19	PC,PIP / PC,VLV	SI	2	2-3-13	UT-45S		
II-RH-002SI-FW-20	PC,VLV / PC,PIP	SI	2		PT		
II-RH-002SI-FW-20	PC,VLV / PC,PIP	SI	2		UT-45S		
II-RH-002SI-FW-21	PBCC,T / PC,PIP	RH	2	2-2-10	PT		
II-RH-002SI-FW-21	PBCC,T / PC,PIP	RH	2	2-2-10	UT-45S	2R2-003	
II-RH-002SI-FW-22	PC,VLV / PC,PIP	SI	2		PT		
II-RH-002SI-FW-22	PC,VLV / PC,PIP	SI	2		UT-45S		
II-RH-002SI-FW-23	PC,PIP / PC,VLV	SI	2	2-2-10	PT		
II-RH-002SI-FW-23	PC,PIP / PC,VLV	SI	2	2-2-10	UT-45S		
II-RH-002SI-FW-24	PC,VLV / PC,PIP	SI	2		PT		
II-RH-002SI-FW-24	PC,VLV / PC,PIP	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002SI-SW-F3	PC,PIP / PE,LR	SI	2		PT		
II-RH-002SI-SW-F3	PC,PIP / PE,LR	SI	2		UT-45S		
II-RH-002SI-SW-F4	PE,LR / PC,PIP	SI	2		PT		
II-RH-002SI-SW-F4	PE,LR / PC,PIP	SI	2		UT-45S		
II-RH-002SI-SW-F5	PC,PIP / PBCC,T	SI	2		PT		
II-RH-002SI-SW-F5	PC,PIP / PBCC,T	SI	2		UT-45S		
II-RH-002SI-SW-F6	PC,PIP / PBCC,T	SI	2		PT		
II-RH-002SI-SW-F6	PC,PIP / PBCC,T	SI	2		UT-45S		
II-RH-002SI-SW-G3	PE,LR / PC,PIP	SI	2		PT		
II-RH-002SI-SW-G3	PE,LR / PC,PIP	SI	2		UT-45S		
II-RH-002SI-SW-K3	PC,RED / PC,PIP	SI	2		PT		Inaccessible. Inside Penetration.
II-RH-002SI-SW-K3	PC,RED / PC,PIP	SI	2		UT-45S		Inaccessible. Inside Penetration.

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002SI-SW-K5	PC,PIP / PC,PIP	SI	2		PT		Inaccessible. Inside Penetration.
II-RH-002SI-SW-K5	PC,PIP / PC,PIP	SI	2		UT-45S		Inaccessible. Inside Penetration.
II-SI-008SI-FW-449	PC,PIP / PP,FHS	SI	2		PT		
II-SI-008SI-FW-449	PC,PIP / PP,FHS	SI	2		UT-60S		
II-SI-008SI-FW-450	PC,VLV / PC,PIP	SI	2	2-3-13	PT		
II-SI-008SI-FW-450	PC,VLV / PC,PIP	SI	2	2-3-13	UT-45S	2R2-003	
II-SI-008SI-FW-450	PC,VLV / PC,PIP	SI	2	2-3-13	UT-60S	2R2-003	
II-SI-008SI-FW-456	PC,PIP / PP,FHS	SI	2	2-1-08	PT		
II-SI-008SI-FW-456	PC,PIP / PP,FHS	SI	2	2-1-08	UT-60S		
II-SI-008SI-FW-457	PC,VLV / PC,PIP	SI	2		PT		
II-SI-008SI-FW-457	PC,VLV / PC,PIP	SI	2		UT-60S		
II-SI-008SI-SW-A3	PE,LR / PC,PIP	SI	2		PT		
II-SI-008SI-SW-A3	PE,LR / PC,PIP	SI	2		UT-60S		

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CATEGORY C-F-1 - PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-008SI-SW-A4	PC,PIP / PE,LR	SI	2		PT		
II-SI-008SI-SW-A4	PC,PIP / PE,LR	SI	2		UT-60S		
II-SI-008SI-SW-J3	PC,PIP / PE,LR	SI	2		PT		
II-SI-008SI-SW-J3	PC,PIP / PE,LR	SI	2		UT-60S		
II-SI-008SI-SW-J4	PE,LR / PC,PIP	SI	2		PT		
II-SI-008SI-SW-J4	PE,LR / PC,PIP	SI	2		UT-60S		
II-SI-009SI-FW-279	PC,VLV / PC,PIP	SI	2		PT		
II-SI-009SI-FW-279	PC,VLV / PC,PIP	SI	2		UT-50S		
II-SI-009SI-FW-280	PC,PIP / PP,FHS	SI	2	2-2-11	PT		
II-SI-009SI-FW-280	PC,PIP / PP,FHS	SI	2	2-2-11	UT-50S		
II-SI-021SI-FW-555	VNOZ1 / PC,PIP	SI	2	2-1-09	PT		
II-SI-021SI-FW-555	VNOZ1 / PC,PIP	SI	2	2-1-09	UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-021SI-FW-556	PC,PIP / PC,VLV	SI	2		PT		
II-SI-021SI-FW-556	PC,PIP / PC,VLV	SI	2		UT-45S		
II-SI-021SI-FW-557	PC,VLV / PC,PIP	SI	2	2-1-09	PT		
II-SI-021SI-FW-557	PC,VLV / PC,PIP	SI	2	2-1-09	UT-50S		
II-SI-021SI-FW-558	PC,PIP / PC,VLV	SI	2		PT		
II-SI-021SI-FW-558	PC,PIP / PC,VLV	SI	2		UT-50S		
II-SI-021SI-SW-A3	PE,LR / PC,PIP	SI	2		PT		
II-SI-021SI-SW-A3	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-021SI-SW-A4	PC,PIP / PE,LR	SI	2		PT		
II-SI-021SI-SW-A4	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-021SI-SW-A5	PE,LR / PC,PIP	SI	2		PT		
II-SI-021SI-SW-A5	PE,LR / PC,PIP	SI	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-021SI-SW-A6	PC,PIP / PE,LR	SI	2		PT		
II-SI-021SI-SW-A6	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-021SI-SW-B3	PC,PIP / PE,LR	SI	2		PT		
II-SI-021SI-SW-B3	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-021SI-SW-B4	PE,LR / PC,PIP	SI	2		PT		
II-SI-021SI-SW-B4	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-022SI-FW-559	PC,PB / PC,VLV	SI	2		PT		
II-SI-022SI-FW-559	PC,PB / PC,VLV	SI	2		UT-53S		
II-SI-022SI-FW-564	PC,VLV / PC,PIP	SI	2		PT		
II-SI-022SI-FW-564	PC,VLV / PC,PIP	SI	2		UT-53S		
II-SI-022SI-FW-565	PC,PIP / PC,VLV	SI	2		PT		
II-SI-022SI-FW-565	PC,PIP / PC,VLV	SI	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-022SI-FW-566	VNOZ1 / PC,PIP	SI	2	2-2-11	PT		
II-SI-022SI-FW-566	VNOZ1 / PC,PIP	SI	2	2-2-11	UT-45S		
II-SI-022SI-SW-A3	PE,LR / PC,PIP	SI	2		PT		
II-SI-022SI-SW-A3	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-022SI-SW-A4	PC,PIP / PE,LR	SI	2		PT		
II-SI-022SI-SW-A4	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-022SI-SW-A5	PE,LR / PC,PIP	SI	2		PT		
II-SI-022SI-SW-A5	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-022SI-SW-A6	PC,PIP / PE,LR	SI	2	2-2-10	PT		
II-SI-022SI-SW-A6	PC,PIP / PE,LR	SI	2	2-2-10	UT-45S		
II-SI-022SI-SW-A9	PC,PIP / PC,PIP	SI	2		PT		
II-SI-022SI-SW-A9	PC,PIP / PC,PIP	SI	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-022SI-SW-B10	PC,PIP / PC,PB	SI	2		PT		
II-SI-022SI-SW-B10	PC,PIP / PC,PB	SI	2		UT-53S		
II-SI-022SI-SW-B3	PC,PIP / PE,LR	SI	2	2-2-10	PT		
II-SI-022SI-SW-B3	PC,PIP / PE,LR	SI	2	2-2-10	UT-53S		
II-SI-022SI-SW-B4	PE,LR / PC,PIP	SI	2		PT		
II-SI-022SI-SW-B4	PE,LR / PC,PIP	SI	2		UT-53S		
II-SI-023SI-170-1-SW-1	PE,LR / PC,PIP	SI	2	2-2-11	PT		
II-SI-023SI-170-1-SW-1	PE,LR / PC,PIP	SI	2	2-2-11	UT-45S		
II-SI-023SI-FW-560	VNOZ1 / PE,LR	SI	2		PT		
II-SI-023SI-FW-560	VNOZ1 / PE,LR	SI	2		UT-45S		
II-SI-023SI-FW-561	PC,PIP / PC,VLV	SI	2	2-2-11	PT		
II-SI-023SI-FW-561	PC,PIP / PC,VLV	SI	2	2-2-11	UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-023SI-FW-562	PC,VLV / PC,PIP	SI	2		PT		
II-SI-023SI-FW-562	PC,VLV / PC,PIP	SI	2		UT-53S		
II-SI-023SI-FW-563	PC,PIP / PC,VLV	SI	2		PT		
II-SI-023SI-FW-563	PC,PIP / PC,VLV	SI	2		UT-50S		
II-SI-023SI-SW-A3	PE,LR / PC,PIP	SI	2		PT		
II-SI-023SI-SW-A3	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-023SI-SW-A4	PC,PIP / PE,LR	SI	2	2-2-11	PT		
II-SI-023SI-SW-A4	PC,PIP / PE,LR	SI	2	2-2-11	UT-45S		
II-SI-023SI-SW-A6	PC,PIP / PE,LR	SI	2		PT		
II-SI-023SI-SW-A6	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-023SI-SW-A7	PE,LR / PC,PIP	SI	2		PT		
II-SI-023SI-SW-A7	PE,LR / PC,PIP	SI	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-023SI-SW-A9	PC,PIP / PC,PIP	SI	2		PT		
II-SI-023SI-SW-A9	PC,PIP / PC,PIP	SI	2		UT-45S		
II-SI-023SI-SW-B3	PE,LR / PC,PIP	SI	2	2-3-13	PT		
II-SI-023SI-SW-B3	PE,LR / PC,PIP	SI	2	2-3-13	UT-53S		
II-SI-023SI-SW-B4	PC,PIP / PE,LR	SI	2		PT		
II-SI-023SI-SW-B4	PC,PIP / PE,LR	SI	2		UT-53S		
II-SI-024SI-213-FW-573	PC,PB / PC,VLV	SI	2	2-1-09	PT		
II-SI-024SI-213-FW-573	PC,PB / PC,VLV	SI	2	2-1-09	UT-45S		
II-SI-024SI-FW-571	PC,PB / PE,LR	SI	2		PT		
II-SI-024SI-FW-571	PC,PB / PE,LR	SI	2		UT-45S		
II-SI-024SI-FW-572	PC,PIP / PC,PB	SI	2	2-2-11	PT		
II-SI-024SI-FW-572	PC,PIP / PC,PB	SI	2	2-2-11	UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.11	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-024SI-SW-D3	PE,LR / PC,PB	SI	2		PT		
II-SI-024SI-SW-D3	PE,LR / PC,PB	SI	2		UT-45S		
II-SI-024SI-SW-D4	PC,PIP / PE,LR	SI	2		PT		
II-SI-024SI-SW-D4	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-024SI-SW-D5	PE,LR / PC,PIP	SI	2		PT		
II-SI-024SI-SW-D5	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-024SI-SW-E5	PC,PB / PC,PB	SI	2		PT		
II-SI-024SI-SW-E5	PC,PB / PC,PB	SI	2		UT-45S		
II-SI-024SI-SW-F10	PC,PB / PC,PIP	SI	2		PT		
II-SI-024SI-SW-F10	PC,PB / PC,PIP	SI	2		UT-45S		
II-SI-024SI-SW-F6	PC,PIP / PC,PIP	SI	2		PT		
II-SI-024SI-SW-F6	PC,PIP / PC,PIP	SI	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-025SI-215-FW-573	PE,LR / PC,PB	SI	2		PT		
II-SI-025SI-215-FW-573	PE,LR / PC,PB	SI	2		UT-45S		
II-SI-025SI-FW-574	PC,VLV / PC,PIP	SI	2		PT		
II-SI-025SI-FW-574	PC,VLV / PC,PIP	SI	2		UT-60S		
II-SI-025SI-FW-575	PC,PIP / PC,VLV	SI	2		PT		
II-SI-025SI-FW-575	PC,PIP / PC,VLV	SI	2		UT-60S		
II-SI-025SI-FW-576	PP,FHS / PC,PIP	SI	2		PT		
II-SI-025SI-FW-576	PP,FHS / PC,PIP	SI	2		UT-60S		
II-SI-025SI-FW-577	PBCC,T / PC,PIP	SI	2		PT		
II-SI-025SI-FW-577	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-025SI-FW-578	PC,PB / PC,VLV	SI	2	2-3-13	PT		
II-SI-025SI-FW-578	PC,PB / PC,VLV	SI	2	2-3-13	UT-45S	2R2-003	



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-025SI-FW-579	PC,VLV / PC,PB	SI	2		PT		
II-SI-025SI-FW-579	PC,VLV / PC,PB	SI	2		UT-45S		
II-SI-025SI-FW-580	PC,VLV / PC,PIP	SI	2	2-3-13	PT		
II-SI-025SI-FW-580	PC,VLV / PC,PIP	SI	2	2-3-13	UT-45S	2R2-003	
II-SI-025SI-FW-583	PBCC,T / PC,PIP	SI	2	2-3-13	PT		
II-SI-025SI-FW-583	PBCC,T / PC,PIP	SI	2	2-3-13	UT-45S	2R2-003	
II-SI-025SI-FW-584	PC,PB / PC,VLV	SI	2		PT		
II-SI-025SI-FW-584	PC,PB / PC,VLV	SI	2		UT-45S		
II-SI-025SI-M13-PW-1	PP,FHS / NTERN	SI	2		PT		
II-SI-025SI-M13-PW-1	PP,FHS / NTERN	SI	2		UT-45S		
II-SI-025SI-SW-A3	PC,PIP / PE,LR	SI	2		PT		
II-SI-025SI-SW-A3	PC,PIP / PE,LR	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-025SI-SW-A4	PE,LR / PC,PIP	SI	2		PT		
II-SI-025SI-SW-A4	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-025SI-SW-A5	PC,PIP / PE,LR	SI	2		PT		
II-SI-025SI-SW-A5	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-025SI-SW-A6	PF,RW / PC,PIP	SI	2		PT		
II-SI-025SI-SW-A6	PF,RW / PC,PIP	SI	2		UT-45S		
II-SI-025SI-SW-B3	PC,PIP / PF,RFW	SI	2		PT		
II-SI-025SI-SW-B3	PC,PIP / PF,RFW	SI	2		UT-60S		
II-SI-025SI-SW-B4	PBCC,T / PC,PIP	SI	2		PT		
II-SI-025SI-SW-B4	PBCC,T / PC,PIP	SI	2		UT-60S		
II-SI-025SI-SW-B5	PC,PIP / PBCC,T	SI	2		PT		
II-SI-025SI-SW-B5	PC,PIP / PBCC,T	SI	2		UT-60S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-025SI-SW-D3	PC,PIP / PE,LR	SI	2	2-1-09	PT		
II-SI-025SI-SW-D3	PC,PIP / PE,LR	SI	2	2-1-09	UT-45S		
II-SI-025SI-SW-D4	PE,LR / PC,PIP	SI	2		PT		
II-SI-025SI-SW-D4	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-025SI-SW-D5	PC,PIP / PE,LR	SI	2		PT		
II-SI-025SI-SW-D5	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-025SI-SW-D6	PE,LR / PC,PIP	SI	2		PT		
II-SI-025SI-SW-D6	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-025SI-SW-D7	PC,PIP / PE,LR	SI	2		PT		
II-SI-025SI-SW-D7	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-025SI-SW-D8	PE,LR / PC,PB	SI	2		PT		
II-SI-025SI-SW-D8	PE,LR / PC,PB	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-025SI-SW-E3	PC,PB / PBCC,T	SI	2		PT		
II-SI-025SI-SW-E3	PC,PB / PBCC,T	SI	2		UT-45S		
II-SI-025SI-SW-E4	PC,PIP / PBCC,T	SI	2		PT		
II-SI-025SI-SW-E4	PC,PIP / PBCC,T	SI	2		UT-45S		
II-SI-025SI-SW-F3	PC,PIP / PE,LR	SI	2		PT		
II-SI-025SI-SW-F3	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-025SI-SW-F4	PE,LR / PC,PB	SI	2		PT		
II-SI-025SI-SW-F4	PE,LR / PC,PB	SI	2		UT-45S		
II-SI-025SI-SW-F5	PC,PB / PF,RFW	SI	2	2-2-11	PT		
II-SI-025SI-SW-F5	PC,PB / PF,RFW	SI	2	2-2-11	UT-45S	2R2-003	
II-SI-025SI-SW-G3	PF,RFW / PC,PB	SI	2		PT		
II-SI-025SI-SW-G3	PF,RFW / PC,PB	SI	2		UT-45S		

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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.11	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-026SI-FW-581	PC,PIP / PC,VLV	SI	2		PT		
II-SI-026SI-FW-581	PC,PIP / PC,VLV	SI	2		UT-45S		
II-SI-026SI-FW-582	PBCC,T / PC,PIP	SI	2	2-1-09	PT		
II-SI-026SI-FW-582	PBCC,T / PC,PIP	SI	2	2-1-09	UT-45S	2R2-003	
II-SI-026SI-FW-589	PE,LR / PC,PIP	SI	2		PT		
II-SI-026SI-FW-589	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-026SI-FW-590	PC,VLV / PC,PIP	SI	2		PT		
II-SI-026SI-FW-590	PC,VLV / PC,PIP	SI	2		UT-60S		
II-SI-026SI-FW-591	PC,PIP / PC,VLV	SI	2		PT		
II-SI-026SI-FW-591	PC,PIP / PC,VLV	SI	2		UT-60S		
II-SI-026SI-FW-592	PP,FHS / PC,PIP	SI	2	2-2-10	PT		
II-SI-026SI-FW-592	PP,FHS / PC,PIP	SI	2	2-2-10	UT-60S	2R2-003	



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-026SI-FW-593	PC,PB / PC,PB	SI	2		PT		
II-SI-026SI-FW-593	PC,PB / PC,PB	SI	2		UT-45S		
II-SI-026SI-FW-594	PC,PB / PC,VLV	SI	2		PT		
II-SI-026SI-FW-594	PC,PB / PC,VLV	SI	2		UT-45S		
II-SI-026SI-M14-PW-1	PP,FHS / NTERN	SI	2		PT		
II-SI-026SI-M14-PW-1	PP,FHS / NTERN	SI	2		UT-45S		
II-SI-026SI-SW-D6	PC,PB / PC,PB	SI	2		PT		
II-SI-026SI-SW-D6	PC,PB / PC,PB	SI	2		UT-45S		
II-SI-026SI-SW-E10	PC,PIP / PC,PB	SI	2		PT		
II-SI-026SI-SW-E10	PC,PIP / PC,PB	SI	2		UT-45S		
II-SI-026SI-SW-E5	PC,PB / PC,PB	SI	2		PT		
II-SI-026SI-SW-E5	PC,PB / PC,PB	SI	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-026SI-SW-F3	PC,PIP / PE,LR	SI	2	2-2-10	PT		
II-SI-026SI-SW-F3	PC,PIP / PE,LR	SI	2	2-2-10	UT-45S		
II-SI-026SI-SW-F4	PE,LR / PC,PIP	SI	2		PT		
II-SI-026SI-SW-F4	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-026SI-SW-F5	PC,PIP / PE,LR	SI	2		PT		
II-SI-026SI-SW-F5	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-026SI-SW-F6	PF,RED / PC,PIP	SI	2		PT		
II-SI-026SI-SW-F6	PF,RED / PC,PIP	SI	2		UT-45S		
II-SI-026SI-SW-G3	PC,PIP / PF,RED	SI	2		PT		
II-SI-026SI-SW-G3	PC,PIP / PF,RED	SI	2		UT-60S		
II-SI-026SI-SW-G4	PBCC,T / PC,PIP	SI	2		PT		
II-SI-026SI-SW-G4	PBCC,T / PC,PIP	SI	2		UT-60S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-026SI-SW-G5	PC,PIP / PBCC,T	SI	2		PT		
II-SI-026SI-SW-G5	PC,PIP / PBCC,T	SI	2		UT-60S		
II-SI-026SI-SW-H3	PE,LR / PC,PIP	SI	2		PT		
II-SI-026SI-SW-H3	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-026SI-SW-H4	PC,PIP / PE,LR	SI	2		PT		
II-SI-026SI-SW-H4	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-026SI-SW-H5	PE,LR / PC,PIP	SI	2		PT		
II-SI-026SI-SW-H5	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-026SI-SW-H6	PC,PIP / PE,LR	SI	2		PT		
II-SI-026SI-SW-H6	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-026SI-SW-H7	PE,LR / PC,PIP	SI	2		PT		
II-SI-026SI-SW-H7	PE,LR / PC,PIP	SI	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-026SI-SW-H8	PC,PIP / PE,LR	SI	2	2-2-10	PT		
II-SI-026SI-SW-H8	PC,PIP / PE,LR	SI	2	2-2-10	UT-45S		
II-SI-027SI-FW-606	PC,PB / PC,VLV	SI	2		PT		
II-SI-027SI-FW-606	PC,PB / PC,VLV	SI	2		UT-45S		
II-SI-027SI-FW-607	PC,RED / PC,PB	SI	2	2-1-09	PT		
II-SI-027SI-FW-607	PC,RED / PC,PB	SI	2	2-1-09	UT-45S		
II-SI-027SI-FW-607	PC,RED / PC,PB	SI	2	2-1-09	UT-60S		
II-SI-027SI-SW-F5	PC,PB / PC,PB	SI	2		PT		
II-SI-027SI-SW-F5	PC,PB / PC,PB	SI	2		UT-45S		
II-SI-027SI-SW-F6	PC,PB / PC,PB	SI	2		PT		
II-SI-027SI-SW-F6	PC,PB / PC,PB	SI	2		UT-45S		
II-SI-028SI-FW-608	PC,RED / PC,PIP	SI	2		PT		
II-SI-028SI-FW-608	PC,RED / PC,PIP	SI	2		UT-60S		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-028SI-FW-609	PP,FHS / PC,PIP	SI	2		PT		
II-SI-028SI-FW-609	PP,FHS / PC,PIP	SI	2		UT-60S		
II-SI-028SI-FW-610	PC,PB / PC,VLV	SI	2	2-2-11	PT		
II-SI-028SI-FW-610	PC,PB / PC,VLV	SI	2	2-2-11	UT-45S	2R2-003	
II-SI-028SI-M18-PW-1	PP,FHS / NTERN	SI	2		PT		
II-SI-028SI-M18-PW-1	PP,FHS / NTERN	SI	2		UT-45S		
II-SI-028SI-SW-A3	PC,PIP / PE,LR	SI	2	2-1-09	PT		
II-SI-028SI-SW-A3	PC,PIP / PE,LR	SI	2	2-1-09	UT-60S		
II-SI-028SI-SW-A4	PE,LR / PC,PIP	SI	2	2-3-13	PT		
II-SI-028SI-SW-A4	PE,LR / PC,PIP	SI	2	2-3-13	UT-60S		
II-SI-028SI-SW-A5	PC,PIP / PBCC,T	SI	2		PT		
II-SI-028SI-SW-A5	PC,PIP / PBCC,T	SI	2		UT-60S		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-028SI-SW-A6	PBCC,T / PC,PIP	SI	2		PT		
II-SI-028SI-SW-A6	PBCC,T / PC,PIP	SI	2		UT-60S		
II-SI-028SI-SW-A7	PC,PIP / PC,RED	SI	2		PT		
II-SI-028SI-SW-A7	PC,PIP / PC,RED	SI	2		UT-60S		
II-SI-028SI-SW-A8	PBCC,T / PC,PIP	SI	2		PT		
II-SI-028SI-SW-A8	PBCC,T / PC,PIP	SI	2		UT-60S		
II-SI-028SI-SW-A9	PC,PIP / PC,RED	SI	2		PT		
II-SI-028SI-SW-A9	PC,PIP / PC,RED	SI	2		UT-60S		
II-SI-028SI-SW-B3	PC,PB / PC,PB	SI	2	2-2-11	PT		
II-SI-028SI-SW-B3	PC,PB / PC,PB	SI	2	2-2-11	UT-45S		
II-SI-028SI-SW-B6	PC,PB / PC,PB	SI	2		PT		
II-SI-028SI-SW-B6	PC,PB / PC,PB	SI	2		UT-60S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-11-FW-33LA	PLSW,P /	CT	2	2-1-08	PT		
II-CT-007CT-11-FW-33LA	PLSW,P /	CT	2	2-1-08	UT-45S		
II-CT-007CT-11-FW-52A	PLSW,P /	CT	2		PT		
II-CT-007CT-11-FW-52A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-11-FW-52B	PLSW,P /	CT	2		PT		
II-CT-007CT-11-FW-52B	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-23A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-23A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-24A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-24A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-25A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-25A	PLSW,P /	CT	2		UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-FW-26A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-26A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-27A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-27A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-28A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-28A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-29A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-29A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-30A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-30A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-31A	PLSW,P /	CT	2	2-3-13	PT		
II-CT-007CT-FW-31A	PLSW,P /	CT	2	2-3-13	UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-FW-32A	PLSW,P /	CT	2	2-1-08	PT		
II-CT-007CT-FW-32A	PLSW,P /	CT	2	2-1-08	UT-45S		
II-CT-007CT-FW-33LA	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-33LA	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-35A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-35A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-53A	PLSW,P /	CT	2	2-3-13	PT		
II-CT-007CT-FW-53A	PLSW,P /	CT	2	2-3-13	UT-45S		
II-CT-007CT-FW-54A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-54A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-54B	PLSW,E /	CT	2		PT		
II-CT-007CT-FW-54B	PLSW,E /	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-FW-54C	PLSW,E /	CT	2		PT		
II-CT-007CT-FW-54C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-FW-55A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-55A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-55B	PLSW,E /	CT	2		PT		
II-CT-007CT-FW-55B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-FW-55C	PLSW,E /	CT	2		PT		
II-CT-007CT-FW-55C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-FW-56A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-56A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-56B	PLSW,E /	CT	2		PT		
II-CT-007CT-FW-56B	PLSW,E /	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-FW-56C	PLSW,E /	CT	2		PT		
II-CT-007CT-FW-56C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-FW-80A	PLSW,P /	CT	2	2-3-13	PT		
II-CT-007CT-FW-80A	PLSW,P /	CT	2	2-3-13	UT-45S		
II-CT-007CT-FW-80B	PLSW,P /	CT	2	2-3-13	PT		
II-CT-007CT-FW-80B	PLSW,P /	CT	2	2-3-13	UT-45S		
II-CT-007CT-FW-82A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-82A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-82B	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-82B	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-83A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-83A	PLSW,P /	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-FW-83B	PLSW,E /	CT	2		PT		
II-CT-007CT-FW-83B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-FW-83C	PLSW,E /	CT	2		PT		
II-CT-007CT-FW-83C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-FW-84A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-84A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-84B	PLSW,E /	CT	2		PT		
II-CT-007CT-FW-84B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-FW-84C	PLSW,E /	CT	2		PT		
II-CT-007CT-FW-84C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-FW-85A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-85A	PLSW,P /	CT	2		UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-FW-85B	PLSW,E /	CT	2		PT		
II-CT-007CT-FW-85B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-FW-85C	PLSW,E /	CT	2		PT		
II-CT-007CT-FW-85C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-FW-86A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-86A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-86B	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-86B	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-87A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-87A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-87B	PLSW,T /	CT	2		PT		
II-CT-007CT-FW-87B	PLSW,T /	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-FW-88A	PLSW,R /	CT	2	2-3-13	PT		
II-CT-007CT-FW-88A	PLSW,R /	CT	2	2-3-13	UT-45S		
II-CT-007CT-FW-88B	PLSW,P /	CT	2	2-3-13	PT		
II-CT-007CT-FW-88B	PLSW,P /	CT	2	2-3-13	UT-45S		
II-CT-007CT-FW-89A	PLSW,P /	CT	2		PT		
II-CT-007CT-FW-89A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-FW-89B	PLSW,T /	CT	2		PT		
II-CT-007CT-FW-89B	PLSW,T /	CT	2		UT-45S		
II-CT-007CT-SW-A3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-A3A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-A4A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-A4A	PLSW,P /	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-B3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-B3A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-B4A	PLSW,P /	CT	2	2-3-13	PT		
II-CT-007CT-SW-B4A	PLSW,P /	CT	2	2-3-13	UT-45S		
II-CT-007CT-SW-C3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-C3A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-C4A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-C4A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-C5A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-C5A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-D3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-D3A	PLSW,P /	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-D4A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-D4A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-D4B	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-D4B	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-E3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-E3A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-E4A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-E4A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-E6A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-E6A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-E7A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-E7A	PLSW,P /	CT	2		UT-45S		

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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-E8A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-E8A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-F3A	PLSW,P /	CT	2	2-2-11	PT		
II-CT-007CT-SW-F3A	PLSW,P /	CT	2	2-2-11	UT-45S		
II-CT-007CT-SW-F4A	PLSW,P /	CT	2	2-3-13	PT		
II-CT-007CT-SW-F4A	PLSW,P /	CT	2	2-3-13	UT-45S		
II-CT-007CT-SW-F5A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-F5A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-F6A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-F6A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-F8A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-F8A	PLSW,P /	CT	2		UT-45S		



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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-J12A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-J12A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-J12B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-J12B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-J12C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-J12C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-J3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-J3A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-J3B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-J3B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-J3C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-J3C	PLSW,E /	CT	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-K3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-K3A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-K3B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-K3B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-K3C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-K3C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-K4A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-K4A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-K4B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-K4B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-K4C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-K4C	PLSW,E /	CT	2		UT-45S		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-L3A	PLSW,P /	CT	2	2-2-11	PT		
II-CT-007CT-SW-L3A	PLSW,P /	CT	2	2-2-11	UT-45S		
II-CT-007CT-SW-L3B	PLSW,E /	CT	2	2-2-11	PT		
II-CT-007CT-SW-L3B	PLSW,E /	CT	2	2-2-11	UT-45S		
II-CT-007CT-SW-L3C	PLSW,E /	CT	2	2-2-11	PT		
II-CT-007CT-SW-L3C	PLSW,E /	CT	2	2-2-11	UT-45S		
II-CT-007CT-SW-M3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-M3A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-M3B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-M3B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-M3C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-M3C	PLSW,E /	CT	2		UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-M4A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-M4A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-M4B	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-M4B	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-N19A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-N19A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-N19B	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-N19B	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-N5A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-N5A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-N5B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-N5B	PLSW,E /	CT	2		UT-45S		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-N5C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-N5C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-O20A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-O20A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-O20B	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-O20B	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-O25A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-O25A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-O25B	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-O25B	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-O28A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-O28A	PLSW,P /	CT	2		UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-06A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-06A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-06B	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-06B	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-07A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-07A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-07B	PLSW,T /	CT	2		PT		
II-CT-007CT-SW-07B	PLSW,T /	CT	2		UT-45S		
II-CT-007CT-SW-P20A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-P20A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-P20B	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-P20B	PLSW,P /	CT	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-P23A	PLSW,P /	CT	2	2-3-13	PT		
II-CT-007CT-SW-P23A	PLSW,P /	CT	2	2-3-13	UT-45S		
II-CT-007CT-SW-P3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-P3A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-P3B	PLSW,T /	CT	2		PT		
II-CT-007CT-SW-P3B	PLSW,T /	CT	2		UT-45S		
II-CT-007CT-SW-P4A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-P4A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-P4B	PLSW,T /	CT	2		PT		
II-CT-007CT-SW-P4B	PLSW,T /	CT	2		UT-45S		
II-CT-007CT-SW-P5A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-P5A	PLSW,P /	CT	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-P5B	PLSW,R /	CT	2		PT		
II-CT-007CT-SW-P5B	PLSW,R /	CT	2		UT-45S		
II-CT-007CT-SW-Q12A	PLSW,P /	CT	2	2-2-11	PT		
II-CT-007CT-SW-Q12A	PLSW,P /	CT	2	2-2-11	UT-45S		
II-CT-007CT-SW-Q12B	PLSW,P /	CT	2	2-2-11	PT		
II-CT-007CT-SW-Q12B	PLSW,P /	CT	2	2-2-11	UT-45S		
II-CT-007CT-SW-Q13A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-Q13A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-Q13B	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-Q13B	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-Q3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-Q3A	PLSW,P /	CT	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-Q3B	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-Q3B	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-R3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-R3A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-R3B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-R3B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-R3C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-R3C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-S3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-S3A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-S3B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-S3B	PLSW,E /	CT	2		UT-45S		

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-S3C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-S3C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-T3A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-T3A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-T3B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-T3B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-T3C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-T3C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-T4A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-T4A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-T4B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-T4B	PLSW,E /	CT	2		UT-45S		

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-T4C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-T4C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-T5A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-T5A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-T5B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-T5B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-T5C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-T5C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-T6A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-T6A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-T6B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-T6B	PLSW,E /	CT	2		UT-45S		

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-007CT-SW-T6C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-T6C	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-T7A	PLSW,P /	CT	2		PT		
II-CT-007CT-SW-T7A	PLSW,P /	CT	2		UT-45S		
II-CT-007CT-SW-T7B	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-T7B	PLSW,E /	CT	2		UT-45S		
II-CT-007CT-SW-T7C	PLSW,E /	CT	2		PT		
II-CT-007CT-SW-T7C	PLSW,E /	CT	2		UT-45S		
II-CT-008CT-12-4-SW-5A	PLSW,P /	CT	2		PT		
II-CT-008CT-12-4-SW-5A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-12-4-SW-5B	PLSW,P /	CT	2		PT		
II-CT-008CT-12-4-SW-5B	PLSW,P /	CT	2		UT-45S		

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-12-5-SW-2A	PLSW,P /	CT	2		PT		
II-CT-008CT-12-5-SW-2A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-12-9-SW-2A	PLSW,P /	CT	2		PT		
II-CT-008CT-12-9-SW-2A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-12-9-SW-3A	PLSW,P /	CT	2		PT		
II-CT-008CT-12-9-SW-3A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-12-FW-55A	PLSW,P /	CT	2		PT		
II-CT-008CT-12-FW-55A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-15-1-SW-1A	PLSW,P /	CT	2		PT		
II-CT-008CT-15-1-SW-1A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-15-1-SW-1B	PLSW,P /	CT	2		PT		
II-CT-008CT-15-1-SW-1B	PLSW,P /	CT	2		UT-45S		

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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-15-1-SW-2A	PLSW,P /	CT	2		PT		
II-CT-008CT-15-1-SW-2A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-15-1-SW-2B	PLSW,P /	CT	2		PT		
II-CT-008CT-15-1-SW-2B	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-15-1-SW-3A	PLSW,P /	CT	2		PT		
II-CT-008CT-15-1-SW-3A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-15-1-SW-3B	PLSW,E /	CT	2		PT		
II-CT-008CT-15-1-SW-3B	PLSW,E /	CT	2		UT-45S		
II-CT-008CT-15-1-SW-3C	PLSW,E /	CT	2		PT		
II-CT-008CT-15-1-SW-3C	PLSW,E /	CT	2		UT-45S		
II-CT-008CT-FW-38A	PLSW,P /	CT	2		PT		
II-CT-008CT-FW-38A	PLSW,P /	CT	2		UT-45S		



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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-FW-38B	PLSW,P /	CT	2		PT		
II-CT-008CT-FW-38B	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-FW-39A	PLSW,P /	CT	2		PT		
II-CT-008CT-FW-39A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-FW-40A	PLSW,P /	CT	2		PT		
II-CT-008CT-FW-40A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-FW-41A	PLSW,P /	CT	2		PT		
II-CT-008CT-FW-41A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-FW-42A	PLSW,P /	CT	2		PT		
II-CT-008CT-FW-42A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-FW-43A	PLSW,P /	CT	2		PT		
II-CT-008CT-FW-43A	PLSW,P /	CT	2		UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-FW-45A	PLSW,P /	CT	2	2-3-13	PT		
II-CT-008CT-FW-45A	PLSW,P /	CT	2	2-3-13	UT-45S		
II-CT-008CT-FW-46A	PLSW,P /	CT	2		PT		
II-CT-008CT-FW-46A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-FW-47A	PLSW,P /	CT	2		PT		
II-CT-008CT-FW-47A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-FW-58A	PLSW,P /	CT	2		PT		
II-CT-008CT-FW-58A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-FW-60A	PLSW,P /	CT	2		PT		
II-CT-008CT-FW-60A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-FW-60B	PLSW,E /	CT	2		PT		
II-CT-008CT-FW-60B	PLSW,E /	CT	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-FW-60C	PLSW,E /	CT	2		PT		
II-CT-008CT-FW-60C	PLSW,E /	CT	2		UT-45S		
II-CT-008CT-FW-63A	PLSW,P /	CT	2		PT		
II-CT-008CT-FW-63A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-FW-63B	PLSW,E /	CT	2		PT		
II-CT-008CT-FW-63B	PLSW,E /	CT	2		UT-45S		
II-CT-008CT-FW-63C	PLSW,E /	CT	2		PT		
II-CT-008CT-FW-63C	PLSW,E /	CT	2		UT-45S		
II-CT-008CT-SW-A3A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-A3A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-A4A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-A4A	PLSW,P /	CT	2		UT-45S		

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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-SW-B3A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-B3A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-B4A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-B4A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-C3A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-C3A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-C4A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-C4A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-C4B	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-C4B	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-C5A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-C5A	PLSW,P /	CT	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-SW-D18A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-D18A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-D18B	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-D18B	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-D3A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-D3A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-D4A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-D4A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-D5A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-D5A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-D5B	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-D5B	PLSW,P /	CT	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-SW-E3A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-E3A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-E4A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-E4A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-E7A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-E7A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-E8A	PLSW,P /	CT	2	2-2-11	PT		
II-CT-008CT-SW-E8A	PLSW,P /	CT	2	2-2-11	UT-45S		
II-CT-008CT-SW-F5A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-F5A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-F6A	PLSW,P /	CT	2	2-1-08	PT		
II-CT-008CT-SW-F6A	PLSW,P /	CT	2	2-1-08	UT-45S		



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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-SW-F8A	PLSW,P /	CT	2	2-3-13	PT		
II-CT-008CT-SW-F8A	PLSW,P /	CT	2	2-3-13	UT-45S		
II-CT-008CT-SW-J24A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-J24A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-J24B	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-J24B	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-J28A	PLSW,P /	CT	2	2-1-08	PT		
II-CT-008CT-SW-J28A	PLSW,P /	CT	2	2-1-08	UT-45S		
II-CT-008CT-SW-J29A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-J29A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-J3A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-J3A	PLSW,P /	CT	2		UT-45S		

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-SW-J3B	PLSW,T /	CT	2		PT		
II-CT-008CT-SW-J3B	PLSW,T /	CT	2		UT-45S		
II-CT-008CT-SW-J4A	PLSW,P /	CT	2	2-1-08	PT		2" OF LONGSEAM EXAMINED
II-CT-008CT-SW-J4A	PLSW,P /	CT	2	2-1-08	UT-45S		2" OF LONGSEAM EXAMINED
II-CT-008CT-SW-J4B	PLSW,T /	CT	2	2-1-08	PT		2" OF LONGSEAM EXAMINED
II-CT-008CT-SW-J4B	PLSW,T /	CT	2	2-1-08	UT-45S		2" OF LONGSEAM EXAMINED
II-CT-008CT-SW-J5A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-J5A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-J5B	PLSW,T /	CT	2		PT		
II-CT-008CT-SW-J5B	PLSW,T /	CT	2		UT-45S		
II-CT-008CT-SW-J6A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-J6A	PLSW,P /	CT	2		UT-45S		

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-SW-J6B	PLSW,T /	CT	2		PT		
II-CT-008CT-SW-J6B	PLSW,T /	CT	2		UT-45S		
II-CT-008CT-SW-J7A	PLSW,T /	CT	2		PT		
II-CT-008CT-SW-J7A	PLSW,T /	CT	2		UT-45S		
II-CT-008CT-SW-J7B	PLSW,R /	CT	2		PT		
II-CT-008CT-SW-J7B	PLSW,R /	CT	2		UT-45S		
II-CT-008CT-SW-L4A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-L4A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-L4B	PLSW,E /	CT	2		PT		
II-CT-008CT-SW-L4B	PLSW,E /	CT	2		UT-45S		
II-CT-008CT-SW-L4C	PLSW,E /	CT	2		PT		
II-CT-008CT-SW-L4C	PLSW,E /	CT	2		UT-45S		

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CT-008CT-SW-M3A	PLSW,P /	CT	2		PT		
II-CT-008CT-SW-M3A	PLSW,P /	CT	2		UT-45S		
II-CT-008CT-SW-M3B	PLSW,E /	CT	2		PT		
II-CT-008CT-SW-M3B	PLSW,E /	CT	2		UT-45S		
II-CT-008CT-SW-M3C	PLSW,E /	CT	2		PT		
II-CT-008CT-SW-M3C	PLSW,E /	CT	2		UT-45S		
II-RH-001CT-14-4-SW-1A	PLSW,P /	CT	2		PT		
II-RH-001CT-14-4-SW-1A	PLSW,P /	CT	2		UT-45S		
II-RH-001CT-14-4-SW-1B	PLSW,P /	CT	2		PT		
II-RH-001CT-14-4-SW-1B	PLSW,P /	CT	2		UT-45S		
II-RH-001CT-14-4-SW-2A	PLSW,P /	CT	2		PT		
II-RH-001CT-14-4-SW-2A	PLSW,P /	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001CT-14-4-SW-2B	PLSW,P /	CT	2		PT		
II-RH-001CT-14-4-SW-2B	PLSW,P /	CT	2		UT-45S		
II-RH-001CT-14-4-SW-3A	PLSW,P /	CT	2		PT		
II-RH-001CT-14-4-SW-3A	PLSW,P /	CT	2		UT-45S		
II-RH-001CT-14-4-SW-3B	PLSW,P /	CT	2		PT		
II-RH-001CT-14-4-SW-3B	PLSW,P /	CT	2		UT-45S		
II-RH-001CT-FW-57A	PLSW,P /	CT	2	2-1-08	PT		
II-RH-001CT-FW-57A	PLSW,P /	CT	2	2-1-08	UT-45S		
II-RH-001CT-SW-Q3A	PLSW,P /	CT	2		PT		
II-RH-001CT-SW-Q3A	PLSW,P /	CT	2		UT-45S		
II-RH-001CT-SW-Q3B	PLSW,E /	CT	2		PT		
II-RH-001CT-SW-Q3B	PLSW,E /	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001CT-SW-Q3C	PLSW,E /	CT	2		PT		
II-RH-001CT-SW-Q3C	PLSW,E /	CT	2		UT-45S		
II-RH-001CT-SW-Q4A	PLSW,P /	CT	2		PT		
II-RH-001CT-SW-Q4A	PLSW,P /	CT	2		UT-45S		
II-RH-001CT-SW-Q4B	PLSW,E /	CT	2		PT		
II-RH-001CT-SW-Q4B	PLSW,E /	CT	2		UT-45S		
II-RH-001CT-SW-Q4C	PLSW,E /	CT	2		PT		
II-RH-001CT-SW-Q4C	PLSW,E /	CT	2		UT-45S		
II-RH-001CT-SW-Q5A	PLSW,P /	CT	2		PT		
II-RH-001CT-SW-Q5A	PLSW,P /	CT	2		UT-45S		
II-RH-001CT-SW-Q5B	PLSW,E /	CT	2		PT		
II-RH-001CT-SW-Q5B	PLSW,E /	CT	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001CT-SW-Q5C	PLSW,E /	CT	2		PT		
II-RH-001CT-SW-Q5C	PLSW,E /	CT	2		UT-45S		
II-RH-001CT-SW-Q6A	PLSW,P /	CT	2		PT		
II-RH-001CT-SW-Q6A	PLSW,P /	CT	2		UT-45S		
II-RH-001CT-SW-Q6B	PLSW,E /	CT	2		PT		
II-RH-001CT-SW-Q6B	PLSW,E /	CT	2		UT-45S		
II-RH-001CT-SW-Q6C	PLSW,E /	CT	2		PT		
II-RH-001CT-SW-Q6C	PLSW,E /	CT	2		UT-45S		
II-RH-001CT-SW-Q7A	PLSW,P /	CT	2		PT		
II-RH-001CT-SW-Q7A	PLSW,P /	CT	2		UT-45S		
II-RH-001CT-SW-Q7B	PLSW,E /	CT	2		PT		
II-RH-001CT-SW-Q7B	PLSW,E /	CT	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001CT-SW-Q7C	PLSW,E /	CT	2		PT		
II-RH-001CT-SW-Q7C	PLSW,E /	CT	2		UT-45S		
II-RH-001CT-SW-Q8A	PLSW,P /	CT	2		PT		
II-RH-001CT-SW-Q8A	PLSW,P /	CT	2		UT-45S		
II-RH-001CT-SW-Q8B	PLSW,E /	CT	2		PT		
II-RH-001CT-SW-Q8B	PLSW,E /	CT	2		UT-45S		
II-RH-001CT-SW-Q8C	PLSW,E /	CT	2		PT		
II-RH-001CT-SW-Q8C	PLSW,E /	CT	2		UT-45S		
II-RH-001RH-FW-8A	PLSW,E /	RH	2	2-1-08	PT		
II-RH-001RH-FW-8A	PLSW,E /	RH	2	2-1-08	UT-45S		
II-RH-001RH-FW-8B	PLSW,E /	RH	2	2-1-08	PT		
II-RH-001RH-FW-8B	PLSW,E /	RH	2	2-1-08	UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001RH-SW-E3A	PLSW,P /	RH	2		PT		
II-RH-001RH-SW-E3A	PLSW,P /	RH	2		UT-45S		
II-RH-001RH-SW-E3B	PLSW,E /	RH	2		PT		
II-RH-001RH-SW-E3B	PLSW,E /	RH	2		UT-45S		
II-RH-001RH-SW-E3C	PLSW,E /	RH	2		PT		
II-RH-001RH-SW-E3C	PLSW,E /	RH	2		UT-45S		
II-RH-001RH-SW-E4A	PLSW,T /	RH	2	2-1-08	PT		
II-RH-001RH-SW-E4A	PLSW,T /	RH	2	2-1-08	UT-45S		
II-RH-001RH-SW-E4B	PLSW,P /	RH	2	2-1-08	PT		
II-RH-001RH-SW-E4B	PLSW,P /	RH	2	2-1-08	UT-45S		
II-RH-001RH-SW-E5A	PLSW,P /	RH	2		PT		
II-RH-001RH-SW-E5A	PLSW,P /	RH	2		UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001RH-SW-E5B	PLSW,T /	RH	2		PT		
II-RH-001RH-SW-E5B	PLSW,T /	RH	2		UT-45S		
II-RH-001RH-SW-E6A	PLSW,T /	RH	2		PT		
II-RH-001RH-SW-E6A	PLSW,T /	RH	2		UT-45S		
II-RH-001RH-SW-E6B	PLSW,P /	RH	2		PT		
II-RH-001RH-SW-E6B	PLSW,P /	RH	2		UT-45S		
II-RH-001RH-SW-E7A	PLSW,P /	RH	2		PT		
II-RH-001RH-SW-E7A	PLSW,P /	RH	2		UT-45S		
II-RH-001RH-SW-E7B	PLSW,T /	RH	2		PT		
II-RH-001RH-SW-E7B	PLSW,T /	RH	2		UT-45S		
II-RH-001RH-SW-E8A	TEESE /	RH	2		PT		
II-RH-001RH-SW-E8A	TEESE /	RH	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001RH-SW-E8B	TEESE /	RH	2		PT		
II-RH-001RH-SW-E8B	TEESE /	RH	2		UT-45S		
II-RH-001SI-1-FW-15A	PLSW,P /	SI	2		PT		
II-RH-001SI-1-FW-15A	PLSW,P /	SI	2		UT-45S		
II-RH-001SI-1-FW-15B	PLSW,P /	SI	2		PT		
II-RH-001SI-1-FW-15B	PLSW,P /	SI	2		UT-45S		
II-RH-001SI-1-FW-4LA	PLSW,P /	SI	2		PT		
II-RH-001SI-1-FW-4LA	PLSW,P /	SI	2		UT-45S		
II-RH-001SI-FW-10A	PLSW,P /	SI	2		PT		
II-RH-001SI-FW-10A	PLSW,P /	SI	2		UT-45S		
II-RH-001SI-FW-11A	PLSW,P /	SI	2		PT		
II-RH-001SI-FW-11A	PLSW,P /	SI	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001SI-FW-12A	PLSW,P /	SI	2	2-2-11	PT		
II-RH-001SI-FW-12A	PLSW,P /	SI	2	2-2-11	UT-45S		
II-RH-001SI-FW-2A	PLSW,P /	SI	2		PT		
II-RH-001SI-FW-2A	PLSW,P /	SI	2		UT-45S		
II-RH-001SI-FW-3A	PLSW,P /	SI	2	2-1-09	PT		
II-RH-001SI-FW-3A	PLSW,P /	SI	2	2-1-09	UT-45S		
II-RH-001SI-FW-4LA	PLSW,P /	SI	2		PT		
II-RH-001SI-FW-4LA	PLSW,P /	SI	2		UT-45S		
II-RH-001SI-FW-6A	PLSW,P /	SI	2	2-1-09	PT		
II-RH-001SI-FW-6A	PLSW,P /	SI	2	2-1-09	UT-45S		
II-RH-001SI-FW-6B	PLSW,E /	SI	2	2-1-09	PT		
II-RH-001SI-FW-6B	PLSW,E /	SI	2	2-1-09	UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001SI-FW-6C	PLSW,E /	SI	2	2-1-09	PT		
II-RH-001SI-FW-6C	PLSW,E /	SI	2	2-1-09	UT-45S		
II-RH-001SI-FW-7A	PLSW,P /	SI	2		PT		
II-RH-001SI-FW-7A	PLSW,P /	SI	2		UT-45S		
II-RH-001SI-FW-8A	PLSW,P /	SI	2		PT		
II-RH-001SI-FW-8A	PLSW,P /	SI	2		UT-45S		
II-RH-001SI-FW-9A	PLSW,T /	RH	2		PT		
II-RH-001SI-FW-9A	PLSW,T /	RH	2		UT-45S		
II-RH-001SI-FW-9B	TEESE /	RH	2		PT		
II-RH-001SI-FW-9B	TEESE /	RH	2		UT-45S		
II-RH-001SI-SW-F3A	PLSW,P /	SI	2		PT		
II-RH-001SI-SW-F3A	PLSW,P /	SI	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001SI-SW-F3B	PLSW,E /	SI	2		PT		
II-RH-001SI-SW-F3B	PLSW,E /	SI	2		UT-45S		
II-RH-001SI-SW-F3C	PLSW,E /	SI	2		PT		
II-RH-001SI-SW-F3C	PLSW,E /	SI	2		UT-45S		
II-RH-001SI-SW-F4A	PLSW,P /	SI	2	2-2-11	PT		
II-RH-001SI-SW-F4A	PLSW,P /	SI	2	2-2-11	UT-45S		
II-RH-001SI-SW-F4B	PLSW,E /	SI	2	2-2-11	PT		
II-RH-001SI-SW-F4B	PLSW,E /	SI	2	2-2-11	UT-45S		
II-RH-001SI-SW-F4C	PLSW,E /	SI	2	2-2-11	PT		
II-RH-001SI-SW-F4C	PLSW,E /	SI	2	2-2-11	UT-45S		
II-RH-001SI-SW-F5A	PLSW,P /	SI	2		PT		
II-RH-001SI-SW-F5A	PLSW,P /	SI	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-001SI-SW-F5B	PLSW,T /	SI	2		PT		
II-RH-001SI-SW-F5B	PLSW,T /	SI	2		UT-45S		
II-RH-001SI-SW-F6A	PLSW,T /	SI	2		PT		
II-RH-001SI-SW-F6A	PLSW,T /	SI	2		UT-45S		
II-RH-001SI-SW-F6B	PLSW,P /	SI	2		PT		
II-RH-001SI-SW-F6B	PLSW,P /	SI	2		UT-45S		
II-RH-001SI-SW-G3A	PLSW,P /	SI	2		PT		
II-RH-001SI-SW-G3A	PLSW,P /	SI	2		UT-45S		
II-RH-001SI-SW-G3B	PLSW,E /	SI	2		PT		
II-RH-001SI-SW-G3B	PLSW,E /	SI	2		UT-45S		
II-RH-001SI-SW-G3C	PLSW,E /	SI	2		PT		
II-RH-001SI-SW-G3C	PLSW,E /	SI	2		UT-45S		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002CT-FW-61A	PLSW,P /	CT	2		PT		
II-RH-002CT-FW-61A	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-FW-61B	PLSW,E /	CT	2		PT		
II-RH-002CT-FW-61B	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-FW-61C	PLSW,E /	CT	2		PT		
II-RH-002CT-FW-61C	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-FW-62A	PLSW,P /	CT	2	2-3-13	PT		
II-RH-002CT-FW-62A	PLSW,P /	CT	2	2-3-13	UT-45S		
II-RH-002CT-SW-P3A	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-P3A	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-SW-P3B	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-P3B	PLSW,E /	CT	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002CT-SW-P3C	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-P3C	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-P4A	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-P4A	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-SW-P4B	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-P4B	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-P4C	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-P4C	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-P5A	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-P5A	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-SW-P5B	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-P5B	PLSW,E /	CT	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002CT-SW-P5C	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-P5C	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-P6A	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-P6A	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-SW-P6B	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-P6B	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-P6C	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-P6C	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-P7A	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-P7A	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-SW-P7B	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-P7B	PLSW,E /	CT	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002CT-SW-P7C	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-P7C	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-P8A	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-P8A	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-SW-P8B	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-P8B	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-P8C	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-P8C	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-Q22A	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-Q22A	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-SW-Q22B	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-Q22B	PLSW,P /	CT	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD $\geq 3/8$ " NOMINAL WALL THICKNESS FOR PIPING $>NPS 4$ "

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002CT-SW-Q3A	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-Q3A	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-SW-Q3B	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-Q3B	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-Q3C	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-Q3C	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-Q4A	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-Q4A	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-SW-Q4B	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-Q4B	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-Q4C	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-Q4C	PLSW,E /	CT	2		UT-45S		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002CT-SW-Q5A	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-Q5A	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-SW-Q5B	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-Q5B	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-Q5C	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-Q5C	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-Q6A	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-Q6A	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-SW-Q6B	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-Q6B	PLSW,P /	CT	2		UT-45S		
II-RH-002CT-SW-Q7A	PLSW,P /	CT	2		PT		
II-RH-002CT-SW-Q7A	PLSW,P /	CT	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002CT-SW-Q7B	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-Q7B	PLSW,E /	CT	2		UT-45S		
II-RH-002CT-SW-Q7C	PLSW,E /	CT	2		PT		
II-RH-002CT-SW-Q7C	PLSW,E /	CT	2		UT-45S		
II-RH-002RH-5-6-SW-1A	PLSW,P /	RH	2		PT		
II-RH-002RH-5-6-SW-1A	PLSW,P /	RH	2		UT-45S		
II-RH-002RH-5-6-SW-1B	PLSW,T /	RH	2		PT		
II-RH-002RH-5-6-SW-1B	PLSW,T /	RH	2		UT-45S		
II-RH-002RH-5-6-SW-2A	PLSW,T /	RH	2		PT		
II-RH-002RH-5-6-SW-2A	PLSW,T /	RH	2		UT-45S		
II-RH-002RH-5-6-SW-2B	PLSW,P /	RH	2		PT		
II-RH-002RH-5-6-SW-2B	PLSW,P /	RH	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002RH-5-6-SW-3A	PLSW,T /	RH	2		PT		
II-RH-002RH-5-6-SW-3A	PLSW,T /	RH	2		UT-45S		
II-RH-002RH-5-6-SW-3B	PLSW,P /	RH	2		PT		
II-RH-002RH-5-6-SW-3B	PLSW,P /	RH	2		UT-45S		
II-RH-002RH-FW-21A	PLSW,E /	RH	2	2-3-13	PT		
II-RH-002RH-FW-21A	PLSW,E /	RH	2	2-3-13	UT-45S		
II-RH-002RH-FW-21B	PLSW,E /	RH	2	2-3-13	PT		
II-RH-002RH-FW-21B	PLSW,E /	RH	2	2-3-13	UT-45S		
II-RH-002RH-SW-E3A	PLSW,P /	RH	2	2-2-11	PT		
II-RH-002RH-SW-E3A	PLSW,P /	RH	2	2-2-11	UT-45S		
II-RH-002RH-SW-E3B	PLSW,E /	RH	2	2-2-11	PT		
II-RH-002RH-SW-E3B	PLSW,E /	RH	2	2-2-11	UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

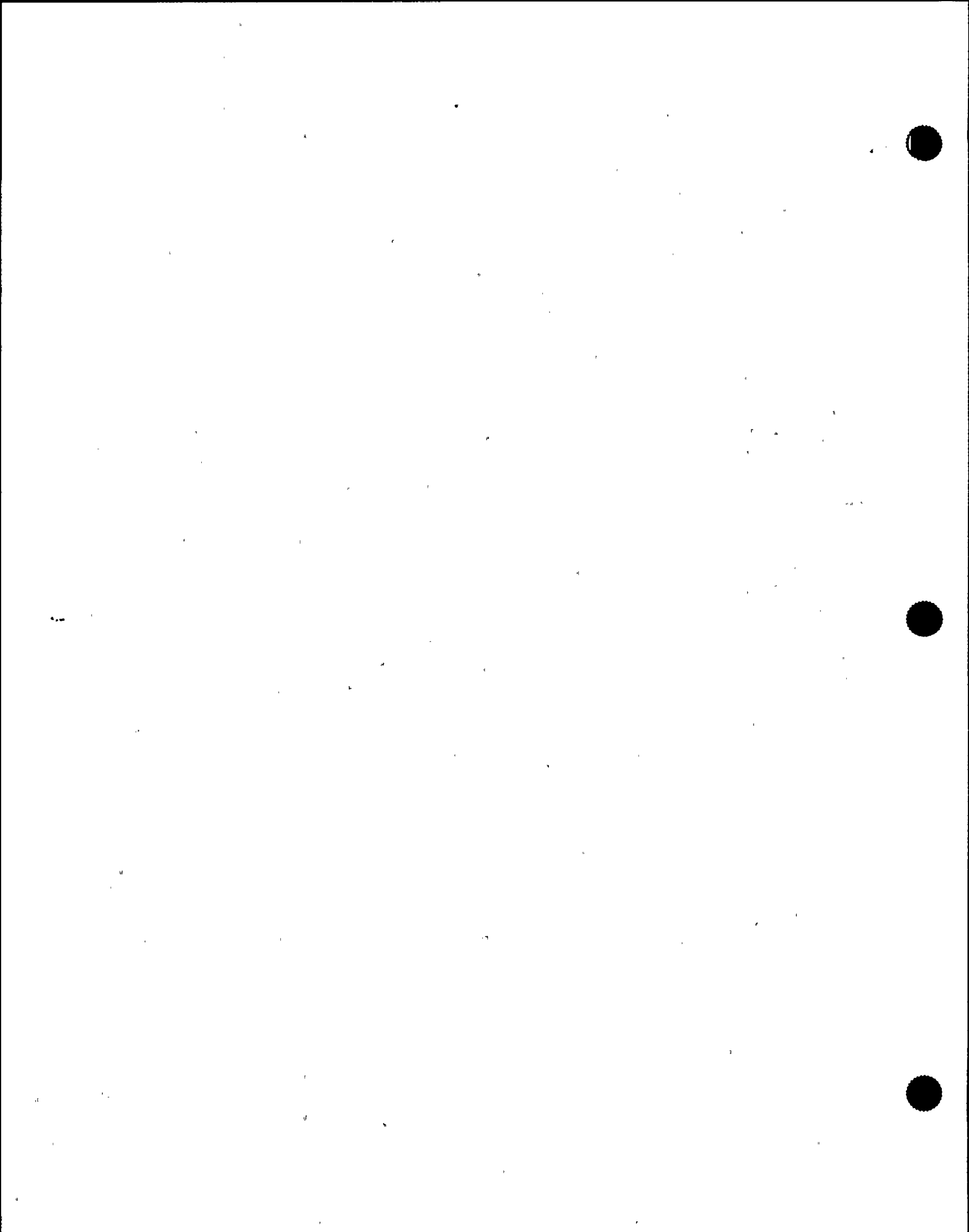
CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.12	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002RH-SW-E3C	PLSW,E /	RH	2	2-2-11	PT		
II-RH-002RH-SW-E3C	PLSW,E /	RH	2	2-2-11	UT-45S		
II-RH-002RH-SW-E4A	PLSW,T /	RH	2		PT		
II-RH-002RH-SW-E4A	PLSW,T /	RH	2		UT-45S		
II-RH-002RH-SW-E4B	PLSW,P /	RH	2		PT		
II-RH-002RH-SW-E4B	PLSW,P /	RH	2		UT-45S		
II-RH-002SI-2-FW-16LA	PLSW,P /	SI	2		PT		
II-RH-002SI-2-FW-16LA	PLSW,P /	SI	2		UT-45S		
II-RH-002SI-2-FW-31A	PLSW,P /	SI	2		PT		
II-RH-002SI-2-FW-31A	PLSW,P /	SI	2		UT-45S		
II-RH-002SI-2-FW-31B	PLSW,P /	SI	2		PT		
II-RH-002SI-2-FW-31B	PLSW,P /	SI	2		UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002SI-FW-14A	PLSW,P /	SI	2	2-2-10	PT		
II-RH-002SI-FW-14A	PLSW,P /	SI	2	2-2-10	UT-45S		
II-RH-002SI-FW-15A	PLSW,P /	SI	2		PT		
II-RH-002SI-FW-15A	PLSW,P /	SI	2		UT-45S		
II-RH-002SI-FW-16LA	PLSW,P /	SI	2		PT		
II-RH-002SI-FW-16LA	PLSW,P /	SI	2		UT-45S		
II-RH-002SI-FW-18A	PLSW,P /	SI	2		PT		
II-RH-002SI-FW-18A	PLSW,P /	SI	2		UT-45S		
II-RH-002SI-FW-18B	PLSW,E /	SI	2		PT		
II-RH-002SI-FW-18B	PLSW,E /	SI	2		UT-45S		
II-RH-002SI-FW-18C	PLSW,E /	SI	2		PT		
II-RH-002SI-FW-18C	PLSW,E /	SI	2		UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002SI-FW-19A	PLSW,P /	SI	2	2-3-13	PT		
II-RH-002SI-FW-19A	PLSW,P /	SI	2	2-3-13	UT-45S		
II-RH-002SI-FW-20A	PLSW,P /	SI	2		PT		
II-RH-002SI-FW-20A	PLSW,P /	SI	2		UT-45S		
II-RH-002SI-FW-21A	PLSW,T /	RH	2	2-2-10	PT		
II-RH-002SI-FW-21A	PLSW,T /	RH	2	2-2-10	UT-45S		
II-RH-002SI-FW-22A	PLSW,P /	SI	2		PT		
II-RH-002SI-FW-22A	PLSW,P /	SI	2		UT-45S		
II-RH-002SI-FW-23A	PLSW,P /	SI	2	2-2-10	PT		
II-RH-002SI-FW-23A	PLSW,P /	SI	2	2-2-10	UT-45S		
II-RH-002SI-FW-24A	PLSW,P /	SI	2		PT		
II-RH-002SI-FW-24A	PLSW,P /	SI	2		UT-45S		

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002SI-SW-F3A	PLSW,P /	SI	2		PT		
II-RH-002SI-SW-F3A	PLSW,P /	SI	2		UT-45S		
II-RH-002SI-SW-F3B	PLSW,E /	SI	2		PT		
II-RH-002SI-SW-F3B	PLSW,E /	SI	2		UT-45S		
II-RH-002SI-SW-F3C	PLSW,E /	SI	2		PT		
II-RH-002SI-SW-F3C	PLSW,E /	SI	2		UT-45S		
II-RH-002SI-SW-F4A	PLSW,P /	SI	2		PT		
II-RH-002SI-SW-F4A	PLSW,P /	SI	2		UT-45S		
II-RH-002SI-SW-F4B	PLSW,E /	SI	2		PT		
II-RH-002SI-SW-F4B	PLSW,E /	SI	2		UT-45S		
II-RH-002SI-SW-F4C	PLSW,E /	SI	2		PT		
II-RH-002SI-SW-F4C	PLSW,E /	SI	2		UT-45S		



**Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval**

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002SI-SW-F5A	PLSW,P /	SI	2		PT		
II-RH-002SI-SW-F5A	PLSW,P /	SI	2		UT-45S		
II-RH-002SI-SW-F5B	PLSW,T /	SI	2		PT		
II-RH-002SI-SW-F5B	PLSW,T /	SI	2		UT-45S		
II-RH-002SI-SW-F6A	PLSW,T /	SI	2		PT		
II-RH-002SI-SW-F6A	PLSW,T /	SI	2		UT-45S		
II-RH-002SI-SW-F6B	PLSW,P /	SI	2		PT		
II-RH-002SI-SW-F6B	PLSW,P /	SI	2		UT-45S		
II-RH-002SI-SW-G3A	PLSW,P /	SI	2		PT		
II-RH-002SI-SW-G3A	PLSW,P /	SI	2		UT-45S		
II-RH-002SI-SW-G3B	PLSW,E /	SI	2		PT		
II-RH-002SI-SW-G3B	PLSW,E /	SI	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.12 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-RH-002SI-SW-G3C	PLSW,E /	SI	2		PT		
II-RH-002SI-SW-G3C	PLSW,E /	SI	2		UT-45S		
II-SI-021SI-FW-555A	PLSW,P /	SI	2	2-1-09	PT		
II-SI-021SI-FW-555A	PLSW,P /	SI	2	2-1-09	UT-45S		
II-SI-021SI-SW-A4A	PLSW,P /	SI	2		PT		
II-SI-021SI-SW-A4A	PLSW,P /	SI	2		UT-45S		
II-SI-021SI-SW-A5A	PLSW,P /	SI	2		PT		
II-SI-021SI-SW-A5A	PLSW,P /	SI	2		UT-45S		
II-SI-021SI-SW-A6A	PLSW,P /	SI	2		PT		
II-SI-021SI-SW-A6A	PLSW,P /	SI	2		UT-45S		
II-SI-022SI-FW-566A	PLSW,P /	SI	2	2-2-11	PT		
II-SI-022SI-FW-566A	PLSW,P /	SI	2	2-2-11	UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1
ITEM NO. C5.12

PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-022SI-SW-A9A	PLSW,P /	SI	2		PT		
II-SI-022SI-SW-A9A	PLSW,P /	SI	2		UT-45S		



Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-006CS-141-2-SW-1	PC,PIP / PE,LR	CS	2		PT		
II-CS-006CS-141-2-SW-1	PC,PIP / PE,LR	CS	2		UT-45S		
II-CS-006CS-141-2-SW-2	PC,PIP / PC,PIP	CS	2		PT		
II-CS-006CS-141-2-SW-2	PC,PIP / PC,PIP	CS	2		UT-45S		
II-CS-006CS-144-1-SW-1	PC,PIP / PE,LR	CS	2	2-1-08	PT		HPSI.
II-CS-006CS-144-1-SW-1	PC,PIP / PE,LR	CS	2	2-1-08	UT-45S		HPSI.
II-CS-006CS-144-3-SW-2	PE,LR / PC,PIP	CS	2		PT		HPSI.
II-CS-006CS-144-3-SW-2	PE,LR / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-006CS-144-3-SW-3	PC,PIP / PC,PIP	CS	2		PT		HPSI.
II-CS-006CS-144-3-SW-3	PC,PIP / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-006CS-146-1-SW-1	PC,PIP / PE,LR	CS	2		PT		HPSI.
II-CS-006CS-146-1-SW-1	PC,PIP / PE,LR	CS	2		UT-45S		HPSI.



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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.21	PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-006CS-146-3-SW-1	PE,LR / PC,PIP	CS	2		PT		HPSI.
II-CS-006CS-146-3-SW-1	PE,LR / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-006CS-146-3-SW-2	PC,PIP / PE,LR	CS	2		PT		HPSI.
II-CS-006CS-146-3-SW-2	PC,PIP / PE,LR	CS	2		UT-45S		HPSI.
II-CS-006CS-FW-102	PC,PIP / PC,VLV	CS	2		PT		HPSI.
II-CS-006CS-FW-102	PC,PIP / PC,VLV	CS	2		UT-45S		HPSI.
II-CS-006CS-FW-103	PC,VLV / PC,PIP	CS	2		PT		HPSI.
II-CS-006CS-FW-103	PC,VLV / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-006CS-FW-104	PC,PIP / PC,VLV	CS	2		PT		HPSI.
II-CS-006CS-FW-104	PC,PIP / PC,VLV	CS	2		UT-45S		HPSI.
II-CS-006CS-FW-105	PC,VLV / PC,PIP	CS	2		PT		HPSI.
II-CS-006CS-FW-105	PC,VLV / PC,PIP	CS	2		UT-45S		HPSI.

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-006CS-FW-106	PC,PIP / PBCC,T	CS	2		PT		HPSI.
II-CS-006CS-FW-106	PC,PIP / PBCC,T	CS	2		UT-45S		HPSI.
II-CS-006CS-FW-122	PC,PIP / PC,VLV	CS	2		PT		HPSI.
II-CS-006CS-FW-122	PC,PIP / PC,VLV	CS	2		UT-45S		HPSI.
II-CS-006CS-FW-123	PC,VLV / PC,PIP	CS	2		PT		HPSI.
II-CS-006CS-FW-123	PC,VLV / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-006CS-FW-124	PC,PIP / PC,VLV	CS	2		PT		HPSI.
II-CS-006CS-FW-124	PC,PIP / PC,VLV	CS	2		UT-45S		HPSI.
II-CS-006CS-FW-125	PC,VLV / PC,PIP	CS	2		PT		HPSI.
II-CS-006CS-FW-125	PC,VLV / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-006CS-FW-126	PC,PIP / PBCC,T	CS	2		PT		HPSI.
II-CS-006CS-FW-126	PC,PIP / PBCC,T	CS	2		UT-45S		HPSI.

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CATEGORY C-F-1
ITEM NO. C5.21

PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-006CS-FW-128	PE,LR / PC,PIP	CS	2	2-1-08	PT		
II-CS-006CS-FW-128	PE,LR / PC,PIP	CS	2	2-1-08	UT-45S		
II-CS-006CS-FW-129	PE,LR / PC,PIP	CS	2		PT		
II-CS-006CS-FW-129	PE,LR / PC,PIP	CS	2		UT-45S		
II-CS-006CS-FW-130	PC,VLV / PC,PIP	CS	2		PT		
II-CS-006CS-FW-130	PC,VLV / PC,PIP	CS	2		UT-45S		
II-CS-006CS-FW-131	PC,PIP / PC,VLV	CS	2		PT		
II-CS-006CS-FW-131	PC,PIP / PC,VLV	CS	2		UT-45S		
II-CS-006CS-FW-132	PC,VLV / PC,PIP	CS	2		PT		
II-CS-006CS-FW-132	PC,VLV / PC,PIP	CS	2		UT-45S		
II-CS-006CS-FW-201	PC,PIP / PC,VLV	CS	2		PT		
II-CS-006CS-FW-201	PC,PIP / PC,VLV	CS	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-006CS-FW-202	PC,VLV / PC,PIP	CS	2		PT		
II-CS-006CS-FW-202	PC,VLV / PC,PIP	CS	2		UT-45S		
II-CS-006CS-SW-A3	PF,RFW / PC,RED	CS	2		PT		HPSI.
II-CS-006CS-SW-A3	PF,RFW / PC,RED	CS	2		UT-45S		HPSI.
II-CS-006CS-SW-A4	PC,RED / PC,PIP	CS	2		PT		HPSI.
II-CS-006CS-SW-A4	PC,RED / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-006CS-SW-A6	PE,LR / PC,PIP	CS	2	2-1-08	PT		HPSI.
II-CS-006CS-SW-A6	PE,LR / PC,PIP	CS	2	2-1-08	UT-45S		HPSI.
II-CS-006CS-SW-C3	PC,PIP / PE,LR	CS	2		PT		HPSI.
II-CS-006CS-SW-C3	PC,PIP / PE,LR	CS	2		UT-45S		HPSI.
II-CS-006CS-SW-D4	PBCC,T / PC,PIP	CS	2		PT		
II-CS-006CS-SW-D4	PBCC,T / PC,PIP	CS	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-006CS-SW-D5	PC,PIP / PBCC,T	CS	2		PT		
II-CS-006CS-SW-D5	PC,PIP / PBCC,T	CS	2		UT-45S		
II-CS-006CS-SW-F3	PBCC,T / PC,PIP	CS	2		PT		
II-CS-006CS-SW-F3	PBCC,T / PC,PIP	CS	2		UT-45S		
II-CS-006CS-SW-F4	PC,PIP / PBCC,T	CS	2		PT		
II-CS-006CS-SW-F4	PC,PIP / PBCC,T	CS	2		UT-45S		
II-CS-006CS-SW-I3	PF,RFW / PC,RED	CS	2		PT		HPSI.
II-CS-006CS-SW-I3	PF,RFW / PC,RED	CS	2		UT-45S		HPSI.
II-CS-006CS-SW-I4	PC,RED / PC,PIP	CS	2		PT		HPSI.
II-CS-006CS-SW-I4	PC,RED / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-006CS-SW-I6	PE,LR / PC,PIP	CS	2		PT		HPSI.
II-CS-006CS-SW-I6	PE,LR / PC,PIP	CS	2		UT-45S		HPSI.

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-006CS-SW-J3	PC,PIP / PE,LR	CS	2	2-1-08	PT		
II-CS-006CS-SW-J3	PC,PIP / PE,LR	CS	2	2-1-08	UT-45S		
II-CS-006CS-SW-J6	PC,PIP / PC,PIP	CS	2		PT		
II-CS-006CS-SW-J6	PC,PIP / PC,PIP	CS	2		UT-45S		
II-CS-007CS-145-1-SW-1	PC,PIP / PE,LR	CS	2		PT		HPSI.
II-CS-007CS-145-1-SW-1	PC,PIP / PE,LR	CS	2		UT-45S		HPSI.
II-CS-007CS-145-3-SW-1	PE,LR / PC,PIP	CS	2		PT		HPSI.
II-CS-007CS-145-3-SW-1	PE,LR / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-007CS-145-3-SW-2	PC,PIP / PC,PIP	CS	2		PT		HPSI.
II-CS-007CS-145-3-SW-2	PC,PIP / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-007CS-145-3-SW-3	PC,PIP / PE,LR	CS	2		PT		HPSI.
II-CS-007CS-145-3-SW-3	PC,PIP / PE,LR	CS	2		UT-45S		HPSI.

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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.21	PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-007CS-FW-203	PC,PIP / PC,VLV	CS	2		PT		
II-CS-007CS-FW-203	PC,PIP / PC,VLV	CS	2		UT-45S		
II-CS-007CS-FW-204	PC,VLV / PC,PIP	CS	2		PT		
II-CS-007CS-FW-204	PC,VLV / PC,PIP	CS	2		UT-45S		
II-CS-007CS-FW-205	PC,PIP / PC,VLV	CS	2		PT		
II-CS-007CS-FW-205	PC,PIP / PC,VLV	CS	2		UT-45S		
II-CS-007CS-FW-92	PC,PIP / PC,VLV	CS	2		PT		HPSI.
II-CS-007CS-FW-92	PC,PIP / PC,VLV	CS	2		UT-45S		HPSI.
II-CS-007CS-FW-93	PC,VLV / PC,PIP	CS	2		PT		HPSI.
II-CS-007CS-FW-93	PC,VLV / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-007CS-FW-94	PC,PIP / PC,VLV	CS	2		PT		HPSI.
II-CS-007CS-FW-94	PC,PIP / PC,VLV	CS	2		UT-45S		HPSI.



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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.21	PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-007CS-FW-95	PC,VLV / PC,PIP	CS	2		PT		HPSI.
II-CS-007CS-FW-95	PC,VLV / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-007CS-FW-96	PC,PIP / PC,RED	CS	2		PT		HPSI.
II-CS-007CS-FW-96	PC,PIP / PC,RED	CS	2		UT-45S		HPSI.
II-CS-007CS-SW-A3	PF,RFW / PC,RED	CS	2		PT		HPSI.
II-CS-007CS-SW-A3	PF,RFW / PC,RED	CS	2		UT-45S		HPSI.
II-CS-007CS-SW-A4	PC,RED / PC,PIP	CS	2		PT		HPSI.
II-CS-007CS-SW-A4	PC,RED / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-007CS-SW-A6	PE,LR / PC,PIP	CS	2		PT		HPSI.
II-CS-007CS-SW-A6	PE,LR / PC,PIP	CS	2		UT-45S		HPSI.
II-CS-007CS-SW-C5	PE,LR / PC,PIP	CS	2	2-1-08	PT		HPSI.
II-CS-007CS-SW-C5	PE,LR / PC,PIP	CS	2	2-1-08	UT-45S		HPSI.

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-007CS-SW-C6	PC,PIP / PE,LR	CS	2	2-1-08	PT		HPSI.
II-CS-007CS-SW-C6	PC,PIP / PE,LR	CS	2	2-1-08	UT-45S		HPSI.
II-CS-007CS-SW-D3	PBCC,T / PC,PIP	CS	2		PT		
II-CS-007CS-SW-D3	PBCC,T / PC,PIP	CS	2		UT-45S		
II-CS-007CS-SW-D4	PC,PIP / PBCC,T	CS	2		PT		
II-CS-007CS-SW-D4	PC,PIP / PBCC,T	CS	2		UT-45S		
II-CS-007CS-SW-D5	PBCC,T / PC,PIP	CS	2		PT		
II-CS-007CS-SW-D5	PBCC,T / PC,PIP	CS	2		UT-45S		
II-CS-007CS-SW-D6	PC,RED / PBCC,T	CS	2		PT		
II-CS-007CS-SW-D6	PC,RED / PBCC,T	CS	2		UT-45S		
II-CS-007CS-SW-D7	PBCC,T / PC,RED	CS	2		PT		
II-CS-007CS-SW-D7	PBCC,T / PC,RED	CS	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-007SI-13-1-SW-2	PE,LR / PC,PIP	SI	2		PT		
II-CS-007SI-13-1-SW-2	PE,LR / PC,PIP	SI	2		UT-45S		
II-CS-007SI-13-1-SW-3	PC,PIP / PE,LR	SI	2		PT		
II-CS-007SI-13-1-SW-3	PC,PIP / PE,LR	SI	2		UT-45S		
II-CS-007SI-13-1-SW-4	PC,PIP / PE,LR	SI	2		PT		
II-CS-007SI-13-1-SW-4	PC,PIP / PE,LR	SI	2		UT-45S		
II-CS-007SI-13-1-SW-5	PC,PIP / PC,PIP	SI	2		PT		
II-CS-007SI-13-1-SW-5	PC,PIP / PC,PIP	SI	2		UT-45S		
II-CS-007SI-FW-25	PBCC,T / PC,PIP	SI	2	2-1-08	PT		
II-CS-007SI-FW-25	PBCC,T / PC,PIP	SI	2	2-1-08	UT-45S	2R2-003	
II-CS-007SI-FW-26	PC,PIP / PE,LR	SI	2		PT		
II-CS-007SI-FW-26	PC,PIP / PE,LR	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-007SI-SW-F3	PC,PIP / PC,PIP	SI	2		PT		
II-CS-007SI-SW-F3	PC,PIP / PC,PIP	SI	2		UT-45S		
II-CS-007SI-SW-F5	PE,LR / PC,PIP	SI	2		PT		
II-CS-007SI-SW-F5	PE,LR / PC,PIP	SI	2		UT-45S		
II-CS-022CS-FW-127	PE,LR / PC,PIP	CS	2		PT		
II-CS-022CS-FW-127	PE,LR / PC,PIP	CS	2		UT-45S		
II-CS-022CS-SW-A3	PC,PIP / PE,LR	CS	2		PT		
II-CS-022CS-SW-A3	PC,PIP / PE,LR	CS	2		UT-45S		
II-CS-022CS-SW-A4	PC,PIP / PC,PIP	CS	2		PT		
II-CS-022CS-SW-A4	PC,PIP / PC,PIP	CS	2		UT-45S		
II-CS-022CS-SW-B10	PC,PIP / PE,LR	CS	2		PT		
II-CS-022CS-SW-B10	PC,PIP / PE,LR	CS	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-CS-022CS-SW-B5	PBCC,T / PC,RED	CS	2		PT		
II-CS-022CS-SW-B5	PBCC,T / PC,RED	CS	2		UT-45S		
II-CS-022CS-SW-B6	PC,PIP / PBCC,T	CS	2		PT		
II-CS-022CS-SW-B6	PC,PIP / PBCC,T	CS	2		UT-45S		
II-CS-022CS-SW-B7	PE,LR / PC,PIP	CS	2	2-1-09	PT		
II-CS-022CS-SW-B7	PE,LR / PC,PIP	CS	2	2-1-09	UT-45S		
II-CS-022CS-SW-B8	PC,PIP / PE,LR	CS	2		PT		
II-CS-022CS-SW-B8	PC,PIP / PE,LR	CS	2		UT-45S		
II-CS-022CS-SW-B9	PE,LR / PC,PIP	CS	2		PT		
II-CS-022CS-SW-B9	PE,LR / PC,PIP	CS	2		UT-45S		
II-SI-003SI-14-1-SW-1	PC,PIP / PE,LR	SI	2	2-3-13	PT		
II-SI-003SI-14-1-SW-1	PC,PIP / PE,LR	SI	2	2-3-13	UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-003SI-14-FW-270	PE,LR / PC,PIP	SI	2		PT		
II-SI-003SI-14-FW-270	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-003SI-FW-269	VNOZ1 / PC,PIP	SI	2	2-3-13	PT		
II-SI-003SI-FW-269	VNOZ1 / PC,PIP	SI	2	2-3-13	UT-45S		
II-SI-003SI-FW-271	PC,PIP / PC,VLV	SI	2		PT		
II-SI-003SI-FW-271	PC,PIP / PC,VLV	SI	2		UT-45S		
II-SI-003SI-FW-272	PC,VLV / PC,PIP	SI	2		PT		
II-SI-003SI-FW-272	PC,VLV / PC,PIP	SI	2		UT-45S		
II-SI-003SI-FW-273	PC,PIP / PP,FHS	SI	2		PT		
II-SI-003SI-FW-273	PC,PIP / PP,FHS	SI	2		UT-45S		
II-SI-003SI-FW-274	PC,VLV / PC,PIP	SI	2		PT		
II-SI-003SI-FW-274	PC,VLV / PC,PIP	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-003SI-FW-275	PC,PIP / PC,VLV	SI	2		PT		
II-SI-003SI-FW-275	PC,PIP / PC,VLV	SI	2		UT-45S		
II-SI-003SI-SW-A14	PC,PIP / PC,PIP	SI	2		PT		
II-SI-003SI-SW-A14	PC,PIP / PC,PIP	SI	2		UT-45S		
II-SI-003SI-SW-A3	PC,PIP / PE,LR	SI	2		PT		
II-SI-003SI-SW-A3	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-003SI-SW-A4	PE,LR / PC,PIP	SI	2		PT		
II-SI-003SI-SW-A4	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-003SI-SW-A6	PE,LR / PC,PIP	SI	2	2-3-13	PT		
II-SI-003SI-SW-A6	PE,LR / PC,PIP	SI	2	2-3-13	UT-45S		
II-SI-003SI-SW-A7	PC,PIP / PE,LR	SI	2	2-3-13	PT		
II-SI-003SI-SW-A7	PC,PIP / PE,LR	SI	2	2-3-13	UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-003SI-SW-A8	PE,RED / PC,PIP	SI	2		PT		
II-SI-003SI-SW-A8	PE,RED / PC,PIP	SI	2		UT-45S		
II-SI-003SI-SW-A9	PC,PIP / PE,RED	SI	2	2-1-09	PT		
II-SI-003SI-SW-A9	PC,PIP / PE,RED	SI	2	2-1-09	UT-45S		
II-SI-003SI-SW-B10	PE,LR / PC,PIP	SI	2		PT		
II-SI-003SI-SW-B10	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-003SI-SW-B11	PC,PIP / PE,LR	SI	2		PT		
II-SI-003SI-SW-B11	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-003SI-SW-B3	PE,LR / PC,PIP	SI	2		PT		
II-SI-003SI-SW-B3	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-003SI-SW-B4	PC,PIP / PE,LR	SI	2		PT		
II-SI-003SI-SW-B4	PC,PIP / PE,LR	SI	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-003SI-SW-B5	PE,LR / PC,PIP	SI	2		PT		
II-SI-003SI-SW-B5	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-003SI-SW-B6	PC,PIP / PE,LR	SI	2		PT		
II-SI-003SI-SW-B6	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-003SI-SW-B7	PBCC,T / PC,PIP	SI	2		PT		
II-SI-003SI-SW-B7	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-003SI-SW-B8	PBCC,T / PC,PIP	SI	2		PT		
II-SI-003SI-SW-B8	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-003SI-SW-B9	PC,PIP / PBCC,T	SI	2		PT		
II-SI-003SI-SW-B9	PC,PIP / PBCC,T	SI	2		UT-45S		
II-SI-003SI-SW-C3	PBCC,T / PC,PIP	SI	2		PT		
II-SI-003SI-SW-C3	PBCC,T / PC,PIP	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-003SI-SW-C4	PC,PIP / PBCC,T	SI	2		PT		
II-SI-003SI-SW-C4	PC,PIP / PBCC,T	SI	2		UT-45S		
II-SI-003SI-SW-C5	PC,PIP / PBCC,T	SI	2		PT		
II-SI-003SI-SW-C5	PC,PIP / PBCC,T	SI	2		UT-45S		
II-SI-004SI-13-11-SW-1	PC,PIP / PE,LR	SI	2		PT		
II-SI-004SI-13-11-SW-1	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-004SI-13-11-SW-2	PE,LR / PC,PIP	SI	2		PT		
II-SI-004SI-13-11-SW-2	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-004SI-13-11-SW-3	PC,PIP / PE,LR	SI	2		PT		
II-SI-004SI-13-11-SW-3	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-004SI-13-11-SW-4	PC,PIP / PE,LR	SI	2		PT		
II-SI-004SI-13-11-SW-4	PC,PIP / PE,LR	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-004SI-13-11-SW-5	PE,LR / PC,PIP	SI	2		PT		
II-SI-004SI-13-11-SW-5	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-004SI-FW-27	PE,LR / PC,PIP	SI	2	2-2-11	PT		
II-SI-004SI-FW-27	PE,LR / PC,PIP	SI	2	2-2-11	UT-45S		
II-SI-004SI-FW-28	PE,LR / PC,PIP	SI	2	2-2-11	PT		
II-SI-004SI-FW-28	PE,LR / PC,PIP	SI	2	2-2-11	UT-45S		
II-SI-004SI-FW-29	PC,PIP / PE,LR	SI	2	2-2-11	PT		
II-SI-004SI-FW-29	PC,PIP / PE,LR	SI	2	2-2-11	UT-45S		
II-SI-004SI-FW-30	PC,PIP / PC,PIP	SI	2		PT		
II-SI-004SI-FW-30	PC,PIP / PC,PIP	SI	2		UT-45S		
II-SI-004SI-FW-31	PC,PIP / PE,LR	SI	2		PT		
II-SI-004SI-FW-31	PC,PIP / PE,LR	SI	2		UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1
ITEM NO. C5.21

PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-004SI-FW-32	PC,PB / PC,VLV	SI	2		PT		
II-SI-004SI-FW-32	PC,PB / PC,VLV	SI	2		UT-45S		
II-SI-004SI-FW-33	PC,VLV / PC,PIP	SI	2		PT		
II-SI-004SI-FW-33	PC,VLV / PC,PIP	SI	2		UT-45S		
II-SI-004SI-FW-34	PC,PIP / PP,FHS	SI	2	2-2-11	PT		
II-SI-004SI-FW-34	PC,PIP / PP,FHS	SI	2	2-2-11	UT-45S		
II-SI-004SI-FW-37	PC,PIP / PBCC,T	SI	2		PT		
II-SI-004SI-FW-37	PC,PIP / PBCC,T	SI	2		UT-45S		
II-SI-004SI-FW-38	PE,LR / PC,VLV	SI	2		PT		
II-SI-004SI-FW-38	PE,LR / PC,VLV	SI	2		UT-45S		
II-SI-004SI-FW-39	PC,VLV / PC,PIP	SI	2		PT		
II-SI-004SI-FW-39	PC,VLV / PC,PIP	SI	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-004SI-FW-40	PC,PIP / PC,VLV	SI	2		PT		
II-SI-004SI-FW-40	PC,PIP / PC,VLV	SI	2		UT-45S		
II-SI-004SI-FW-41	PC,VLV / PBCC,T	SI	2		PT		
II-SI-004SI-FW-41	PC,VLV / PBCC,T	SI	2		UT-45S		
II-SI-004SI-FW-42	PC,PIP / VNOZ1	SI	2	2-1-09	PT		
II-SI-004SI-FW-42	PC,PIP / VNOZ1	SI	2	2-1-09	UT-45S		
II-SI-004SI-SW-A10	PC,PIP / PE,RED	SI	2		PT		
II-SI-004SI-SW-A10	PC,PIP / PE,RED	SI	2		UT-45S		
II-SI-004SI-SW-A11	PE,RED / PC,PIP	SI	2	2-1-09	PT		
II-SI-004SI-SW-A11	PE,RED / PC,PIP	SI	2	2-1-09	UT-45S		
II-SI-004SI-SW-A12	PC,PIP / PBCC,T	SI	2		PT		
II-SI-004SI-SW-A12	PC,PIP / PBCC,T	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-004SI-SW-A3	PC,RED / PBCC,T	SI	2		PT		
II-SI-004SI-SW-A3	PC,RED / PBCC,T	SI	2		UT-45S		
II-SI-004SI-SW-A4	PBCC,T / PC,PIP	SI	2		PT		
II-SI-004SI-SW-A4	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-A5	PC,PIP / PBCC,T	SI	2		PT		
II-SI-004SI-SW-A5	PC,PIP / PBCC,T	SI	2		UT-45S		
II-SI-004SI-SW-A6	PBCC,T / PC,PIP	SI	2		PT		
II-SI-004SI-SW-A6	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-A7	PC,PIP / PE,LR	SI	2		PT		
II-SI-004SI-SW-A7	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-004SI-SW-A8	PE,LR / PC,PIP	SI	2		PT		
II-SI-004SI-SW-A8	PE,LR / PC,PIP	SI	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-004SI-SW-A9	PC,PIP / PC,PIP	SI	2		PT		
II-SI-004SI-SW-A9	PC,PIP / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-B10	PE,LR / PC,PIP	SI	2		PT		
II-SI-004SI-SW-B10	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-B11	PC,PIP / PE,LR	SI	2		PT		
II-SI-004SI-SW-B11	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-004SI-SW-B5	PE,LR / PC,PIP	SI	2		PT		
II-SI-004SI-SW-B5	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-B6	PC,PIP / PE,LR	SI	2		PT		
II-SI-004SI-SW-B6	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-004SI-SW-B7	PBCC,T / PC,PIP	SI	2		PT		
II-SI-004SI-SW-B7	PBCC,T / PC,PIP	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-004SI-SW-B8	PBCC,T / PC,PIP	SI	2		PT		
II-SI-004SI-SW-B8	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-B9	PC,PIP / PE,LR	SI	2		PT		
II-SI-004SI-SW-B9	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-004SI-SW-C3	PC,PIP / PBCC,T	SI	2		PT		
II-SI-004SI-SW-C3	PC,PIP / PBCC,T	SI	2		UT-45S		
II-SI-004SI-SW-C4	PBCC,T / PC,PIP	SI	2		PT		
II-SI-004SI-SW-C4	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-C5	PBCC,T / PC,PIP	SI	2		PT		
II-SI-004SI-SW-C5	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-D3	PC,PIP / PE,LR	SI	2	2-2-11	PT		
II-SI-004SI-SW-D3	PC,PIP / PE,LR	SI	2	2-2-11	UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-004SI-SW-D6	PC,PIP / PC,PIP	SI	2		PT		
II-SI-004SI-SW-D6	PC,PIP / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-E3	PF,RFW / PC,PIP	SI	2		PT		
II-SI-004SI-SW-E3	PF,RFW / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-E4	PC,PIP / PE,RED	SI	2	2-2-11	PT		
II-SI-004SI-SW-E4	PC,PIP / PE,RED	SI	2	2-2-11	UT-45S		
II-SI-004SI-SW-F3	PE,LR / PC,PIP	SI	2		PT		
II-SI-004SI-SW-F3	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-F4	PC,PIP / PE,LR	SI	2		PT		
II-SI-004SI-SW-F4	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-004SI-SW-F5	PE,LR / PC,PIP	SI	2		PT		
II-SI-004SI-SW-F5	PE,LR / PC,PIP	SI	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-004SI-SW-F6	PC,PIP / PF,RFW	SI	2		PT		
II-SI-004SI-SW-F6	PC,PIP / PF,RFW	SI	2		UT-45S		
II-SI-004SI-SW-G8	PC,PIP / PC,PIP	SI	2		PT		
II-SI-004SI-SW-G8	PC,PIP / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-G9	PE,LR / PC,PIP	SI	2		PT		
II-SI-004SI-SW-G9	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-H5	PE,LR / PC,PIP	SI	2		PT		
II-SI-004SI-SW-H5	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-H6	PC,PIP / PE,LR	SI	2		PT		
II-SI-004SI-SW-H6	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-004SI-SW-H7	PC,PIP / PC,PIP	SI	2		PT		
II-SI-004SI-SW-H7	PC,PIP / PC,PIP	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-004SI-SW-13	PE,LR / PC,PIP	SI	2		PT		
II-SI-004SI-SW-13	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-004SI-SW-14	PC,PIP / PE,LR	SI	2		PT		
II-SI-004SI-SW-14	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-004SI-SW-15	PE,LR / PE,LR	SI	2		PT		
II-SI-004SI-SW-15	PE,LR / PE,LR	SI	2		UT-45S		
II-SI-004SI-SW-16	PE,LR / PC,PB	SI	2		PT		
II-SI-004SI-SW-16	PE,LR / PC,PB	SI	2		UT-45S		
II-SI-010SI-100-FW-275	PC,RED / PC,PIP	SI	2		PT		
II-SI-010SI-100-FW-275	PC,RED / PC,PIP	SI	2		UT-45S		
II-SI-010SI-99-FW-269	PBCC,T / PC,PIP	SI	2		PT		
II-SI-010SI-99-FW-269	PBCC,T / PC,PIP	SI	2		UT-45S		



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ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-010SI-99-FW-270	PC,PIP / PC,VLV	SI	2		PT		
II-SI-010SI-99-FW-270	PC,PIP / PC,VLV	SI	2		UT-45S		
II-SI-010SI-99-FW-271	PC,VLV / PC,PIP	SI	2		PT		
II-SI-010SI-99-FW-271	PC,VLV / PC,PIP	SI	2		UT-45S		
II-SI-010SI-99-FW-272	PC,PIP / PP,FHS	SI	2	2-2-11	PT		
II-SI-010SI-99-FW-272	PC,PIP / PP,FHS	SI	2	2-2-11	UT-45S		
II-SI-010SI-FW-273	PC,PIP / PC,PB	SI	2		PT		
II-SI-010SI-FW-273	PC,PIP / PC,PB	SI	2		UT-45S		
II-SI-010SI-FW-276	PBCC,T / PC,PIP	SI	2		PT		
II-SI-010SI-FW-276	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-010SI-SW-A3	PC,PIP / PF,WN	SI	2		PT		
II-SI-010SI-SW-A3	PC,PIP / PF,WN	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-010SI-SW-A4	PE,LR / PC,PIP	SI	2		PT		
II-SI-010SI-SW-A4	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-010SI-SW-A5	PC,PIP / PE,LR	SI	2		PT		
II-SI-010SI-SW-A5	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-010SI-SW-B3	PE,LR / PC,RED	SI	2		PT		
II-SI-010SI-SW-B3	PE,LR / PC,RED	SI	2		UT-45S		
II-SI-010SI-SW-B4	PC,PIP / PE,LR	SI	2		PT		
II-SI-010SI-SW-B4	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-010SI-SW-B5	PE,LR / PC,PIP	SI	2		PT		
II-SI-010SI-SW-B5	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-010SI-SW-B6	PC,PIP / PE,LR	SI	2	2-2-11	PT		
II-SI-010SI-SW-B6	PC,PIP / PE,LR	SI	2	2-2-11	UT-45S	2R2-003	



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-010SI-SW-B7	PF,WN / PC,PIP	SI	2		PT		
II-SI-010SI-SW-B7	PF,WN / PC,PIP	SI	2		UT-45S		
II-SI-010SI-SW-C3	PE,LR / PC,PIP	SI	2		PT		
II-SI-010SI-SW-C3	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-010SI-SW-C4	PC,PIP / PE,LR	SI	2		PT		
II-SI-010SI-SW-C4	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-010SI-SW-C5	PE,LR / PC,PIP	SI	2		PT		
II-SI-010SI-SW-C5	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-010SI-SW-C6	PC,PIP / PE,LR	SI	2		PT		
II-SI-010SI-SW-C6	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-010SI-SW-C7	PBCC,T / PC,PIP	SI	2		PT		
II-SI-010SI-SW-C7	PBCC,T / PC,PIP	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-010SI-SW-C8	PC,PIP / PBCC,T	SI	2		PT		
II-SI-010SI-SW-C8	PC,PIP / PBCC,T	SI	2		UT-45S		
II-SI-010SI-SW-D5	PC,PIP / PE,LR	SI	2		PT		
II-SI-010SI-SW-D5	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-010SI-SW-D6	PE,LR / PC,PIP	SI	2		PT		
II-SI-010SI-SW-D6	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-010SI-SW-D7	PC,PIP / PC,PIP	SI	2		PT		
II-SI-010SI-SW-D7	PC,PIP / PC,PIP	SI	2		UT-45S		
II-SI-011SI-FW-274	PC,PB / PC,PIP	SI	2		PT		
II-SI-011SI-FW-274	PC,PB / PC,PIP	SI	2		UT-45S		
II-SI-011SI-FW-470	PC,PIP / PC,PIP	SI	2		PT		
II-SI-011SI-FW-470	PC,PIP / PC,PIP	SI	2		UT-45S		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1
ITEM NO. C5.21

PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-011SI-FW-471	PC,PIP / PE,LR	SI	2		PT		
II-SI-011SI-FW-471	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-011SI-FW-472	PC,PIP / PE,LR	SI	2		PT		
II-SI-011SI-FW-472	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-011SI-FW-473	PC,PIP / PE,LR	SI	2		PT		
II-SI-011SI-FW-473	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-011SI-FW-474	PE,LR / PC,PIP	SI	2	2-2-11	PT		
II-SI-011SI-FW-474	PE,LR / PC,PIP	SI	2	2-2-11	UT-45S		
II-SI-011SI-FW-475	PC,PIP / PC,VLV	SI	2		PT		
II-SI-011SI-FW-475	PC,PIP / PC,VLV	SI	2		UT-45S		
II-SI-011SI-FW-476	PC,VLV / PC,PIP	SI	2		PT		
II-SI-011SI-FW-476	PC,VLV / PC,PIP	SI	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-011SI-FW-477	PC,PIP / PP,FHS	SI	2	2-2-11	PT		
II-SI-011SI-FW-477	PC,PIP / PP,FHS	SI	2	2-2-11	UT-45S		
II-SI-011SI-SW-A12	PC,PIP / PC,PB	SI	2		PT		
II-SI-011SI-SW-A12	PC,PIP / PC,PB	SI	2		UT-45S		
II-SI-011SI-SW-A13	PC,PB / PC,PB	SI	2		PT		
II-SI-011SI-SW-A13	PC,PB / PC,PB	SI	2		UT-45S		
II-SI-011SI-SW-B5	PC,PIP / PC,PIP	SI	2		PT		
II-SI-011SI-SW-B5	PC,PIP / PC,PIP	SI	2		UT-45S		
II-SI-011SI-SW-C6	PC,PIP / PE,LR	SI	2		PT		
II-SI-011SI-SW-C6	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-011SI-SW-C7	PE,LR / PC,PIP	SI	2		PT		
II-SI-011SI-SW-C7	PE,LR / PC,PIP	SI	2		UT-45S		

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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.21	PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-011SI-SW-D3	PE,LR / PC,PIP	SI	2		PT		
II-SI-011SI-SW-D3	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-011SI-SW-D5	PC,PIP / PC,PIP	SI	2		PT		
II-SI-011SI-SW-D5	PC,PIP / PC,PIP	SI	2		UT-45S		
II-SI-011SI-SW-E3	PE,LR / PC,PIP	SI	2		PT		
II-SI-011SI-SW-E3	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-011SI-SW-E4	PC,PIP / PE,LR	SI	2		PT		
II-SI-011SI-SW-E4	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-011SI-SW-E5	PE,LR / PC,PIP	SI	2		PT		
II-SI-011SI-SW-E5	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-011SI-SW-F3	PC,PIP / PE,LR	SI	2	2-2-11	PT		
II-SI-011SI-SW-F3	PC,PIP / PE,LR	SI	2	2-2-11	UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-011SI-SW-F4	PC,PIP / PC,PIP	SI	2		PT		
II-SI-011SI-SW-F4	PC,PIP / PC,PIP	SI	2		UT-45S		
II-SI-011SI-SW-F5	PE,LR / PC,PIP	SI	2		PT		
II-SI-011SI-SW-F5	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-011SI-SW-F6	PC,PIP / PE,LR	SI	2		PT		
II-SI-011SI-SW-F6	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-011SI-SW-F7	PE,LR / PC,PIP	SI	2		PT		
II-SI-011SI-SW-F7	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-011SI-SW-G3	PE,LR / PC,PIP	SI	2		PT		
II-SI-011SI-SW-G3	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-011SI-SW-G4	PC,PIP / PE,LR	SI	2		PT		
II-SI-011SI-SW-G4	PC,PIP / PE,LR	SI	2		UT-45S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-016SI-FW-35	PP,FHS / PC,PIP	SI	2		PT		
II-SI-016SI-FW-35	PP,FHS / PC,PIP	SI	2		UT-45S		
II-SI-016SI-FW-36	PC,PIP / PBCC,T	SI	2	2-2-11	PT		
II-SI-016SI-FW-36	PC,PIP / PBCC,T	SI	2	2-2-11	UT-45S	2R2-003	
II-SI-016SI-SW-D3	PC,PIP / PC,RED	SI	2		PT		
II-SI-016SI-SW-D3	PC,PIP / PC,RED	SI	2		UT-45S		
II-SI-016SI-SW-D4	PBCC,T / PC,PIP	SI	2		PT		
II-SI-016SI-SW-D4	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-016SI-SW-D5	PBCC,T / PC,PIP	SI	2		PT		
II-SI-016SI-SW-D5	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-016SI-SW-D6	PC,PIP / PC,RED	SI	2		PT		
II-SI-016SI-SW-D6	PC,PIP / PC,RED	SI	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.21	PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-016SI-SW-D9	PC,PIP / PBC,S	SI	2	2-2-11	PT		
II-SI-016SI-SW-D9	PC,PIP / PBC,S	SI	2	2-2-11	UT-45S		
II-SI-019SI-14-4-SW-1	PC,PIP / PC,PIP	SI	2		PT		
II-SI-019SI-14-4-SW-1	PC,PIP / PC,PIP	SI	2		UT-45S		
II-SI-019SI-14-4-SW-2	PC,PIP / PC,PIP	SI	2		PT		
II-SI-019SI-14-4-SW-2	PC,PIP / PC,PIP	SI	2		UT-45S		
II-SI-019SI-FW-276	PP,FHS / PC,PIP	SI	2		PT		
II-SI-019SI-FW-276	PP,FHS / PC,PIP	SI	2		UT-45S		
II-SI-019SI-FW-277	PC,PIP / PBCC,T	SI	2	2-2-11	PT		
II-SI-019SI-FW-277	PC,PIP / PBCC,T	SI	2	2-2-11	UT-45S	2R2-003	
II-SI-019SI-SW-O3	PC,PIP / PC,RED	SI	2		PT		
II-SI-019SI-SW-O3	PC,PIP / PC,RED	SI	2		UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.21	PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-019SI-SW-04	PBCC,T / PC,PIP	SI	2		PT		
II-SI-019SI-SW-04	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-019SI-SW-05	PBCC,T / PC,PIP	SI	2		PT		
II-SI-019SI-SW-05	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-019SI-SW-06	PC,PIP / PC,RED	SI	2		PT		
II-SI-019SI-SW-06	PC,PIP / PC,RED	SI	2		UT-45S		
II-SI-019SI-SW-07	PC,RED / PSW,C	SI	2		PT		
II-SI-019SI-SW-07	PC,RED / PSW,C	SI	2		UT-45S		
II-SI-019SI-SW-08	PC,RED / PSW,C	SI	2		PT		
II-SI-019SI-SW-08	PC,RED / PSW,C	SI	2		UT-45S		
II-SI-027SI-FW-567	PE,LR / PC,PIP	SI	2		PT		
II-SI-027SI-FW-567	PE,LR / PC,PIP	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-027SI-FW-568	PP,FHS / PC,PB	SI	2		PT		
II-SI-027SI-FW-568	PP,FHS / PC,PB	SI	2		UT-60S		
II-SI-027SI-SW-J3	PC,PIP / PE,LR	SI	2		PT		
II-SI-027SI-SW-J3	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-027SI-SW-J4	PE,LR / PC,PIP	SI	2		PT		
II-SI-027SI-SW-J4	PE,LR / PC,PIP	SI	2		UT-45S		
II-SI-027SI-SW-J5	PC,PB / PC,RED	SI	2	2-3-13	PT		
II-SI-027SI-SW-J5	PC,PB / PC,RED	SI	2	2-3-13	UT-45S		
II-SI-027SI-SW-J8	PC,PIP / PC,PB	SI	2		PT		
II-SI-027SI-SW-J8	PC,PIP / PC,PB	SI	2		UT-45S		
II-SI-027SI-SW-K3	PC,PB / PBCC,T	SI	2		PT		
II-SI-027SI-SW-K3	PC,PB / PBCC,T	SI	2		UT-60S		

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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.21	PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-027SI-SW-K4	PC,PIP / PC,RED	SI	2		PT		
II-SI-027SI-SW-K4	PC,PIP / PC,RED	SI	2		UT-45S		
II-SI-027SI-SW-K5	PBCC,T / PC,PIP	SI	2		PT		
II-SI-027SI-SW-K5	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-027SI-SW-K6	PBCC,T / PC,PIP	SI	2		PT		
II-SI-027SI-SW-K6	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-027SI-SW-K7	PC,PIP / PE,LR	SI	2		PT		
II-SI-027SI-SW-K7	PC,PIP / PE,LR	SI	2		UT-45S		
II-SI-029SI-FW-599	PC,RED / PSW,C	SI	2		PT		
II-SI-029SI-FW-599	PC,RED / PSW,C	SI	2		UT-45S		
II-SI-029SI-FW-601	PP,FHS / PC,PIP	SI	2		PT		
II-SI-029SI-FW-601	PP,FHS / PC,PIP	SI	2		UT-60S		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-029SI-SW-C10	PC,PIP / PBCC,T	SI	2		PT		
II-SI-029SI-SW-C10	PC,PIP / PBCC,T	SI	2		UT-45S		
II-SI-029SI-SW-C11	PBCC,T / PC,RED	SI	2		PT		
II-SI-029SI-SW-C11	PBCC,T / PC,RED	SI	2		UT-45S		
II-SI-029SI-SW-C12	PBCC,T / PC,PIP	SI	2		PT		
II-SI-029SI-SW-C12	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-029SI-SW-C13	PC,PIP / PC,RED	SI	2		PT		
II-SI-029SI-SW-C13	PC,PIP / PC,RED	SI	2		UT-45S		
II-SI-029SI-SW-C14	PC,PIP / PBCC,T	SI	2	2-1-09	PT	2R2-003	
II-SI-029SI-SW-C14	PC,PIP / PBCC,T	SI	2	2-1-09	UT-45S	2R2-003	
II-SI-029SI-SW-C3	PC,PIP / PC,RED	SI	2		PT		
II-SI-029SI-SW-C3	PC,PIP / PC,RED	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.21 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-029SI-SW-C4	PBCC,T / PC,PIP	SI	2		PT		
II-SI-029SI-SW-C4	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-029SI-SW-C5	PBCC,T / PC,PIP	SI	2		PT		
II-SI-029SI-SW-C5	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-029SI-SW-C6	PC,PIP / PC,RED	SI	2		PT		
II-SI-029SI-SW-C6	PC,PIP / PC,RED	SI	2		UT-45S		
II-SI-029SI-SW-C7	PC,PIP / PBCC,T	SI	2		PT		
II-SI-029SI-SW-C7	PC,PIP / PBCC,T	SI	2		UT-45S		
II-SI-029SI-SW-C8	PBCC,T / PC,PIP	SI	2		PT		
II-SI-029SI-SW-C8	PBCC,T / PC,PIP	SI	2		UT-45S		
II-SI-029SI-SW-C9	PBCC,T / PC,PIP	SI	2		PT		
II-SI-029SI-SW-C9	PBCC,T / PC,PIP	SI	2		UT-45S		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.22 PIPING LONGITUDINAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.30	SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-016SI-138-4-SW-1	PSW,E / PC,PIP	SI	2		PT		
II-SI-016SI-138-4-SW-2	PC,PIP / PSW,E	SI	2		PT		
II-SI-016SI-139-2-SW-1	PC,PB / PC,PB	SI	2		PT		
II-SI-016SI-139-2-SW-3	PC,PB / PC,PB	SI	2		PT		
II-SI-016SI-139-2-SW-4	PC,PB / PC,PB	SI	2		PT		
II-SI-016SI-139-2-SW-5	PC,PIP / PSW,C	SI	2		PT		
II-SI-016SI-139-2-SW-6	PSW,C / PC,PIP	SI	2		PT		
II-SI-016SI-139-2-SW-7	PC,PB / PSW,E	SI	2		PT		
II-SI-016SI-191-1-SW-1	PC,PIP / PF,WN	SI	2		PT		
II-SI-016SI-FW-395	PSW,E / PC,PIP	SI	2	2-2-11	PT		
II-SI-016SI-FW-396	PBC,S / PC,PIP	SI	2	2-2-11	PT		
II-SI-016SI-FW-397	PSW,C / PC,PB	SI	2		PT		
II-SI-016SI-FW-398	PC,PIP / PSW,C	SI	2		PT		

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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.30	SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-016SI-FW-399	PC,PB / PSW,C	SI	2		PT		
II-SI-016SI-FW-400	PC,PB / PSW,C	SI	2		PT		
II-SI-016SI-FW-401	PSW,E / PC,PIP	SI	2		PT		
II-SI-016SI-FW-402	PC,PB / PSW,C	SI	2		PT		
II-SI-016SI-FW-403	PSW,C / PC,PB	SI	2		PT		
II-SI-016SI-FW-404	PSW,C / PC,PB	SI	2		PT		
II-SI-016SI-FW-678	PC,PIP / PSW,VL	SI	2		PT		
II-SI-016SI-FW-679	PSW,VL / PC,PIP	SI	2		PT		
II-SI-016SI-FW-680	PC,PIP / PSW,VL	SI	2		PT		
II-SI-016SI-FW-915	PC,PIP / PSW,VL	SI	2		PT		
II-SI-016SI-FW-916	PSW,VL / PC,PIP	SI	2		PT		
II-SI-016SI-FW-917	PC,PIP / PSW,VL	SI	2		PT		
II-SI-016SI-SW-D7	PC,PIP / PSW,C	SI	2		PT		

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CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.30	SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-016SI-SW-D8	PC,PIP / PSW,C	SI	2		PT		
II-SI-016SI-SW-E3	PC,PIP / PSW,E	SI	2	2-2-11	PT		
II-SI-016SI-SW-F3	PC,PIP / PF,WN	SI	2		PT		
II-SI-016SI-SW-G3	PF,WN / PC,PIP	SI	2		PT		
II-SI-016SI-SW-I10	PC,PIP / PSW,E	SI	2		PT		
II-SI-016SI-SW-I11	PSW,E / PC,PIP	SI	2		PT		
II-SI-016SI-SW-I12	PC,PB / PSW,E	SI	2		PT		
II-SI-016SI-SW-I9	PSW,E / PC,PIP	SI	2		PT		
II-SI-016SI-SW-J8	PSW,C / PC,PB	SI	2		PT		
II-SI-016SI-SW-K7	PSW,C / PC,PB	SI	2		PT		
II-SI-016SI-SW-L16	PC,PIP / PC,PB	SI	2		PT		
II-SI-016SI-SW-L7	PSW,C / PC,PIP	SI	2		PT		
II-SI-016SI-SW-M6	PSW,C / PC,PB	SI	2		PT		

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.30 SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-016SI-SW-Q3	PF,WN / PC,PIP	SI	2		PT		
II-SI-016SI-SW-Q3	PC,PB / PSW,C	SI	2		PT		
II-SI-016SI-SW-Q7	PC,PB / PC,PB	SI	2		PT		
II-SI-017SI-140-3-SW-1	PSW,E / PC,PIP	SI	2	2-2-11	PT		
II-SI-017SI-140-6-SW-1	PC,PB / PSW,E	SI	2		PT		
II-SI-017SI-140-6-SW-2	PE,LR / PSW,P	SI	2		PT		
II-SI-017SI-140-6-SW-3	PSW,P / PE,LR	SI	2		PT		
II-SI-017SI-140-6-SW-4	PE,LR / PSW,P	SI	2		PT		
II-SI-017SI-FW-405	PC,PB / PSW,E	SI	2	2-2-11	PT		
II-SI-017SI-FW-406	PSW,C / PC,PB	SI	2		PT		
II-SI-017SI-FW-407	PSW,C / PC,PB	SI	2		PT		
II-SI-017SI-FW-408	PSW,C / PC,PB	SI	2		PT		
II-SI-017SI-FW-409	PSW,E / PC,PB	SI	2		PT		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.30 SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-017SI-FW-675	PC,PIP / PSW,VL	SI	2		PT		
II-SI-017SI-FW-676	PSW,VL / PC,PIP	SI	2		PT		
II-SI-017SI-FW-677	PC,PB / PSW,VL	SI	2		PT		
II-SI-017SI-SW-F3	PSW,F / PC,PIP	SI	2		PT		
II-SI-017SI-SW-G3	PC,PB / PSW,F	SI	2		PT		
II-SI-017SI-SW-H15	PC,PB / PSW,E	SI	2		PT		
II-SI-017SI-SW-H16	PSW,E / PC,PIP	SI	2		PT		
II-SI-017SI-SW-H17	PC,PIP / PSW,E	SI	2		PT		
II-SI-017SI-SW-I14	PC,PB / PSW,C	SI	2		PT		
II-SI-017SI-SW-J13	PC,PB / PSW,C	SI	2		PT		
II-SI-017SI-SW-K10	PC,PIP / PSW,E	SI	2		PT		
II-SI-017SI-SW-K11	PSW,E / PC,PB	SI	2		PT		
II-SI-017SI-SW-K12	PC,PB / PSW,C	SI	2		PT		

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.30	SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-018SI-FW-383	PBC,S / PC,PB	SI	2	2-2-11	PT		
II-SI-018SI-FW-384	PC,PIP / PC,VLV	SI	2		PT		
II-SI-018SI-FW-385	PC,VLV / PC,PIP	SI	2		PT		
II-SI-018SI-FW-386	PC,PIP / PC,VLV	SI	2		PT		
II-SI-018SI-SW-H3	PF,RFW / PC,PIP	SI	2		PT		
II-SI-018SI-SW-13	PC,PB / PF,RFW	SI	2		PT		
II-SI-019SI-127-FW-357	PC,PB / PSW,C	SI	2		PT		
II-SI-019SI-128-FW-357	PC,PB / PC,VLV	SI	2		PT		
II-SI-019SI-FW-351	PSW,C / PC,PB	SI	2	2-2-11	PT		
II-SI-019SI-FW-352	PSW,C / PC,PB	SI	2	2-2-11	PT		
II-SI-019SI-FW-353	PSW,E / PC,PB	SI	2		PT		
II-SI-019SI-FW-354	PC,PB / PSW,C	SI	2		PT		
II-SI-019SI-FW-355	PC,PIP / PSW,C	SI	2		PT		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.30 SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-019SI-FW-356	PC,PB / PSW,C	SI	2		PT		
II-SI-019SI-FW-358	PC,VLV / PC,PB	SI	2		PT		
II-SI-019SI-FW-359	PC,PIP / PC,VLV	SI	2		PT		
II-SI-019SI-SW-G3	PF,WN / PC,PB	SI	2		PT		
II-SI-019SI-SW-H3	PC,PIP / PF,WN	SI	2		PT		
II-SI-019SI-SW-H4	PSW,C / PC,PIP	SI	2		PT		
II-SI-019SI-SW-I9	PSW,C / PC,PB	SI	2		PT		
II-SI-019SI-SW-J10	PSW,C / PC,PB	SI	2		PT		
II-SI-019SI-SW-K11	PSW,C / PC,PIP	SI	2		PT		
II-SI-019SI-SW-M3	PC,PB / PSW,E	SI	2		PT		
II-SI-019SI-SW-M4	PSW,E / PC,PIP	SI	2		PT		
II-SI-019SI-SW-M5	PC,PIP / PSW,E	SI	2		PT		
II-SI-019SI-SW-N3	PC,PB / PSW,C	SI	2	2-2-11	PT		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.30 SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-020SI-131-1-SW-1	PC,PIP / PSW,E	SI	2	2-3-13	PT		
II-SI-020SI-FW-367	PSW,C / PC,PIP	SI	2	2-3-13	PT		
II-SI-020SI-FW-368	PC,PB / PSW,C	SI	2		PT		
II-SI-020SI-FW-369	PC,PB / PSW,C	SI	2		PT		
II-SI-020SI-FW-370	PC,PB / PSW,C	SI	2		PT		
II-SI-020SI-FW-371	PC,PB / PSW,C	SI	2		PT		
II-SI-020SI-FW-372	PC,PB / PC,VLV	SI	2		PT		
II-SI-020SI-FW-373	PC,VLV / PC,PB	SI	2		PT		
II-SI-020SI-FW-374	PC,PB / PC,VLV	SI	2		PT		
II-SI-020SI-SW-F3	PF,WN / PC,PB	SI	2		PT		
II-SI-020SI-SW-G3	PC,PB / PF,WN	SI	2		PT		
II-SI-020SI-SW-G4	PSW,C / PC,PB	SI	2		PT		
II-SI-020SI-SW-H15	PSW,C / PC,PB	SI	2		PT		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.30	SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-020SI-SW-I14	PSW,C / PC,PB	SI	2		PT		
II-SI-020SI-SW-J13	PSW,C / PC,PB	SI	2		PT		
II-SI-020SI-SW-K10	PSW,E / PC,PIP	SI	2		PT		
II-SI-020SI-SW-K11	PC,PIP / PSW,E	SI	2		PT		
II-SI-020SI-SW-K12	PSW,E / PC,PB	SI	2		PT		
II-SI-020SI-SW-K21	PC,PB / PC,PB	SI	2		PT		
II-SI-027SI-FW-569	PC,RED / PSW,C	SI	2	2-3-13	PT		
II-SI-027SI-FW-570	PSW,R / PSW,C	SI	2		PT		
II-SI-027SI-FW-639	PC,PB / PC,VLV	SI	1		PT		
II-SI-027SI-FW-640	PC,VLV / PC,PB	SI	2		PT		
II-SI-027SI-FW-641	PC,PIP / PC,VLV	SI	2		PT		
II-SI-027SI-SW-H3	PF,WN / PC,PIP	SI	2		PT		
II-SI-027SI-SW-I3	PC,PIP / PF,WN	SI	2		PT		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1
ITEM NO. C5.30

PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-027SI-SW-15	PSW,C / PC,PIP	SI	2	2-3-13	PT		
II-SI-029SI-FW-597	PSW,R / PSW,C	SI	2		PT		
II-SI-029SI-FW-600	PC,RED / PSW,C	SI	2	2-1-09	PT		
II-SI-029SI-FW-786	PC,PIP / PSW,VL	SI	2		PT		
II-SI-029SI-FW-787	PSW,VL / PC,PIP	SI	2		PT		
II-SI-029SI-FW-788	PC,PIP / PSW,VL	SI	2		PT		
II-SI-029SI-FW-886	PC,PB / PSW,C	SI	2	2-1-09	PT		
II-SI-029SI-FW-887	PC,PB / PSW,C	SI	2		PT		
II-SI-029SI-FW-888	PC,PIP / PSW,VL	SI	2		PT		
II-SI-029SI-FW-889	PSW,VL / PC,PB	SI	2		PT		
II-SI-029SI-FW-890	PC,PB / PSW,VL	SI	2		PT		
II-SI-029SI-SW-D10	PSW,C / PC,PB	SI	2		PT		
II-SI-029SI-SW-E9	PSW,C / PC,PB	SI	2		PT		

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ISI Component/Examination Listing for 2nd 10-Year Interval

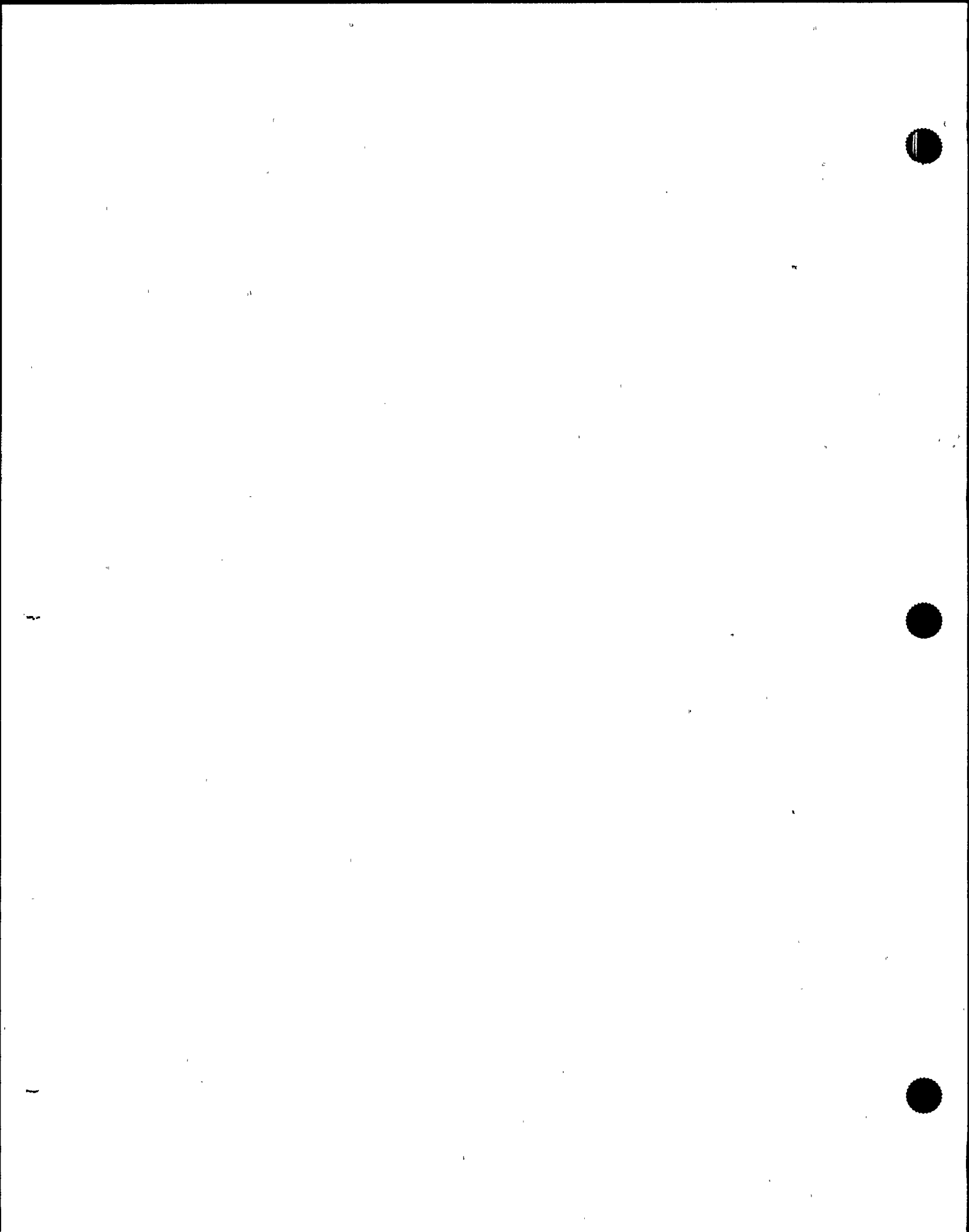
CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.30	SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-029SI-SW-F7	PC,PB / PF,WN	SI	2		PT		
II-SI-029SI-SW-F8	PSW,C / PC,PB	SI	2		PT		
II-SI-029SI-SW-G3	PF,WN / PC,PIP	SI	2		PT		
II-SI-029SI-SW-I3	PC,PB / PF,WN	SI	2		PT		
II-SI-029SI-SW-I4	PSW,C / PC,PB	SI	2		PT		
II-SI-029SI-SW-J3	PF,WN / PC,PIP	SI	2		PT		
II-SI-030SI-FW-810	PC,PB / PSW,C	SI	2		PT		
II-SI-030SI-FW-811	PC,PB / PSW,C	SI	2		PT		
II-SI-030SI-FW-812	PC,PB / PSW,C	SI	2		PT		
II-SI-030SI-FW-813	PC,PIP / PSW,C	SI	2		PT		
II-SI-030SI-FW-814	PC,PB / PSW,C	SI	2		PT		
II-SI-030SI-FW-815	PC,PB / PSW,C	SI	2		PT		
II-SI-030SI-FW-816	PC,PB / PSW,VL	SI	2		PT		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.30 SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-030SI-FW-817	PSW,VL / PC,PB	SI	2	2-1-09	PT		
II-SI-030SI-FW-818	PC,PB / PSW,VL	SI	2	2-1-09	PT		
II-SI-030SI-SW-C3	PF,WN / PC,PIP	SI	2		PT		
II-SI-030SI-SW-D7	PC,PIP / PF,WN	SI	2		PT		
II-SI-030SI-SW-D8	PSW,C / PC,PB	SI	2		PT		
II-SI-030SI-SW-E9	PSW,C / PC,PB	SI	2		PT		
II-SI-030SI-SW-F10	PSW,C / PC,PB	SI	2		PT		
II-SI-030SI-SW-G9	PSW,C / PC,PB	SI	2		PT		
II-SI-030SI-SW-H10	PSW,C / PC,PB	SI	2		PT		
II-SI-030SI-SW-I11	PSW,C / PC,PB	SI	2		PT		
II-SI-030SI-SW-J12	PSW,C / PC,PB	SI	2		PT		
II-SI-030SI-SW-J18	PC,PB / PC,PIP	SI	2		PT		
II-SI-031SI-FW-642	PBC,S / PC,PIP	SI	2	2-1-09	PT		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.30	SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-031SI-FW-647	PC,PB / PSW,C	SI	2		PT		
II-SI-031SI-FW-718	PC,PB / PSW,C	SI	2		PT		
II-SI-031SI-FW-719	PC,PB / PSW,C	SI	2		PT		
II-SI-031SI-FW-720	PC,PB / PSW,C	SI	2		PT		
II-SI-031SI-FW-721	PC,PIP / PSW,E	SI	2		PT		
II-SI-031SI-FW-982	PC,PB / PSW,VL	SI	2		PT		
II-SI-031SI-FW-983	PSW,VL / PC,PB	SI	2		PT		
II-SI-031SI-FW-984	PC,PB / PSW,VL	SI	2		PT		
II-SI-031SI-SW-B3	PSW,F / PC,PB	SI	2		PT		
II-SI-031SI-SW-C3	PC,PB / PSW,F	SI	2		PT		
II-SI-031SI-SW-C4	PSW,E / PC,PB	SI	2		PT		
II-SI-031SI-SW-C5	PC,PIP / PSW,E	SI	2		PT		
II-SI-031SI-SW-C6	PSW,E / PC,PIP	SI	2		PT		



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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.30 SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-031SI-SW-D12	PSW,C / PC,PB	SI	2		PT		
II-SI-031SI-SW-E11	PSW,C / PC,PB	SI	2		PT		
II-SI-031SI-SW-F10	PSW,C / PC,PB	SI	2		PT		
II-SI-031SI-SW-G9	PSW,C / PC,PB	SI	2		PT		
II-SI-031SI-SW-H3	PSW,E / PC,PIP	SI	2		PT		
II-SI-031SI-SW-H4	PC,PIP / PSW,E	SI	2		PT		
II-SI-031SI-SW-H5	PSW,E / PC,PIP	SI	2		PT		
II-SI-031SI-SW-H6	PC,PIP / PSW,T	SI	2		PT		
II-SI-031SI-SW-H7	PSW,T / PC,PB	SI	2		PT		
II-SI-031SI-SW-H8	PC,PIP / PSW,E	SI	2	2-1-09	PT		
II-SI-032SI-FW-976	PC,PIP / PSW,E	SI	2		PT		
II-SI-032SI-FW-977	PSW,C / PC,PB	SI	2		PT		
II-SI-032SI-FW-978	PSW,C / PC,PB	SI	2		PT		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-1	PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING					
ITEM NO.	C5.30	SOCKET WELDS					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-SI-032SI-FW-979	PC,PIP / PSW,VL	SI	2		PT		
II-SI-032SI-FW-980	PSW,VL / PC,PIP	SI	2		PT		
II-SI-032SI-FW-981	PC,PIP / PSW,VL	SI	2	2-1-09	PT		
II-SI-032SI-SW-C3	PF,WN / PC,PIP	SI	2		PT		
II-SI-032SI-SW-D3	PC,PB / PF,WN	SI	2		PT		
II-SI-032SI-SW-E5	PC,PB / PSW,C	SI	2		PT		
II-SI-032SI-SW-F10	PC,PB / PC,PB	SI	2		PT		
II-SI-032SI-SW-F6	PC,PB / PSW,C	SI	2		PT		
II-SI-032SI-SW-F7	PSW,E / PC,PB	SI	2		PT		
II-SI-032SI-SW-G3	PSW,E / PC,PIP	SI	2		PT		
II-SI-032SI-SW-G4	PC,PB / PSW,E	SI	2		PT		
II-SI-032SI-SW-G5	PSW,C / PC,PB	SI	2		PT		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

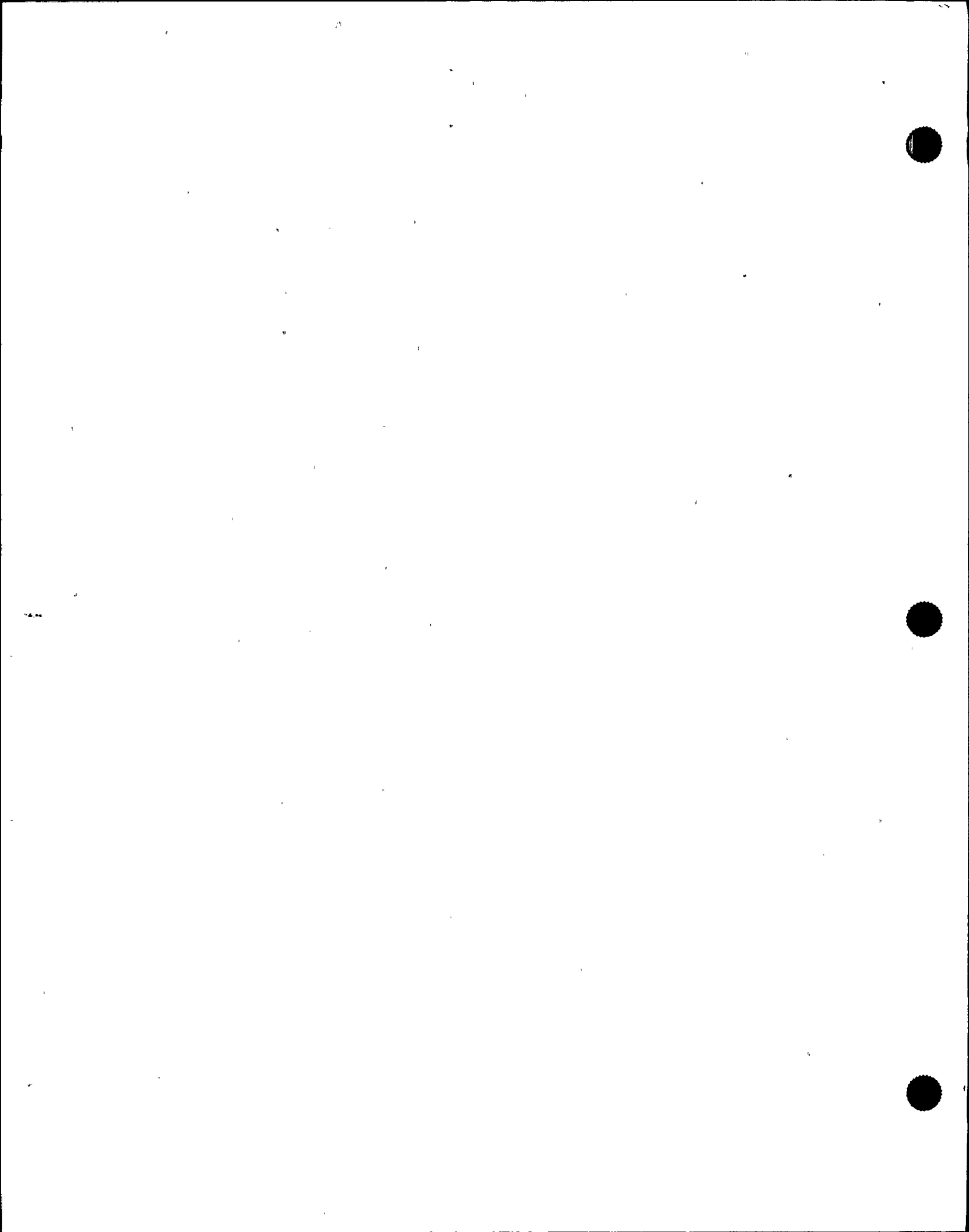
CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.41 PIPE BRANCH CONNECTION CIRCUMFERENTIAL WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

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CATEGORY C-F-1 PRESSURE RETAINING WELDS IN STAINLESS STEEL OR HIGH ALLOY PIPING
ITEM NO. C5.42 PIPE BRANCH CONNECTION LONGITUDINAL WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-008AF-01-FW-14	PC,PB / PC,PB	AF	2		MT		New weld. Pipe replacement.
II-AF-008AF-01-FW-14	PC,PB / PC,PB	AF	2		UT-45S		New weld. Pipe replacement.
II-AF-008AF-01-FW-16	PC,PB / PC,PB	AF	2		MT		New weld. Pipe replacement.
II-AF-008AF-01-FW-16	PC,PB / PC,PB	AF	2		UT-45S		New weld. Pipe replacement.
II-AF-008AF-01-FW-2	PE,LR / PC,PIP	AF	2		MT		Was II-AF-008AF-FW-439.
II-AF-008AF-01-FW-2	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-008AF-FW-439.
II-AF-008AF-01-FW-3	PC,PIP / PE,LR	AF	2		MT		Was II-AF-008AF-SW-F3.
II-AF-008AF-01-FW-3	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-008AF-SW-F3.
II-AF-008AF-01-FW-4	PE,LR / PC,PIP	AF	2		MT		Was II-AF-008AF-SW-F4.
II-AF-008AF-01-FW-4	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-008AF-SW-F4.
II-AF-008AF-01-FW-5	PC,PIP / PE,LR	AF	2		MT		Was II-AF-008AF-FW-438.
II-AF-008AF-01-FW-5	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-008AF-FW-438.

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CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-008AF-01-FW-6	PE,LR / PC,PIP	AF	2		MT		Was II-AF-008AF-SW-E3.
II-AF-008AF-01-FW-6	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-008AF-SW-E3.
II-AF-008AF-01-FW-8	PE,LR / PC,PIP	AF	2		MT		Was II-AF-008AF-SW-D4.
II-AF-008AF-01-FW-8	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-008AF-SW-D4.
II-AF-008AF-01-FW-9	PC,PIP / PE,LR	AF	2		MT		Was II-AF-008AF-FW-437.
II-AF-008AF-01-FW-9	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-008AF-FW-437.
II-AF-008AF-02-FW-1	PP,FHS / PC,PB	AF	2		MT		Was II-AF-008AF-FW-433.
II-AF-008AF-02-FW-1	PP,FHS / PC,PB	AF	2		UT-45S		Was II-AF-008AF-FW-433.
II-AF-008AF-02-FW-10	PC,PB / PE,LR	AF	2		MT		Was II-AF-008AF-SW-D3.
II-AF-008AF-02-FW-10	PC,PB / PE,LR	AF	2		UT-45S		Was II-AF-008AF-SW-D3.
II-AF-008AF-02-FW-11	PC,PIP / PE,LR	AF	2		MT		Was II-AF-008AF-SW-G4.
II-AF-008AF-02-FW-11	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-008AF-SW-G4.



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-008AF-02-FW-12	PE,LR / PC,PIP	AF	2		MT		Was II-AF-008AF-SW-G3.
II-AF-008AF-02-FW-12	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-008AF-SW-G3.
II-AF-008AF-02-FW-13	PC,PIP / PC,VLV	AF	2		MT		Was II-AF-008AF-FW-440.
II-AF-008AF-02-FW-13	PC,PIP / PC,VLV	AF	2		UT-45S		Was II-AF-008AF-FW-440.
II-AF-008AF-02-FW-14	PC,VLV / PC,PIP	AF	2		MT		Was II-AF-008AF-FW-441.
II-AF-008AF-02-FW-14	PC,VLV / PC,PIP	AF	2		UT-45S		Was II-AF-008AF-FW-441.
II-AF-008AF-02-FW-15	PC,PIP / PE,LR	AF	2	2-1-09	MT		Was II-AF-008AF-SW-H3.
II-AF-008AF-02-FW-15	PC,PIP / PE,LR	AF	2	2-1-09	UT-45S		Was II-AF-008AF-SW-H3.
II-AF-008AF-02-FW-2	PC,PB / PC,PB	AF	2		MT		Was II-AF-008AF-SW-A3.
II-AF-008AF-02-FW-2	PC,PB / PC,PB	AF	2		UT-45S		Was II-AF-008AF-SW-A3.
II-AF-008AF-02-FW-3	PC,PB / PC,PB	AF	2		MT		Was II-AF-008AF-FW-434.
II-AF-008AF-02-FW-3	PC,PB / PC,PB	AF	2		UT-45S		Was II-AF-008AF-FW-434.



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-008AF-02-FW-4	PC,PB / PC,PB	AF	2		MT		Was II-AF-008AF-SW-B3.
II-AF-008AF-02-FW-4	PC,PB / PC,PB	AF	2		UT-45S		Was II-AF-008AF-SW-B3.
II-AF-008AF-02-FW-5	PC,PB / PC,PB	AF	2		MT		New weld. Pipe replacement.
II-AF-008AF-02-FW-5	PC,PB / PC,PB	AF	2		UT-45S		New weld. Pipe replacement.
II-AF-008AF-02-FW-6	PC,PB / PC,PB	AF	2		MT		Was II-AF-008AF-FW-435.
II-AF-008AF-02-FW-6	PC,PB / PC,PB	AF	2		UT-45S		Was II-AF-008AF-FW-435.
II-AF-008AF-02-FW-7	PC,PB / PC,PB	AF	2		MT		Was II-AF-008AF-SW-C3.
II-AF-008AF-02-FW-7	PC,PB / PC,PB	AF	2		UT-45S		Was II-AF-008AF-SW-C3.
II-AF-008AF-02-FW-8	PC,PB / PC,PB	AF	2		MT		Was II-AF-008AF-SW-C10.
II-AF-008AF-02-FW-8	PC,PB / PC,PB	AF	2		UT-45S		Was II-AF-008AF-SW-C10.
II-AF-008AF-02-FW-9	PC,PB / PC,PB	AF	2		MT		Was II-AF-008AF-FW-436.
II-AF-008AF-02-FW-9	PC,PB / PC,PB	AF	2		UT-45S		Was II-AF-008AF-FW-436.



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-008AF-FW-442	PC,PIP / VSG1A	AF	2	2-1-09	MT		
II-AF-008AF-FW-442	PC,PIP / VSG1A	AF	2	2-1-09	UT-45S		
II-AF-008AF-M108-PW-1	PP,FHS / NTERN	AF	2		MT		
II-AF-008AF-M108-PW-1	PP,FHS / NTERN	AF	2		UT-45S		
II-AF-009AF-01-FW-1	PC,PIP / PE,LR	AF	2		MT		Was II-AF-009AF-SW-A3.
II-AF-009AF-01-FW-1	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-009AF-SW-A3.
II-AF-009AF-01-FW-10	PE,LR / PC,PIP	AF	2		MT		Was II-AF-009AF-FW-427.
II-AF-009AF-01-FW-10	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-009AF-FW-427.
II-AF-009AF-01-FW-11	PC,PIP / PE,LR	AF	2		MT		Was II-AF-009AF-SW-B5.
II-AF-009AF-01-FW-11	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-009AF-SW-B5.
II-AF-009AF-01-FW-12	PE,LR / PC,PIP	AF	2		MT		Was II-AF-009AF-SW-B4.
II-AF-009AF-01-FW-12	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-009AF-SW-B4.



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-009AF-01-FW-13	PC,PIP / PE,LR	AF	2		MT		Was II-AF-009AF-SW-B3.
II-AF-009AF-01-FW-13	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-009AF-SW-B3.
II-AF-009AF-01-FW-14	PE,LR / PC,PIP	AF	2		MT		Was II-AF-009AF-FW-428.
II-AF-009AF-01-FW-14	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-009AF-FW-428.
II-AF-009AF-01-FW-15	PC,PIP / PE,LR	AF	2		MT		Was II-AF-009AF-SW-C3.
II-AF-009AF-01-FW-15	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-009AF-SW-C3.
II-AF-009AF-01-FW-16	PE,LR / PC,PIP	AF	2		MT		Was II-AF-009AF-SW-C4.
II-AF-009AF-01-FW-16	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-009AF-SW-C4.
II-AF-009AF-01-FW-17	PC,PIP / PE,LR	AF	2		MT		Was II-AF-009AF-FW-429.
II-AF-009AF-01-FW-17	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-009AF-FW-429.
II-AF-009AF-01-FW-18	PE,LR / PC,PIP	AF	2		MT		Was II-AF-009AF-SW-D3.
II-AF-009AF-01-FW-18	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-009AF-SW-D3.

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-009AF-01-FW-19	PC,PB / PE,LR	AF	2		MT		Was II-AF-009AF-SW-D4.
II-AF-009AF-01-FW-19	PC,PB / PE,LR	AF	2		UT-45S		Was II-AF-009AF-SW-D4.
II-AF-009AF-01-FW-2	PE,LR / PC,PIP	AF	2		MT		Was II-AF-009AF-SW-A4.
II-AF-009AF-01-FW-2	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-009AF-SW-A4.
II-AF-009AF-01-FW-20	PE,LR / PC,PIP	AF	2	2-2-10	MT		Was II-AF-009AF-SW-D5.
II-AF-009AF-01-FW-20	PE,LR / PC,PIP	AF	2	2-2-10	UT-45S		Was II-AF-009AF-SW-D5.
II-AF-009AF-01-FW-21	PC,PIP / PC,VLV	AF	2		MT		Was II-AF-009AF-FW-430.
II-AF-009AF-01-FW-21	PC,PIP / PC,VLV	AF	2		UT-45S		Was II-AF-009AF-FW-430.
II-AF-009AF-01-FW-23	PP,FHS / PC,PIP	AF	2		MT		Was II-AF-009AF-FW-426.
II-AF-009AF-01-FW-23	PP,FHS / PC,PIP	AF	2		UT-45S		Was II-AF-009AF-FW-426.
II-AF-009AF-01-FW-27	PC,PIP / PC,PIP	AF	2		MT		New weld. Pipe replacement.
II-AF-009AF-01-FW-27	PC,PIP / PC,PIP	AF	2		UT-45S		New weld. Pipe replacement.

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-009AF-01-FW-3	PC,PIP / PE,LR	AF	2		MT		Was II-AF-009AF-SW-A5.
II-AF-009AF-01-FW-3	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-009AF-SW-A5.
II-AF-009AF-01-FW-30	PC,PIP / PC,PIP	AF	2		MT		New weld. Pipe replacement.
II-AF-009AF-01-FW-30	PC,PIP / PC,PIP	AF	2		UT-45S		New weld. Pipe replacement.
II-AF-009AF-01-FW-35	PC,PIP / PC,PIP	AF	2		MT		Was II-AF-009AF-SW-E3.
II-AF-009AF-01-FW-35	PC,PIP / PC,PIP	AF	2		UT-45S		Was II-AF-009AF-SW-E3.
II-AF-009AF-01-FW-37	PC,VLV / PC,PIP	AF	2	2-2-10	MT		Was II-AF-009AF-FW-431.
II-AF-009AF-01-FW-37	PC,VLV / PC,PIP	AF	2	2-2-10	UT-45S		Was II-AF-009AF-FW-431.
II-AF-009AF-01-FW-4	PE,LR / PC,PIP	AF	2		MT		Was II-AF-009AF-SW-A6.
II-AF-009AF-01-FW-4	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-009AF-SW-A6.
II-AF-009AF-01-FW-7	PC,PIP / PE,LR	AF	2		MT		Was II-AF-009AF-SW-A7.
II-AF-009AF-01-FW-7	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-009AF-SW-A7.

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-009AF-01-FW-8	PE,LR / PC,PIP	AF	2		MT		Was II-AF-009AF-SW-A8.
II-AF-009AF-01-FW-8	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-009AF-SW-A8.
II-AF-009AF-01-FW-9	PC,PIP / PE,LR	AF	2		MT		Was II-AF-009AF-SW-A9.
II-AF-009AF-01-FW-9	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-009AF-SW-A9.
II-AF-009AF-FW-432	PC,PIP / VNOZ1	AF	2		MT		
II-AF-009AF-FW-432	PC,PIP / VNOZ1	AF	2		UT-45S		
II-AF-009AF-M109-PW-1	PP,FHS / NTERN	AF	2		MT		
II-AF-009AF-M109-PW-1	PP,FHS / NTERN	AF	2		UT-45S		
II-AF-010AF-01-FW-1	PP,FHS / PC,PB	AF	2		MT		Was II-AF-010AF-FW-443.
II-AF-010AF-01-FW-1	PP,FHS / PC,PB	AF	2		UT-45S		Was II-AF-010AF-FW-443.
II-AF-010AF-01-FW-2	PC,PB / PC,PIP	AF	2		MT		Was II-AF-010AF-SW-A3.
II-AF-010AF-01-FW-2	PC,PB / PC,PIP	AF	2		UT-45S		Was II-AF-010AF-SW-A3.

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-010AF-01-FW-24	PC,PIP / PE,LR	AF	2		MT		Was II-AF-010AF-SW-G3.
II-AF-010AF-01-FW-24	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-010AF-SW-G3.
II-AF-010AF-01-FW-3	PC,PIP / PC,PIP	AF	2		MT		Was II-AF-010AF-FW-444.
II-AF-010AF-01-FW-3	PC,PIP / PC,PIP	AF	2		UT-45S		Was II-AF-010AF-FW-444.
II-AF-010AF-01-FW-4	PC,PIP / PC,PIP	AF	2		MT		Was II-AF-010AF-SW-B3.
II-AF-010AF-01-FW-4	PC,PIP / PC,PIP	AF	2		UT-45S		Was II-AF-010AF-SW-B3.
II-AF-010AF-02-FW-1	PC,PIP / PE,LR	AF	2		MT		Was II-AF-010AF-FW-445.
II-AF-010AF-02-FW-1	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-010AF-FW-445.
II-AF-010AF-02-FW-10	PC,PIP / PC,PIP	AF	2		MT		
II-AF-010AF-02-FW-10	PC,PIP / PC,PIP	AF	2		UT-45S		
II-AF-010AF-02-FW-11	PC,PIP / PE,LR	AF	2		MT		Was II-AF-010AF-SW-E4.
II-AF-010AF-02-FW-11	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-010AF-SW-E4.

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CATEGORY C-F-2
ITEM NO. C5.51

PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-010AF-02-FW-12	PE,LR / PC,PIP	AF	2		MT		Was II-AF-010AF-SW-E3.
II-AF-010AF-02-FW-12	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-010AF-SW-E3.
II-AF-010AF-02-FW-13	PC,PIP / PE,LR	AF	2		MT		
II-AF-010AF-02-FW-13	PC,PIP / PE,LR	AF	2		UT-45S		
II-AF-010AF-02-FW-13	PC,PIP / PE,LR	AF	2	2-3-13	MT		Was II-AF-010AF-FW-448.
II-AF-010AF-02-FW-13	PC,PIP / PE,LR	AF	2	2-3-13	UT-45S		Was II-AF-010AF-FW-448.
II-AF-010AF-02-FW-14	PE,LR / PC,PIP	AF	2	2-3-13	MT		Was II-AF-010AF-SW-F3.
II-AF-010AF-02-FW-14	PE,LR / PC,PIP	AF	2	2-3-13	UT-45S		Was II-AF-010AF-SW-F3.
II-AF-010AF-02-FW-15	PC,PIP / PC,PIP	AF	2		MT		Was II-AF-010AF-SW-F4.
II-AF-010AF-02-FW-15	PC,PIP / PC,PIP	AF	2		UT-45S		Was II-AF-010AF-SW-F4.
II-AF-010AF-02-FW-16	PC,PIP / PC,PB	AF	2	2-3-13	MT		Was II-AF-010AF-SW-F5.
II-AF-010AF-02-FW-16	PC,PIP / PC,PB	AF	2	2-3-13	UT-45S		Was II-AF-010AF-SW-F5.



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CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-010AF-02-FW-17	PC,PB / PC,PIP	AF	2		MT		Was II-AF-010AF-SW-F6.
II-AF-010AF-02-FW-17	PC,PB / PC,PIP	AF	2		UT-45S		Was II-AF-010AF-SW-F6.
II-AF-010AF-02-FW-18	PC,PIP / PC,PB	AF	2		MT		Was II-AF-010AF-SW-F7.
II-AF-010AF-02-FW-18	PC,PIP / PC,PB	AF	2		UT-45S		Was II-AF-010AF-SW-F7.
II-AF-010AF-02-FW-19	PC,PB / PC,PIP	AF	2		MT		Was II-AF-010AF-SW-F8.
II-AF-010AF-02-FW-19	PC,PB / PC,PIP	AF	2		UT-45S		Was II-AF-010AF-SW-F8.
II-AF-010AF-02-FW-2	PE,LR / PC,PIP	AF	2		MT		Was II-AF-010AF-SW-C8.
II-AF-010AF-02-FW-2	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-010AF-SW-C8.
II-AF-010AF-02-FW-20	PC,PIP / PC,VLV	AF	2		MT		Was II-AF-010AF-FW-449.
II-AF-010AF-02-FW-20	PC,PIP / PC,VLV	AF	2		UT-45S		Was II-AF-010AF-FW-449.
II-AF-010AF-02-FW-26	PC,VLV / PC,PIP	AF	2		MT		Was II-AF-010AF-FW-450.
II-AF-010AF-02-FW-26	PC,VLV / PC,PIP	AF	2		UT-45S		Was II-AF-010AF-FW-450.

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CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-010AF-02-FW-3	PC,PIP / PE,LR	AF	2		MT		Was II-AF-010AF-SW-C7.
II-AF-010AF-02-FW-3	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-010AF-SW-C7.
II-AF-010AF-02-FW-4	PE,LR / PC,PIP	AF	2		MT		Was II-AF-010AF-SW-C6.
II-AF-010AF-02-FW-4	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-010AF-SW-C6.
II-AF-010AF-02-FW-5	PC,PIP / PE,LR	AF	2		MT		Was II-AF-010AF-SW-C5.
II-AF-010AF-02-FW-5	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-010AF-SW-C5.
II-AF-010AF-02-FW-6	PE,LR / PC,PIP	AF	2		MT		Was II-AF-010AF-SW-C4.
II-AF-010AF-02-FW-6	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-010AF-SW-C4.
II-AF-010AF-02-FW-7	PC,PIP / PE,LR	AF	2		MT		Was II-AF-010AF-SW-C3.
II-AF-010AF-02-FW-7	PC,PIP / PE,LR	AF	2		UT-45S		Was II-AF-010AF-SW-C3.
II-AF-010AF-02-FW-8	PE,LR / PC,PIP	AF	2		MT		Was II-AF-010AF-FW-446.
II-AF-010AF-02-FW-8	PE,LR / PC,PIP	AF	2		UT-45S		Was II-AF-010AF-FW-446.

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CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-AF-010AF-02-FW-9	PC,PB / PC,PB	AF	2		MT		Was II-AF-010AF-FW-447.
II-AF-010AF-02-FW-9	PC,PB / PC,PB	AF	2		UT-45S		Was II-AF-010AF-FW-447.
II-AF-010AF-FW-451	PC,PIP / VNOZ1	AF	2		MT		
II-AF-010AF-FW-451	PC,PIP / VNOZ1	AF	2		UT-45S		
II-AF-010AF-M110-PW-1	PP,FHS / NTERN	AF	2		MT		
II-AF-010AF-M110-PW-1	PP,FHS / NTERN	AF	2		UT-45S		
II-FMR-01FW-135-4-SW-1	PC,PB / PE,LR	FW	2		MT		
II-FMR-01FW-135-4-SW-1	PC,PB / PE,LR	FW	2		UT-45S		
II-FMR-01FW-135-5-SW-1	PE,LR / PC,PIP	FW	2		MT		
II-FMR-01FW-135-5-SW-1	PE,LR / PC,PIP	FW	2		UT-45S		
II-FMR-01FW-FW-492	PP,FHS / PC,PIP	FW	2		MT		
II-FMR-01FW-FW-492	PP,FHS / PC,PIP	FW	2		UT-45S		



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CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01FW-FW-493	PC,PB / PC,PIP	FW	2		MT		
II-FMR-01FW-FW-493	PC,PB / PC,PIP	FW	2		UT-45S		
II-FMR-01FW-FW-494	PC,PB / PC,PB	FW	2		MT		
II-FMR-01FW-FW-494	PC,PB / PC,PB	FW	2		UT-45S		
II-FMR-01FW-FW-495	PC,PB / PC,PB	FW	2		MT		
II-FMR-01FW-FW-495	PC,PB / PC,PB	FW	2		UT-45S		
II-FMR-01FW-FW-496	PE,LR / PC,PIP	FW	2		MT		
II-FMR-01FW-FW-496	PE,LR / PC,PIP	FW	2		UT-45S		
II-FMR-01FW-FW-497	PE,LR / VNOZ1	FW	2	2-2-10	MT		
II-FMR-01FW-FW-497	PE,LR / VNOZ1	FW	2	2-2-10	UT-00		
II-FMR-01FW-FW-497	PE,LR / VNOZ1	FW	2	2-2-10	UT-45S		
II-FMR-01FW-FW-497	PE,LR / VNOZ1	FW	2	2-2-10	UT-60L		

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CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01FW-FW-498	PC,PIP / PE,LR	FW	2		MT		
II-FMR-01FW-FW-498	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-01FW-M4-PW-1	PP,FHS / NTERN	FW	2		MT		
II-FMR-01FW-M4-PW-1	PP,FHS / NTERN	FW	2		UT-45S		
II-FMR-01FW-SW-F14	PC,PIP / PC,PIP	FW	2		MT		
II-FMR-01FW-SW-F14	PC,PIP / PC,PIP	FW	2		UT-45S		
II-FMR-01FW-SW-F3	PC,PIP / PE,LR	FW	2		MT		
II-FMR-01FW-SW-F3	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-01FW-SW-F4	PE,LR / PC,PIP	FW	2		MT		
II-FMR-01FW-SW-F4	PE,LR / PC,PIP	FW	2		UT-45S		
II-FMR-01FW-SW-G10	PC,PIP / PC,PB	FW	2		MT		
II-FMR-01FW-SW-G10	PC,PIP / PC,PB	FW	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01FW-SW-J3	PC,PIP / PE,LR	FW	2		MT		
II-FMR-01FW-SW-J3	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-01FW-SW-J5	PC,PIP / PE,LR	FW	2		MT		
II-FMR-01FW-SW-J5	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-01FW-SW-J6	PE,LR / PC,PIP	FW	2		MT		
II-FMR-01FW-SW-J6	PE,LR / PC,PIP	FW	2		UT-45S		
II-FMR-01FW-SW-K3	PE,LR / PC,PIP	FW	2	2-2-10	MT		
II-FMR-01FW-SW-K3	PE,LR / PC,PIP	FW	2	2-2-10	UT-45S		
II-FMR-01FW-SW-K4	PC,PIP / PE,LR	FW	2		MT		
II-FMR-01FW-SW-K4	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-01FW-SW-K5	PE,LR / PC,PIP	FW	2		MT		
II-FMR-01FW-SW-K5	PE,LR / PC,PIP	FW	2		UT-45S		



Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01FW-SW-K6	PC,PIP / PE,LR	FW	2		MT		
II-FMR-01FW-SW-K6	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-01MS-FW-227	PC,PB / PC,PB	MS	2		MT		
II-FMR-01MS-FW-227	PC,PB / PC,PB	MS	2		UT-45S		
II-FMR-01MS-FW-228	PC,PIP / PE,LR	MS	2		MT		
II-FMR-01MS-FW-228	PC,PIP / PE,LR	MS	2		UT-45S		
II-FMR-01MS-FW-229	PC,PIP / PP,FHS	MS	2		MT		
II-FMR-01MS-FW-229	PC,PIP / PP,FHS	MS	2		UT-45S		
II-FMR-01MS-FW-291	PC,PIP / PE,LR	MS	2		MT		
II-FMR-01MS-FW-291	PC,PIP / PE,LR	MS	2		UT-45S		
II-FMR-01MS-FW-292	PE,LR / PC,PIP	MS	2		MT		
II-FMR-01MS-FW-292	PE,LR / PC,PIP	MS	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01MS-FW-293	VNOZ1 / PE,LR	MS	2	2-1-08	MT		
II-FMR-01MS-FW-293	VNOZ1 / PE,LR	MS	2	2-1-08	UT-45S		
II-FMR-01MS-M3-PW-1	PP,FHS / NTERN	MS	2		MT		
II-FMR-01MS-M3-PW-1	PP,FHS / NTERN	MS	2		UT-45S		
II-FMR-01MS-SW-A13	PC,PIP / PC,PIP	MS	2		MT		
II-FMR-01MS-SW-A13	PC,PIP / PC,PIP	MS	2		UT-45S		
II-FMR-01MS-SW-A3	PE,LR / PC,PIP	MS	2		MT		
II-FMR-01MS-SW-A3	PE,LR / PC,PIP	MS	2		UT-45S		
II-FMR-01MS-SW-A4	PC,PIP / PE,LR	MS	2		MT		
II-FMR-01MS-SW-A4	PC,PIP / PE,LR	MS	2		UT-45S		
II-FMR-01MS-SW-B3	PC,PIP / PC,PIP	MS	2		MT		
II-FMR-01MS-SW-B3	PC,PIP / PC,PIP	MS	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01MS-SW-B6	PC,PIP / PC,PIP	MS	2		MT		
II-FMR-01MS-SW-B6	PC,PIP / PC,PIP	MS	2		UT-45S		
II-FMR-01MS-SW-C11	PC,PB / PC,PB	MS	2		MT		
II-FMR-01MS-SW-C11	PC,PB / PC,PB	MS	2		UT-45S		
II-FMR-01MS-SW-C5	PE,LR / PC,PB	MS	2		MT		
II-FMR-01MS-SW-C5	PE,LR / PC,PB	MS	2		UT-45S		
II-FMR-01MS-SW-D7	PC,PB / PC,PIP	MS	2		MT		
II-FMR-01MS-SW-D7	PC,PB / PC,PIP	MS	2		UT-45S		
II-FMR-01MS-SW-E3	PE,LR / PC,PIP	MS	2	2-2-11	MT		
II-FMR-01MS-SW-E3	PE,LR / PC,PIP	MS	2	2-2-11	UT-45S		
II-FMR-02FW-FW-487	PP,FHS / PC,PIP	FW	2		MT		
II-FMR-02FW-FW-487	PP,FHS / PC,PIP	FW	2		UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-02FW-FW-488	PC,PIP / PE,LR	FW	2		MT		
II-FMR-02FW-FW-488	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-02FW-FW-489	PC,PB / PE,LR	FW	2		MT		
II-FMR-02FW-FW-489	PC,PB / PE,LR	FW	2		UT-45S		
II-FMR-02FW-FW-490	PC,PIP / PE,LR	FW	2		MT		
II-FMR-02FW-FW-490	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-02FW-FW-491	PE,LR / VNOZ1	FW	2	2-2-10	MT		
II-FMR-02FW-FW-491	PE,LR / VNOZ1	FW	2	2-2-10	UT-00		
II-FMR-02FW-FW-491	PE,LR / VNOZ1	FW	2	2-2-10	UT-45S		
II-FMR-02FW-FW-491	PE,LR / VNOZ1	FW	2	2-2-10	UT-60L		
II-FMR-02FW-M5-PW-1	PP,FHS / NTERN	FW	2		MT		
II-FMR-02FW-M5-PW-1	PP,FHS / NTERN	FW	2		UT-45S		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-02FW-SW-E3	PE,LR / PC,PIP	FW	2		MT		
II-FMR-02FW-SW-E3	PE,LR / PC,PIP	FW	2		UT-45S		
II-FMR-02FW-SW-E4	PC,PIP / PE,LR	FW	2		MT		
II-FMR-02FW-SW-E4	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-02FW-SW-E5	PE,LR / PC,PB	FW	2		MT		
II-FMR-02FW-SW-E5	PE,LR / PC,PB	FW	2		UT-45S		
II-FMR-02FW-SW-F3	PE,LR / PC,PIP	FW	2		MT		
II-FMR-02FW-SW-F3	PE,LR / PC,PIP	FW	2		UT-45S		
II-FMR-02FW-SW-G3	PC,PIP / PE,LR	FW	2	2-3-12	MT		
II-FMR-02FW-SW-G3	PC,PIP / PE,LR	FW	2	2-3-12	UT-45S		
II-FMR-02FW-SW-G4	PE,LR / PC,PIP	FW	2		MT		
II-FMR-02FW-SW-G4	PE,LR / PC,PIP	FW	2		UT-45S		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-02FW-SW-G5	PC,PIP / PE,LR	FW	2		MT		
II-FMR-02FW-SW-G5	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-02FW-SW-G6	PE,LR / PC,PIP	FW	2		MT		
II-FMR-02FW-SW-G6	PE,LR / PC,PIP	FW	2		UT-45S		
II-FMR-02MS-FW-294	VNOZ1 / PE,LR	MS	2		MT		
II-FMR-02MS-FW-294	VNOZ1 / PE,LR	MS	2		UT-45S		
II-FMR-02MS-FW-295	PE,LR / PC,PIP	MS	2		MT		
II-FMR-02MS-FW-295	PE,LR / PC,PIP	MS	2		UT-45S		
II-FMR-02MS-FW-296	PC,PIP / PE,LR	MS	2		MT		
II-FMR-02MS-FW-296	PC,PIP / PE,LR	MS	2		UT-45S		
II-FMR-02MS-FW-297	PC,PIP / PP,FHS	MS	2		MT		
II-FMR-02MS-FW-297	PC,PIP / PP,FHS	MS	2		UT-45S		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-02MS-M2-PW-1	PP,FHS / NTERN	MS	2		MT		
II-FMR-02MS-M2-PW-1	PP,FHS / NTERN	MS	2		UT-45S		
II-FMR-02MS-SW-A3	PE,LR / PC,PIP	MS	2	2-2-10	MT		
II-FMR-02MS-SW-A3	PE,LR / PC,PIP	MS	2	2-2-10	UT-45S		
II-FMR-02MS-SW-A4	PC,PIP / PE,LR	MS	2		MT		
II-FMR-02MS-SW-A4	PC,PIP / PE,LR	MS	2		UT-45S		
II-FMR-02MS-SW-B3	PC,PIP / PC,PIP	MS	2		MT		
II-FMR-02MS-SW-B3	PC,PIP / PC,PIP	MS	2		UT-45S		
II-FMR-02MS-SW-B6	PC,PIP / PC,PIP	MS	2		MT		
II-FMR-02MS-SW-B6	PC,PIP / PC,PIP	MS	2		UT-45S		
II-FMR-02MS-SW-C3	PE,LR / PC,PIP	MS	2		MT		
II-FMR-02MS-SW-C3	PE,LR / PC,PIP	MS	2		UT-45S		

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03FW-FW-479	PP,FHS / PC,PIP	FW	2		MT		
II-FMR-03FW-FW-479	PP,FHS / PC,PIP	FW	2		UT-45S		
II-FMR-03FW-FW-480	PC,PIP / PC,PB	FW	2		MT		
II-FMR-03FW-FW-480	PC,PIP / PC,PB	FW	2		UT-45S		
II-FMR-03FW-FW-481	PC,PB / PC,PB	FW	2		MT		
II-FMR-03FW-FW-481	PC,PB / PC,PB	FW	2		UT-45S		
II-FMR-03FW-FW-482	PC,PB / PC,PB	FW	2		MT		
II-FMR-03FW-FW-482	PC,PB / PC,PB	FW	2		UT-45S		
II-FMR-03FW-FW-483	PC,PB / PC,PB	FW	2		MT		
II-FMR-03FW-FW-483	PC,PB / PC,PB	FW	2		UT-45S		
II-FMR-03FW-FW-484	PE,LR / PC,PIP	FW	2		MT		
II-FMR-03FW-FW-484	PE,LR / PC,PIP	FW	2		UT-45S		



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CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03FW-FW-485	PE,LR / VNOZ1	FW	2	2-2-10	MT		
II-FMR-03FW-FW-485	PE,LR / VNOZ1	FW	2	2-2-10	UT-00		
II-FMR-03FW-FW-485	PE,LR / VNOZ1	FW	2	2-2-10	UT-45S		
II-FMR-03FW-FW-485	PE,LR / VNOZ1	FW	2	2-2-10	UT-60L		
II-FMR-03FW-FW-486	PC,PIP / PE,LR	FW	2		MT		
II-FMR-03FW-FW-486	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-03FW-M6-PW-1	PP,FHS / NTERN	FW	2		MT		
II-FMR-03FW-M6-PW-1	PP,FHS / NTERN	FW	2		UT-45S		
II-FMR-03FW-SW-G1	PC,PIP / PE,LR	FW	2		MT		
II-FMR-03FW-SW-G1	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-03FW-SW-G2	PE,LR / PC,PIP	FW	2	2-1-08	MT		
II-FMR-03FW-SW-G2	PE,LR / PC,PIP	FW	2	2-1-08	UT-45S		

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03FW-SW-K3	PC,PB / PE,LR	FW	2		MT		
II-FMR-03FW-SW-K3	PC,PB / PE,LR	FW	2		UT-45S		
II-FMR-03FW-SW-L3	PC,PIP / PE,LR	FW	2		MT		
II-FMR-03FW-SW-L3	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-03FW-SW-L4	PE,LR / PC,PIP	FW	2		MT		
II-FMR-03FW-SW-L4	PE,LR / PC,PIP	FW	2		UT-45S		
II-FMR-03FW-SW-L5	PC,PIP / PE,LR	FW	2		MT		
II-FMR-03FW-SW-L5	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-03FW-SW-L6	PE,LR / PC,PIP	FW	2		MT		
II-FMR-03FW-SW-L6	PE,LR / PC,PIP	FW	2		UT-45S		
II-FMR-03FW-SW-M3	PC,PIP / PE,LR	FW	2		MT		
II-FMR-03FW-SW-M3	PC,PIP / PE,LR	FW	2		UT-45S		

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CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03FW-SW-M4	PE,LR / PC,PIP	FW	2		MT		
II-FMR-03FW-SW-M4	PE,LR / PC,PIP	FW	2		UT-45S		
II-FMR-03FW-SW-M5	PC,PIP / PE,LR	FW	2		MT		
II-FMR-03FW-SW-M5	PC,PIP / PE,LR	FW	2		UT-45S		
II-FMR-03FW-SW-M6	PE,LR / PC,PIP	FW	2		MT		
II-FMR-03FW-SW-M6	PE,LR / PC,PIP	FW	2		UT-45S		
II-FMR-03MS-FW-252	PC,PIP / PC,PB	MS	2		MT		
II-FMR-03MS-FW-252	PC,PIP / PC,PB	MS	2		UT-45S		
II-FMR-03MS-FW-253	PC,PB / PC,PB	MS	2		MT		
II-FMR-03MS-FW-253	PC,PB / PC,PB	MS	2		UT-45S		
II-FMR-03MS-FW-254	PC,PIP / PE,LR	MS	2		MT		
II-FMR-03MS-FW-254	PC,PIP / PE,LR	MS	2		UT-45S		

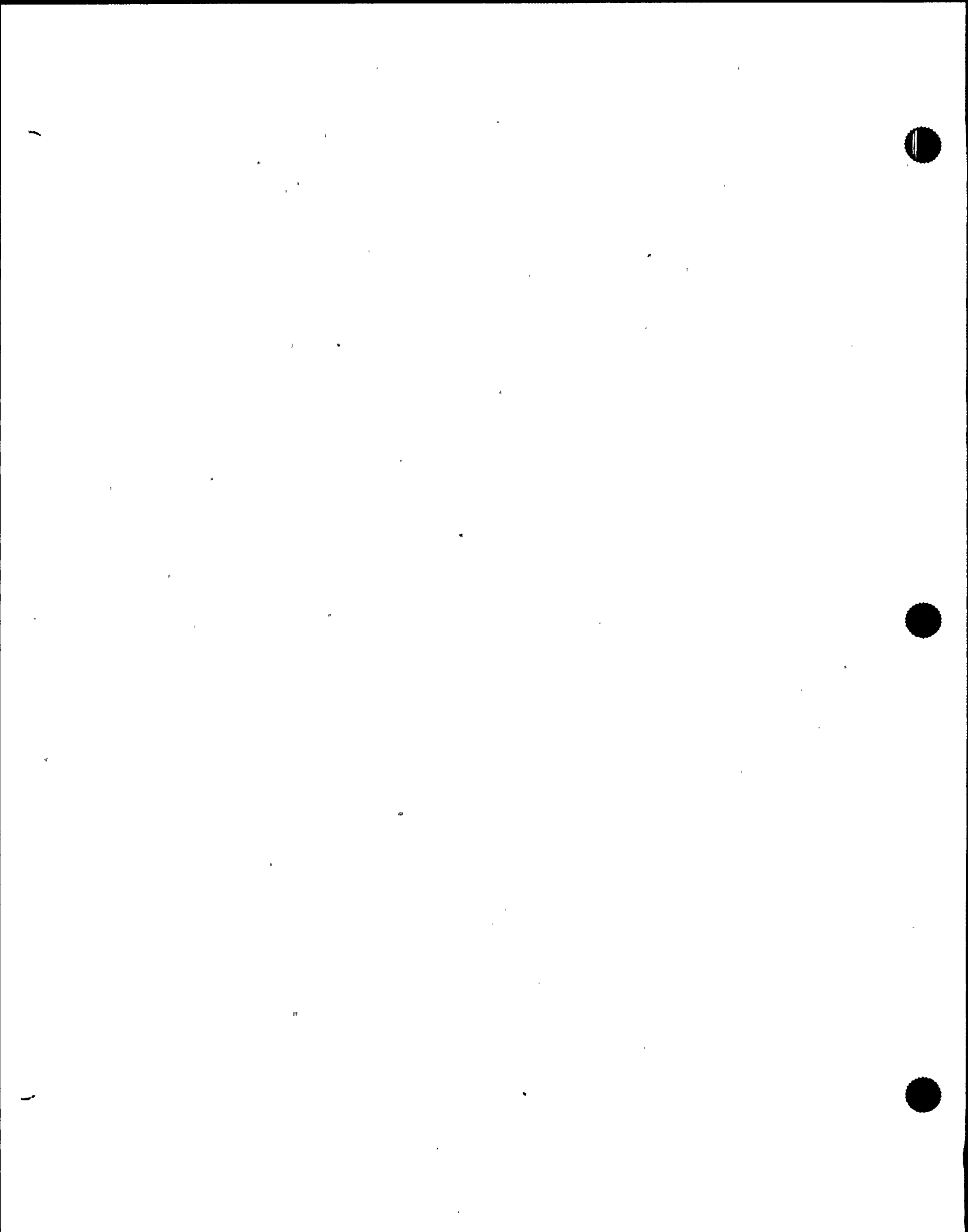


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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03MS-FW-255	PC,PIP / PP,FHS	MS	2		MT		
II-FMR-03MS-FW-255	PC,PIP / PP,FHS	MS	2		UT-45S		
II-FMR-03MS-FW-288	VNOZ1 / PE,LR	MS	2		MT		
II-FMR-03MS-FW-288	VNOZ1 / PE,LR	MS	2		UT-45S		
II-FMR-03MS-FW-289	PE,LR / PC,PIP	MS	2	2-3-13	MT		
II-FMR-03MS-FW-289	PE,LR / PC,PIP	MS	2	2-3-13	UT-45S		
II-FMR-03MS-FW-290	PC,PIP / PE,LR	MS	2		MT		
II-FMR-03MS-FW-290	PC,PIP / PE,LR	MS	2		UT-45S		
II-FMR-03MS-M1-PW-1	PP,FHS / NTERN	MS	2		MT		
II-FMR-03MS-M1-PW-1	PP,FHS / NTERN	MS	2		UT-45S		
II-FMR-03MS-SW-A3	PE,LR / PC,PIP	MS	2		MT		
II-FMR-03MS-SW-A3	PE,LR / PC,PIP	MS	2		UT-45S		

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CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03MS-SW-A4	PC,PIP / PC,PIP	MS	2	2-3-13	MT		
II-FMR-03MS-SW-A4	PC,PIP / PC,PIP	MS	2	2-3-13	UT-45S		
II-FMR-03MS-SW-B3	PC,PIP / PC,PIP	MS	2		MT		
II-FMR-03MS-SW-B3	PC,PIP / PC,PIP	MS	2		UT-45S		
II-FMR-03MS-SW-C7	PE,LR / PC,PIP	MS	2		MT		
II-FMR-03MS-SW-C7	PE,LR / PC,PIP	MS	2		UT-45S		
II-FMR-03MS-SW-D8	PC,PB / PC,PB	MS	2		MT		
II-FMR-03MS-SW-D8	PC,PB / PC,PB	MS	2		UT-45S		
II-FMR-03MS-SW-E9	PC,PB / PC,PIP	MS	2		MT		
II-FMR-03MS-SW-E9	PC,PB / PC,PIP	MS	2		UT-45S		
II-FMR-03MS-SW-F3	PE,LR / PC,PIP	MS	2		MT		
II-FMR-03MS-SW-F3	PE,LR / PC,PIP	MS	2		UT-45S		



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CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FW-001FW-FW-499	PC,VLV / PC,PIP	FW	N	2-2-11	MT		
II-FW-001FW-FW-499	PC,VLV / PC,PIP	FW	N	2-2-11	UT-45S		
II-FW-001FW-FW-501	PC,VLV / PC,PIP	FW	2	2-2-11	MT		
II-FW-001FW-FW-501	PC,VLV / PC,PIP	FW	2	2-2-11	UT-45S		
II-FW-001FW-FW-502	PC,PIP / PI,FHB	FW	2	2-2-11	MT		
II-FW-001FW-FW-502	PC,PIP / PI,FHB	FW	2	2-2-11	UT-45S		
II-FW-001FW-FW-503	PC,VLV / PC,PIP	FW	N	2-2-11	MT		
II-FW-001FW-FW-503	PC,VLV / PC,PIP	FW	N	2-2-11	UT-45S		
II-FW-001FW-FW-505	PC,VLV / PC,PIP	FW	2	2-2-11	MT		
II-FW-001FW-FW-505	PC,VLV / PC,PIP	FW	2	2-2-11	UT-45S		
II-FW-001FW-FW-506	PC,PIP / PI,FHB	FW	2	2-2-11	MT		
II-FW-001FW-FW-506	PC,PIP / PI,FHB	FW	2	2-2-11	UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FW-001FW-FW-507	PC,VLV / PC,PIP	FW	N	2-2-11	MT		
II-FW-001FW-FW-507	PC,VLV / PC,PIP	FW	N	2-2-11	UT-45S		
II-FW-001FW-FW-509	PC,VLV / PC,PIP	FW	2	2-2-11	MT		
II-FW-001FW-FW-509	PC,VLV / PC,PIP	FW	2	2-2-11	UT-45S		
II-FW-001FW-FW-510	PC,PIP / PP,FHS	FW	2	2-2-11	MT		
II-FW-001FW-FW-510	PC,PIP / PP,FHS	FW	2	2-2-11	UT-45S		
II-FW-001FW-SW-A4	PC,PIP / PBC,S	FW	2	2-2-11	MT		
II-FW-001FW-SW-A4	PC,PIP / PBC,S	FW	2	2-2-11	UT-45S		
II-FW-001FW-SW-B4	PC,PIP / PBC,S	FW	2	2-2-11	MT		
II-FW-001FW-SW-B4	PC,PIP / PBC,S	FW	2	2-2-11	UT-45S		
II-FW-001FW-SW-C4	PC,PIP / PBC,S	FW	2	2-2-11	MT		
II-FW-001FW-SW-C4	PC,PIP / PBC,S	FW	2	2-2-11	UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FW-002AF-01-FW-1	PBCC,T / PC,PIP	AF	2	2-1-08	MT		
II-FW-002AF-01-FW-1	PBCC,T / PC,PIP	AF	2	2-1-08	UT-45S		
II-FW-002AF-01-FW-2	PC,PIP / PBCC,T	AF	2	2-1-08	MT		Was II-FW-002AF-SW-A4.
II-FW-002AF-01-FW-2	PC,PIP / PBCC,T	AF	2	2-1-08	UT-45S		Was II-FW-002AF-SW-A4.
II-FW-002AF-01-FW-5	PC,VLV / PC,PIP	AF	2	2-1-09	PT		Was II-FW-002AF-FW-259.
II-FW-002AF-01-FW-5	PC,VLV / PC,PIP	AF	2	2-1-09	UT-45S	2R2-003	Was II-FW-002AF-FW-259.
II-FW-002AF-16-1-SW-2	PC,PIP / PC,PIP	AF	2	2-1-09	MT		
II-FW-002AF-16-1-SW-2	PC,PIP / PC,PIP	AF	2	2-1-09	UT-45S		
II-FW-002AF-16-2-SW-2	PC,PIP / PC,PIP	AF	2	2-1-08	MT		
II-FW-002AF-16-2-SW-2	PC,PIP / PC,PIP	AF	2	2-1-08	UT-45S		
II-FW-002AF-FW-257	PC,VLV / PC,PIP	AF	2	2-1-09	MT		
II-FW-002AF-FW-257	PC,VLV / PC,PIP	AF	2	2-1-09	UT-45S	2R2-001	

Carolina Power and Light Company
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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FW-002AF-FW-258	PC,PIP / PC,VLV	AF	2	2-1-09	MT		
II-FW-002AF-FW-258	PC,PIP / PC,VLV	AF	2	2-1-09	UT-45S	2R2-001	
II-FW-002AF-FW-260	PC,PIP / PP,FHS	AF	2	2-1-08	MT		
II-FW-002AF-FW-260	PC,PIP / PP,FHS	AF	2	2-1-08	UT-45S		
II-FW-003AF-01-FW-1	PBCC,T / PC,PIP	AF	2	2-2-11	MT		Was II-FW-003AF-17-2-SW-1.
II-FW-003AF-01-FW-1	PBCC,T / PC,PIP	AF	2	2-2-11	UT-45S		Was II-FW-003AF-17-2-SW-1.
II-FW-003AF-01-FW-2	PC,PIP / PBCC,T	AF	2	2-3-13	MT		Was II-FW-003AF-SW-A4.
II-FW-003AF-01-FW-2	PC,PIP / PBCC,T	AF	2	2-3-13	UT-45S		Was II-FW-003AF-SW-A4.
II-FW-003AF-01-FW-4	PC,VLV / PC,PIP	AF	2	2-3-13	MT		Was II-FW-003AF-FW-266.
II-FW-003AF-01-FW-4	PC,VLV / PC,PIP	AF	2	2-3-13	UT-45S	2R2-003	Was II-FW-003AF-FW-266.
II-FW-003AF-17-2-SW-2	PC,PIP / PC,PIP	AF	2	2-2-11	MT		
II-FW-003AF-17-2-SW-2	PC,PIP / PC,PIP	AF	2	2-2-11	UT-45S		



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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FW-003AF-FW-267	PC,PIP / PP,FHS	AF	2	2-2-11	MT		
II-FW-003AF-FW-267	PC,PIP / PP,FHS	AF	2	2-2-11	UT-45S		
II-FW-003AF-FW-268	PC,VLV / PC,PIP	AF	2	2-2-11	MT		
II-FW-003AF-FW-268	PC,VLV / PC,PIP	AF	2	2-2-11	UT-45S		
II-FW-003AF-FW-269	PC,PIP / PC,VLV	AF	2	2-2-11	MT		
II-FW-003AF-FW-269	PC,PIP / PC,VLV	AF	2	2-2-11	UT-45S	2R2-001	
II-FW-004AF-01-FW-1	PC,VLV / PC,PIP	AF	2	2-3-13	MT		Was II-FW-004AF-FW-276.
II-FW-004AF-01-FW-1	PC,VLV / PC,PIP	AF	2	2-3-13	UT-45S	2R2-003	Was II-FW-004AF-FW-276.
II-FW-004AF-01-FW-2	PC,PIP / PC,VLV	AF	2	2-3-13	MT		Was II-FW-004AF-FW-277.
II-FW-004AF-01-FW-2	PC,PIP / PC,VLV	AF	2	2-3-13	UT-45S	2R2-001	Was II-FW-004AF-FW-277.
II-FW-004AF-01-FW-3	PC,VLV / PC,PIP	AF	2	2-3-13	MT		Was II-FW-004AF-FW-273.
II-FW-004AF-01-FW-3	PC,VLV / PC,PIP	AF	2	2-3-13	UT-45S	2R2-003	Was II-FW-004AF-FW-273.

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Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FW-004AF-01-FW-4	PC,PIP / PBCC,T	AF	2	2-3-13	MT		Was II-FW-004AF-SW-A4.
II-FW-004AF-01-FW-4	PC,PIP / PBCC,T	AF	2	2-3-13	UT-45S		Was II-FW-004AF-SW-A4.
II-FW-004AF-01-FW-5	PBCC,T / PC,PIP	AF	2	2-3-13	MT		Was II-FW-004AF-18-2-SW-1.
II-FW-004AF-01-FW-5	PBCC,T / PC,PIP	AF	2	2-3-13	UT-45S		Was II-FW-004AF-18-2-SW-1.
II-FW-004AF-01-FW-7	PC,PIP / PP,FHS	AF	2	2-3-13	MT		Was II-FW-004AF-FW-274.
II-FW-004AF-01-FW-7	PC,PIP / PP,FHS	AF	2	2-3-13	UT-45S		Was II-FW-004AF-FW-274.
II-FW-004AF-18-2-SW-2	PC,PIP / PC,PIP	AF	2	2-3-13	MT		
II-FW-004AF-18-2-SW-2	PC,PIP / PC,PIP	AF	2	2-3-13	UT-45S		
II-MS-001MS-FW-283	PC,PIP / PC,VLV	MS	2	2-1-08	MT		
II-MS-001MS-FW-283	PC,PIP / PC,VLV	MS	2	2-1-08	UT-45S		
II-MS-001MS-FW-284	PC,PIP / PC,PIP	MS	2	2-1-08	MT		
II-MS-001MS-FW-284	PC,PIP / PC,PIP	MS	2	2-1-08	UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-MS-001MS-FW-285	PC,PIP / PC,PIP	MS	2	2-2-11	MT		
II-MS-001MS-FW-285	PC,PIP / PC,PIP	MS	2	2-2-11	UT-45S		
II-MS-001MS-FW-286	PC,PIP / PC,VLV	MS	2	2-2-11	MT		
II-MS-001MS-FW-286	PC,PIP / PC,VLV	MS	2	2-2-11	UT-45S		
II-MS-001MS-FW-301	PC,PIP / PC,PIP	MS	2	2-3-13	MT		
II-MS-001MS-FW-301	PC,PIP / PC,PIP	MS	2	2-3-13	UT-45S		
II-MS-001MS-FW-302	PC,PIP / PC,VLV	MS	2	2-3-13	MT		
II-MS-001MS-FW-302	PC,PIP / PC,VLV	MS	2	2-3-13	UT-45S		
II-MS-001MS-SW-A11	PC,PIP / PC,NOZ	MS	2	2-1-08	MT		
II-MS-001MS-SW-A11	PC,PIP / PC,NOZ	MS	2	2-1-08	UT-45S		
II-MS-001MS-SW-A12	PC,PIP / PC,NOZ	MS	2	2-1-08	MT		
II-MS-001MS-SW-A12	PC,PIP / PC,NOZ	MS	2	2-1-08	UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-MS-001MS-SW-A13	PC,PIP / PC,NOZ	MS	2	2-1-08	MT		
II-MS-001MS-SW-A13	PC,PIP / PC,NOZ	MS	2	2-1-08	UT-45S		
II-MS-001MS-SW-A14	PC,PIP / PC,NOZ	MS	2	2-1-08	MT		
II-MS-001MS-SW-A14	PC,PIP / PC,NOZ	MS	2	2-1-08	UT-45S		
II-MS-001MS-SW-A15	PC,PIP / PC,NOZ	MS	2	2-1-08	MT		
II-MS-001MS-SW-A15	PC,PIP / PC,NOZ	MS	2	2-1-08	UT-45S		
II-MS-001MS-SW-A3	PC,PIP / PC,PIP	MS	2	2-1-08	MT		
II-MS-001MS-SW-A3	PC,PIP / PC,PIP	MS	2	2-1-08	UT-45S		
II-MS-001MS-SW-A30	PBCC,E / PC,PIP	MS	2	2-1-08	MT		
II-MS-001MS-SW-A30	PBCC,E / PC,PIP	MS	2	2-1-08	UT-45S		
II-MS-001MS-SW-A34	PC,PIP / PC,PIP	MS	2	2-1-08	MT		
II-MS-001MS-SW-A34	PC,PIP / PC,PIP	MS	2	2-1-08	UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.11 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-MS-001MS-SW-A4	PBCC,E / PC,PIP	MS	2	2-1-09	MT		
II-MS-001MS-SW-A4	PBCC,E / PC,PIP	MS	2	2-1-09	UT-45S		
II-MS-001MS-SW-A5	PC,PIP / PC,CAP	MS	2	2-1-09	MT		
II-MS-001MS-SW-A5	PC,PIP / PC,CAP	MS	2	2-1-09	UT-45S		
II-MS-001MS-SW-B11	PC,PIP / PC,NOZ	MS	2	2-2-11	MT		
II-MS-001MS-SW-B11	PC,PIP / PC,NOZ	MS	2	2-2-11	UT-45S		
II-MS-001MS-SW-B12	PC,PIP / PC,NOZ	MS	2	2-2-11	MT		
II-MS-001MS-SW-B12	PC,PIP / PC,NOZ	MS	2	2-2-11	UT-45S		
II-MS-001MS-SW-B13	PC,PIP / PC,NOZ	MS	2	2-2-11	MT		
II-MS-001MS-SW-B13	PC,PIP / PC,NOZ	MS	2	2-2-11	UT-45S		
II-MS-001MS-SW-B14	PC,PIP / PC,NOZ	MS	2	2-2-11	MT		
II-MS-001MS-SW-B14	PC,PIP / PC,NOZ	MS	2	2-2-11	UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-MS-001MS-SW-B15	PC,PIP / PC,NOZ	MS	2	2-2-11	MT		
II-MS-001MS-SW-B15	PC,PIP / PC,NOZ	MS	2	2-2-11	UT-45S		
II-MS-001MS-SW-B3	PC,PIP / PC,PIP	MS	2	2-2-11	MT		
II-MS-001MS-SW-B3	PC,PIP / PC,PIP	MS	2	2-2-11	UT-45S		
II-MS-001MS-SW-B30	PBCC,E / PC,PIP	MS	2	2-2-11	MT		
II-MS-001MS-SW-B30	PBCC,E / PC,PIP	MS	2	2-2-11	UT-45S		
II-MS-001MS-SW-B34	PBCC,E / PC,PIP	MS	2	2-2-11	MT		
II-MS-001MS-SW-B34	PBCC,E / PC,PIP	MS	2	2-2-11	UT-45S		
II-MS-001MS-SW-B35	PC,PIP / PC,PIP	MS	2	2-2-11	MT		
II-MS-001MS-SW-B35	PC,PIP / PC,PIP	MS	2	2-2-11	UT-45S		
II-MS-001MS-SW-B4	PBCC,E / PC,PIP	MS	2	2-2-11	MT		
II-MS-001MS-SW-B4	PBCC,E / PC,PIP	MS	2	2-2-11	UT-45S		



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CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-MS-001MS-SW-B5	PC,PIP / PC,CAP	MS	2	2-2-11	MT		
II-MS-001MS-SW-B5	PC,PIP / PC,CAP	MS	2	2-2-11	UT-45S		
II-MS-001MS-SW-C11	PC,PIP / PC,NOZ	MS	2	2-3-13	MT		
II-MS-001MS-SW-C11	PC,PIP / PC,NOZ	MS	2	2-3-13	UT-45S		
II-MS-001MS-SW-C12	PC,PIP / PC,NOZ	MS	2	2-3-13	MT		
II-MS-001MS-SW-C12	PC,PIP / PC,NOZ	MS	2	2-3-13	UT-45S		
II-MS-001MS-SW-C13	PC,PIP / PC,NOZ	MS	2	2-3-13	MT		
II-MS-001MS-SW-C13	PC,PIP / PC,NOZ	MS	2	2-3-13	UT-45S		
II-MS-001MS-SW-C14	PC,PIP / PC,NOZ	MS	2	2-3-13	MT		
II-MS-001MS-SW-C14	PC,PIP / PC,NOZ	MS	2	2-3-13	UT-45S		
II-MS-001MS-SW-C15	PC,PIP / PC,NOZ	MS	2	2-3-13	MT		
II-MS-001MS-SW-C15	PC,PIP / PC,NOZ	MS	2	2-3-13	UT-45S		

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ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-MS-001MS-SW-C3	PC,PIP / PC,PIP	MS	2	2-3-13	MT		
II-MS-001MS-SW-C3	PC,PIP / PC,PIP	MS	2	2-3-13	UT-45S		
II-MS-001MS-SW-C30	PBCC,E / PC,PIP	MS	2	2-3-13	MT		
II-MS-001MS-SW-C30	PBCC,E / PC,PIP	MS	2	2-3-13	UT-45S		
II-MS-001MS-SW-C34	PBCC,E / PC,PIP	MS	2	2-3-13	MT		
II-MS-001MS-SW-C34	PBCC,E / PC,PIP	MS	2	2-3-13	UT-45S		
II-MS-001MS-SW-C36	PC,PIP / PC,PIP	MS	2	2-3-13	MT		
II-MS-001MS-SW-C36	PC,PIP / PC,PIP	MS	2	2-3-13	UT-45S		
II-MS-001MS-SW-C4	PBCC,E / PC,PIP	MS	2	2-3-13	MT		
II-MS-001MS-SW-C4	PBCC,E / PC,PIP	MS	2	2-3-13	UT-45S		
II-MS-001MS-SW-C5	PC,PIP / PC,CAP	MS	2	2-3-13	MT		
II-MS-001MS-SW-C5	PC,PIP / PC,CAP	MS	2	2-3-13	UT-45S		

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CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.51 PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-MS-002MS-FW-565	PC,PIP / PE,LR	MS	2	2-2-10	MT		
II-MS-002MS-FW-565	PC,PIP / PE,LR	MS	2	2-2-10	UT-45S		
II-MS-002MS-FW-566	PC,PIP / PC,VLV	MS	2	2-2-10	PT		
II-MS-002MS-FW-566	PC,PIP / PC,VLV	MS	2	2-2-10	UT-45S	2R2-003	
II-MS-002MS-FW-567	PC,VLV / PC,PIP	MS	2	2-2-10	MT		
II-MS-002MS-FW-567	PC,VLV / PC,PIP	MS	2	2-2-10	UT-45S	2R2-003	
II-MS-002MS-FW-568	PC,PIP / PC,VLV	MS	2	2-2-10	MT		
II-MS-002MS-FW-568	PC,PIP / PC,VLV	MS	2	2-2-10	UT-45S	2R2-003	
II-MS-002MS-FW-680	PC,PIP / PE,LR	MS	2	2-3-13	PT		
II-MS-002MS-FW-680	PC,PIP / PE,LR	MS	2	2-3-13	UT-45S		
II-MS-002MS-FW-681	PC,PIP / PC,VLV	MS	2	2-3-13	PT		
II-MS-002MS-FW-681	PC,PIP / PC,VLV	MS	2	2-3-13	UT-45S		

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CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-MS-002MS-FW-682	PC,VLV / PC,PIP	MS	2	2-3-13	MT		
II-MS-002MS-FW-682	PC,VLV / PC,PIP	MS	2	2-3-13	UT-45S		
II-MS-002MS-FW-683	PC,PIP / PC,VLV	MS	2	2-3-13	MT		
II-MS-002MS-FW-683	PC,PIP / PC,VLV	MS	2	2-3-13	UT-45S		
II-MS-002MS-FW-690	PC,PIP / PC,VLV	MS	2	2-1-09	MT		
II-MS-002MS-FW-690	PC,PIP / PC,VLV	MS	2	2-1-09	UT-45S	2R2-003	
II-MS-002MS-FW-691	PC,VLV / PC,PIP	MS	2	2-2-11	MT		
II-MS-002MS-FW-691	PC,VLV / PC,PIP	MS	2	2-2-11	UT-45S	2R2-003	
II-MS-002MS-FW-692	PC,PIP / PC,VLV	MS	2	2-2-11	PT		
II-MS-002MS-FW-692	PC,PIP / PC,VLV	MS	2	2-2-11	UT-45S	2R2-003	
II-MS-002MS-FW-693	PC,PIP / PE,LR	MS	2	2-1-09	MT		
II-MS-002MS-FW-693	PC,PIP / PE,LR	MS	2	2-1-09	UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.51	PIPING CIRCUMFERENTIAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-MS-002MS-SW-A3	PE,LR / PC,PIP	MS	2	2-1-09	PT		
II-MS-002MS-SW-A3	PE,LR / PC,PIP	MS	2	2-1-09	UT-45S		
II-MS-002MS-SW-C3	PE,LR / PC,PIP	MS	2	2-2-10	PT		
II-MS-002MS-SW-C3	PE,LR / PC,PIP	MS	2	2-2-10	UT-45S		
II-MS-002MS-SW-E3	PE,LR / PC,PIP	MS	2	2-3-13	PT		
II-MS-002MS-SW-E3	PE,LR / PC,PIP	MS	2	2-3-13	UT-45S		
II-MS-007MS-96-FW-101	PC,PIP / PC,VLV	MS	2	2-1-09	PT		
II-MS-007MS-96-FW-101	PC,PIP / PC,VLV	MS	2	2-1-09	UT-45S	2R2-003	
II-MS-007MS-FW-563	PC,PIP / PC,VLV	MS	2	2-1-09	PT		
II-MS-007MS-FW-563	PC,PIP / PC,VLV	MS	2	2-1-09	UT-45S	2R2-001	
II-MS-007MS-FW-564	PC,PIP / PE,LR	MS	2	2-1-09	PT		
II-MS-007MS-FW-564	PC,PIP / PE,LR	MS	2	2-1-09	UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2
ITEM NO. C5.51

PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
PIPING CIRCUMFERENTIAL WELD $\geq 3/8$ " NOMINAL WALL THICKNESS FOR PIPING $>NPS 4$ "

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-MS-007MS-FW-679	PC,PIP / PE,LR	MS	2	2-1-09	MT		
II-MS-007MS-FW-679	PC,PIP / PE,LR	MS	2	2-1-09	UT-45S		
II-MS-007MS-SW-A3	PE,LR / PC,PIP	MS	2	2-1-09	PT		
II-MS-007MS-SW-A3	PE,LR / PC,PIP	MS	2	2-1-09	UT-45S		
II-MS-007MS-SW-B3	PE,LR / PC,PIP	MS	2	2-1-09	PT		
II-MS-007MS-SW-B3	PE,LR / PC,PIP	MS	2	2-1-09	UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.52 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01MS-FW-228A	PLSW,E /	MS	2		MT		
II-FMR-01MS-FW-228A	PLSW,E /	MS	2		UT-45S		
II-FMR-01MS-FW-228B	PLSW,E /	MS	2		MT		
II-FMR-01MS-FW-228B	PLSW,E /	MS	2		UT-45S		
II-FMR-01MS-FW-291A	PLSW,E /	MS	2		MT		
II-FMR-01MS-FW-291A	PLSW,E /	MS	2		UT-45S		
II-FMR-01MS-FW-291B	PLSW,E /	MS	2		MT		
II-FMR-01MS-FW-291B	PLSW,E /	MS	2		UT-45S		
II-FMR-01MS-FW-292A	PLSW,E /	MS	2		MT		
II-FMR-01MS-FW-292A	PLSW,E /	MS	2		UT-45S		
II-FMR-01MS-FW-292B	PLSW,E /	MS	2		MT		
II-FMR-01MS-FW-292B	PLSW,E /	MS	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.52	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01MS-FW-293A	PLSW,E /	MS	2	2-1-08	MT		
II-FMR-01MS-FW-293A	PLSW,E /	MS	2	2-1-08	UT-45S		
II-FMR-01MS-FW-293B	PLSW,E /	MS	2	2-1-08	MT		
II-FMR-01MS-FW-293B	PLSW,E /	MS	2	2-1-08	UT-45S		
II-FMR-01MS-SW-A3A	PLSW,E /	MS	2		MT		
II-FMR-01MS-SW-A3A	PLSW,E /	MS	2		UT-45S		
II-FMR-01MS-SW-A3B	PLSW,E /	MS	2		MT		
II-FMR-01MS-SW-A3B	PLSW,E /	MS	2		UT-45S		
II-FMR-01MS-SW-A4A	PLSW,E /	MS	2		MT		
II-FMR-01MS-SW-A4A	PLSW,E /	MS	2		UT-45S		
II-FMR-01MS-SW-A4B	PLSW,E /	MS	2		MT		
II-FMR-01MS-SW-A4B	PLSW,E /	MS	2		UT-45S		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.52	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-01MS-SW-C5A	PLSW,E /	MS	2		MT		
II-FMR-01MS-SW-C5A	PLSW,E /	MS	2		UT-45S		
II-FMR-01MS-SW-C5B	PLSW,E /	MS	2		MT		
II-FMR-01MS-SW-C5B	PLSW,E /	MS	2		UT-45S		
II-FMR-01MS-SW-E3A	PLSW,E /	MS	2	2-2-11	MT		
II-FMR-01MS-SW-E3A	PLSW,E /	MS	2	2-2-11	UT-45S		
II-FMR-01MS-SW-E3B	PLSW,E /	MS	2	2-2-11	MT		
II-FMR-01MS-SW-E3B	PLSW,E /	MS	2	2-2-11	UT-45S		
II-FMR-02MS-FW-294A	PLSW,E /	MS	2		MT		
II-FMR-02MS-FW-294A	PLSW,E /	MS	2		UT-45S		
II-FMR-02MS-FW-294B	PLSW,E /	MS	2		MT		
II-FMR-02MS-FW-294B	PLSW,E /	MS	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.52	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-02MS-FW-295A	PLSW,E /	MS	2		MT		
II-FMR-02MS-FW-295A	PLSW,E /	MS	2		UT-45S		
II-FMR-02MS-FW-295B	PLSW,E /	MS	2		MT		
II-FMR-02MS-FW-295B	PLSW,E /	MS	2		UT-45S		
II-FMR-02MS-FW-296A	PLSW,E /	MS	2		MT		
II-FMR-02MS-FW-296A	PLSW,E /	MS	2		UT-45S		
II-FMR-02MS-FW-296B	PLSW,E /	MS	2		MT		
II-FMR-02MS-FW-296B	PLSW,E /	MS	2		UT-45S		
II-FMR-02MS-SW-A3A	PLSW,E /	MS	2	2-2-10	MT		
II-FMR-02MS-SW-A3A	PLSW,E /	MS	2	2-2-10	UT-45S		
II-FMR-02MS-SW-A3B	PLSW,E /	MS	2	2-2-10	MT		
II-FMR-02MS-SW-A3B	PLSW,E /	MS	2	2-2-10	UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.52 PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-02MS-SW-A4A	PLSW,E /	MS	2		MT		
II-FMR-02MS-SW-A4A	PLSW,E /	MS	2		UT-45S		
II-FMR-02MS-SW-A4B	PLSW,E /	MS	2		MT		
II-FMR-02MS-SW-A4B	PLSW,E /	MS	2		UT-45S		
II-FMR-02MS-SW-C3A	PLSW,E /	MS	2		MT		
II-FMR-02MS-SW-C3A	PLSW,E /	MS	2		UT-45S		
II-FMR-02MS-SW-C3B	PLSW,E /	MS	2		MT		
II-FMR-02MS-SW-C3B	PLSW,E /	MS	2		UT-45S		
II-FMR-03MS-FW-254A	PLSW,E /	MS	2		MT		
II-FMR-03MS-FW-254A	PLSW,E /	MS	2		UT-45S		
II-FMR-03MS-FW-254B	PLSW,E /	MS	2		MT		
II-FMR-03MS-FW-254B	PLSW,E /	MS	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.52	PIPING LONGITUDINAL WELD >= 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03MS-FW-288A	PLSW,E /	MS	2		MT		
II-FMR-03MS-FW-288A	PLSW,E /	MS	2		UT-45S		
II-FMR-03MS-FW-288B	PLSW,E /	MS	2		MT		
II-FMR-03MS-FW-288B	PLSW,E /	MS	2		UT-45S		
II-FMR-03MS-FW-289A	PLSW,E /	MS	2	2-3-13	MT		
II-FMR-03MS-FW-289A	PLSW,E /	MS	2	2-3-13	UT-45S		
II-FMR-03MS-FW-289B	PLSW,E /	MS	2	2-3-13	MT		
II-FMR-03MS-FW-289B	PLSW,E /	MS	2	2-3-13	UT-45S		
II-FMR-03MS-FW-290A	PLSW,E /	MS	2		MT		
II-FMR-03MS-FW-290A	PLSW,E /	MS	2		UT-45S		
II-FMR-03MS-FW-290B	PLSW,E /	MS	2		MT		
II-FMR-03MS-FW-290B	PLSW,E /	MS	2		UT-45S		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.52	PIPING LONGITUDINAL WELD $\geq 3/8$ " NOMINAL WALL THICKNESS FOR PIPING $>NPS 4$ "					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03MS-SW-A3A	PLSW,E /	MS	2		MT		
II-FMR-03MS-SW-A3A	PLSW,E /	MS	2		UT-45S		
II-FMR-03MS-SW-A3B	PLSW,E /	MS	2		MT		
II-FMR-03MS-SW-A3B	PLSW,E /	MS	2		UT-45S		
II-FMR-03MS-SW-A4A	PLSW,P /	MS	2	2-3-13	MT		
II-FMR-03MS-SW-A4A	PLSW,P /	MS	2	2-3-13	UT-45S		
II-FMR-03MS-SW-A4B	PLSW,P /	MS	2	2-3-13	MT		
II-FMR-03MS-SW-A4B	PLSW,P /	MS	2	2-3-13	UT-45S		
II-FMR-03MS-SW-C7A	PLSW,E /	MS	2		MT		
II-FMR-03MS-SW-C7A	PLSW,E /	MS	2		UT-45S		
II-FMR-03MS-SW-C7B	PLSW,E /	MS	2		MT		
II-FMR-03MS-SW-C7B	PLSW,E /	MS	2		UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY	C-F-2	PRESSURE RETAINING WELDS IN CARBON STEEL PIPING					
ITEM NO.	C5.52	PIPING LONGITUDINAL WELD \geq 3/8" NOMINAL WALL THICKNESS FOR PIPING $>$ NPS 4"					
ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-FMR-03MS-SW-F3A	PLSW,E /	MS	2		MT		
II-FMR-03MS-SW-F3A	PLSW,E /	MS	2		UT-45S		
II-FMR-03MS-SW-F3B	PLSW,E /	MS	2		MT		
II-FMR-03MS-SW-F3B	PLSW,E /	MS	2		UT-45S		
II-MS-001MS-FW-283A	PLSW,P /	MS	2	2-1-08	MT		
II-MS-001MS-FW-283A	PLSW,P /	MS	2	2-1-08	UT-45S		
II-MS-001MS-FW-286A	PLSW,P /	MS	2	2-2-11	MT		
II-MS-001MS-FW-286A	PLSW,P /	MS	2	2-2-11	UT-45S		
II-MS-001MS-FW-302A	PLSW,P /	MS	2	2-3-13	MT		
II-MS-001MS-FW-302A	PLSW,P /	MS	2	2-3-13	UT-45S		
II-MS-001MS-SW-A3A	PLSW,P /	MS	2	2-1-08	MT		
II-MS-001MS-SW-A3A	PLSW,P /	MS	2	2-1-08	UT-45S		

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
II-MS-001MS-SW-B3A	PLSW,P /	MS	2	2-2-11	MT		
II-MS-001MS-SW-B3A	PLSW,P /	MS	2	2-2-11	UT-45S		
II-MS-001MS-SW-C3A	PLSW,P /	MS	2	2-3-13	MT		
II-MS-001MS-SW-C3A	PLSW,P /	MS	2	2-3-13	UT-45S		



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.61 PIPING CIRCUMFERENTIAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.62 PIPING LONGITUDINAL WELD > 1/5" NWT (>=2" AND <=4" HPSI)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
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NONE	/						
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Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.70 SOCKET WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.81 PIPE BRANCH CONNECTION CIRCUMFERENTIAL WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

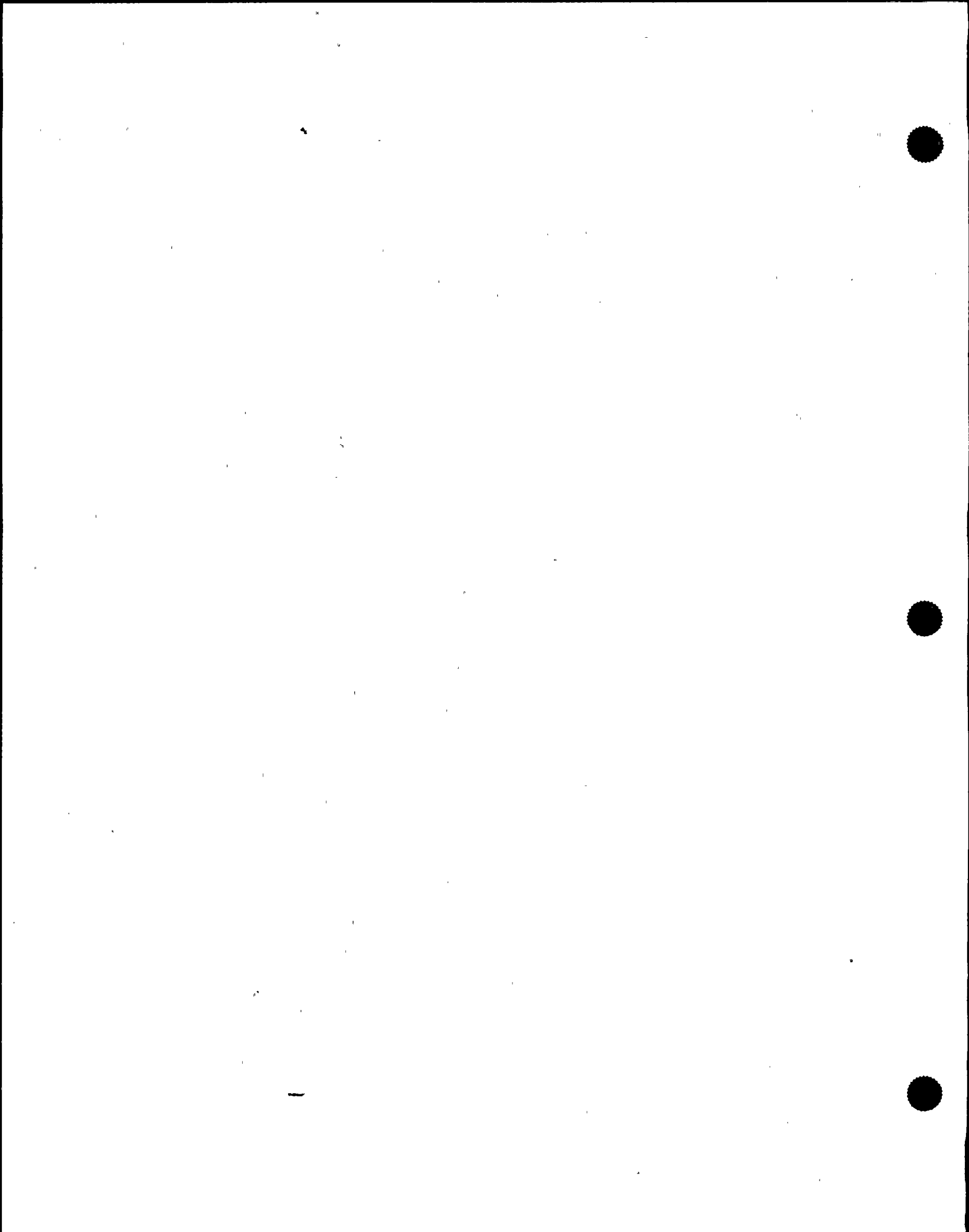
CATEGORY C-F-2 PRESSURE RETAINING WELDS IN CARBON STEEL PIPING
ITEM NO. C5.82 PIPE BRANCH CONNECTION LONGITUDINAL WELD

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-G PRESSURE RETAINING WELDS IN PUMPS AND VALVES
ITEM NO. C6.10 PUMP CASING WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-G PRESSURE RETAINING WELDS IN PUMPS AND VALVES
ITEM NO. C6.20 VALVE BODY WELDS

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
NONE	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-H ALL PRESSURE RETAINING COMPONENTS
ITEM NO. C7.10 PRESSURE VESSELS - PRESSURE RETAINING COMPONENTS (EACH PERIOD)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-H
ITEM NO. C7.20

ALL PRESSURE RETAINING COMPONENTS
PRESSURE VESSELS - PRESSURE RETAINING COMPONENTS (EACH INTERVAL)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-H ALL PRESSURE RETAINING COMPONENTS
ITEM NO. C7.30 PIPING - PRESSURE RETAINING COMPONENTS (EACH PERIOD)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

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Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-H ALL PRESSURE RETAINING COMPONENTS
ITEM NO. C7.40 PIPING - PRESSURE RETAINING COMPONENTS (EACH INTERVAL)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-H ALL PRESSURE RETAINING COMPONENTS
ITEM NO. C7.50 PUMPS - PRESSURE RETAINING COMPONENTS (EACH PERIOD)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						



Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

CATEGORY C-H
ITEM NO. C7.60

ALL PRESSURE RETAINING COMPONENTS
PUMPS - PRESSURE RETAINING COMPONENTS (EACH INTERVAL)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval

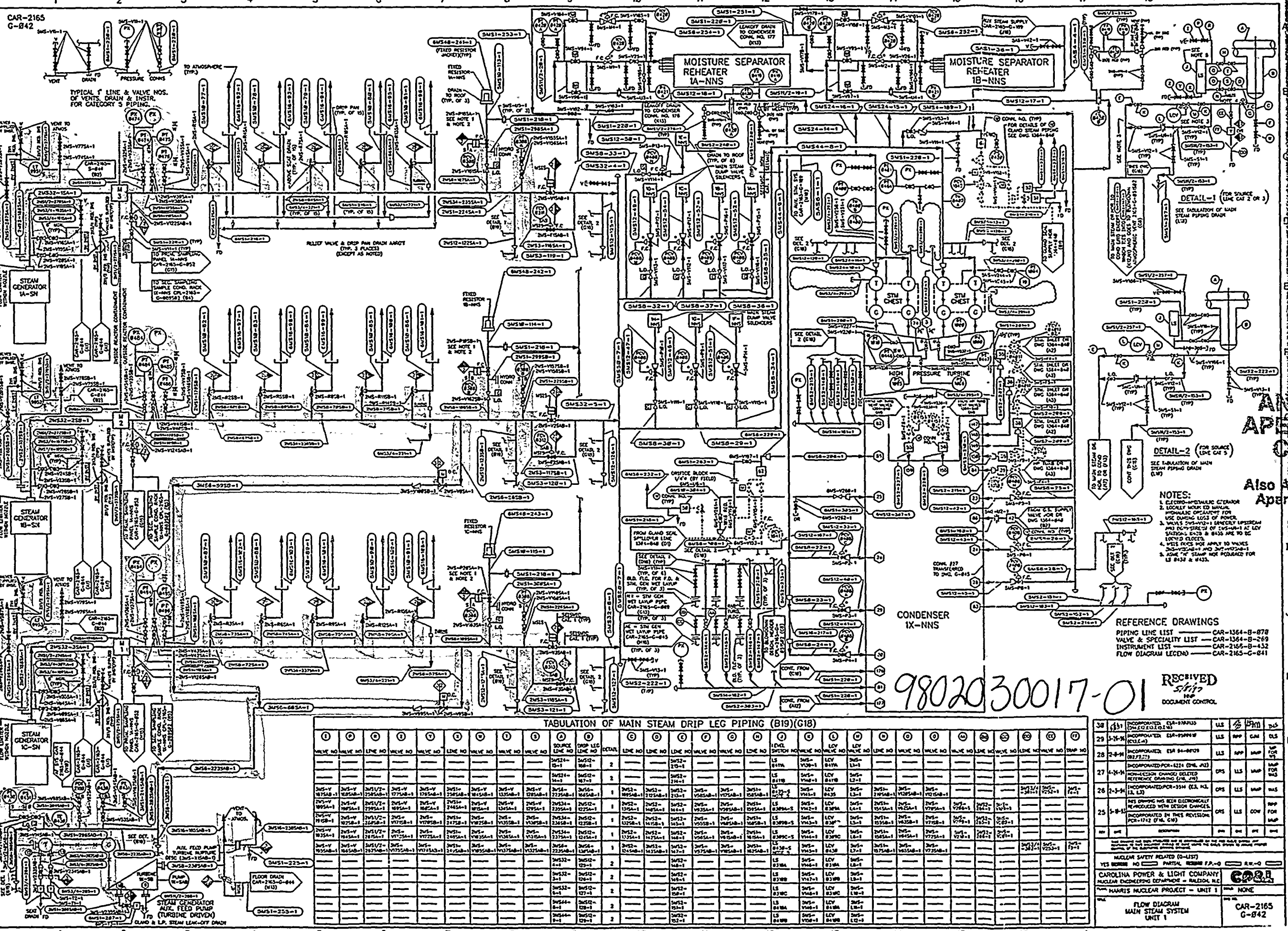
CATEGORY C-H ALL PRESSURE RETAINING COMPONENTS
ITEM NO. C7.70 VALVES - PRESSURE RETAINING COMPONENTS (EACH PERIOD)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						

**Carolina Power and Light Company
Harris Nuclear Power Plant - Unit 1
ISI Component/Examination Listing for 2nd 10-Year Interval**

CATEGORY C-H ALL PRESSURE RETAINING COMPONENTS
ITEM NO. C7.80 VALVES - PRESSURE RETAINING COMPONENTS (EACH INTERVAL)

ISI Component/Exam Number	Description	System	Class	Outage	Exam Type	Relief Request	Comments
SEE SECTION 9	/						



CAR-2165
G-842

MOISTURE SEPARATOR REHEATER IA-NNS
MOISTURE SEPARATOR REHEATER IB-NNS

CONDENSER IX-NNS

TABULATION OF MAIN STEAM DRIP LEG PIPING (B19)G18

LINE NO	WALVE NO	LINE NO	WALVE NO	LINE NO	WALVE NO	LINE NO	WALVE NO	LINE NO	WALVE NO	LINE NO	WALVE NO	LINE NO	WALVE NO	LINE NO	WALVE NO	LINE NO	WALVE NO	LINE NO	WALVE NO	LINE NO	WALVE NO	LINE NO	WALVE NO	
2431-1	2432-1	2433-1	2434-1	2435-1	2436-1	2437-1	2438-1	2439-1	2440-1	2441-1	2442-1	2443-1	2444-1	2445-1	2446-1	2447-1	2448-1	2449-1	2450-1	2451-1	2452-1	2453-1	2454-1	2455-1
2456-1	2457-1	2458-1	2459-1	2460-1	2461-1	2462-1	2463-1	2464-1	2465-1	2466-1	2467-1	2468-1	2469-1	2470-1	2471-1	2472-1	2473-1	2474-1	2475-1	2476-1	2477-1	2478-1	2479-1	2480-1
2481-1	2482-1	2483-1	2484-1	2485-1	2486-1	2487-1	2488-1	2489-1	2490-1	2491-1	2492-1	2493-1	2494-1	2495-1	2496-1	2497-1	2498-1	2499-1	2500-1	2501-1	2502-1	2503-1	2504-1	2505-1

DETAIL-1 (FOR SOURCE LINE CAT 2 OR 1)
DETAIL-2 (FOR SOURCE LINE CAT 5)

NOTES:
1. ELECTRO-MECHANICAL OPERATOR
2. LOCKED WORK ED MANUAL
HYDRAULIC OPERATOR FOR USE DURING LOSS OF POWER
3. VALVE 2451-1 IS ESPECIALLY LUBRICATED AND IS FULFILLING THE ROLE OF VALVE 2451-1 AT LOW PRESSURES. BUSH & BALLS ARE TO BE LUBRICATED PERIODICALLY.
4. THIS CODE DOES NOT APPLY TO VALVES 2451-1 & 2452-1.
5. THIS CODE DOES NOT APPLY TO VALVES 2451-1 & 2452-1.

REFERENCE DRAWINGS
PIPING LINE LIST CAR-1364-B-878
VALVE & SPECIALTY LIST CAR-1364-B-269
INSTRUMENT LIST CAR-2165-B-432
FLOW DIAGRAM LEGEND CAR-2165-G-841

9802030017-01

RECEIVED
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DOCUMENT CONTROL

REV	DATE	DESCRIPTION	BY	CHK	APP	REV	DATE	DESCRIPTION	BY	CHK	APP
28	11-30-67	INCORPORATED CAR-1364-G-010	LLS	APP	GUN	LLS	11-30-67	INCORPORATED CAR-1364-G-010	LLS	APP	GUN
29	12-1-67	INCORPORATED CAR-1364-G-010	LLS	APP	GUN	LLS	12-1-67	INCORPORATED CAR-1364-G-010	LLS	APP	GUN
26	8-1-67	INCORPORATED CAR-1364-G-010	LLS	APP	GUN	LLS	8-1-67	INCORPORATED CAR-1364-G-010	LLS	APP	GUN
27	7-21-67	INCORPORATED CAR-1364-G-010	LLS	APP	GUN	LLS	7-21-67	INCORPORATED CAR-1364-G-010	LLS	APP	GUN
26	7-21-67	INCORPORATED CAR-1364-G-010	LLS	APP	GUN	LLS	7-21-67	INCORPORATED CAR-1364-G-010	LLS	APP	GUN
25	5-4-67	INCORPORATED CAR-1364-G-010	LLS	APP	GUN	LLS	5-4-67	INCORPORATED CAR-1364-G-010	LLS	APP	GUN

NUCLEAR SAFETY RELATED (S-1)
YES NUMBER NO PARTIAL NUMBER P.A.-0 R.W.-0

CAROLINA POWER & LIGHT COMPANY
NUCLEAR ENGINEERING DEPARTMENT - RALEIGH, N.C.

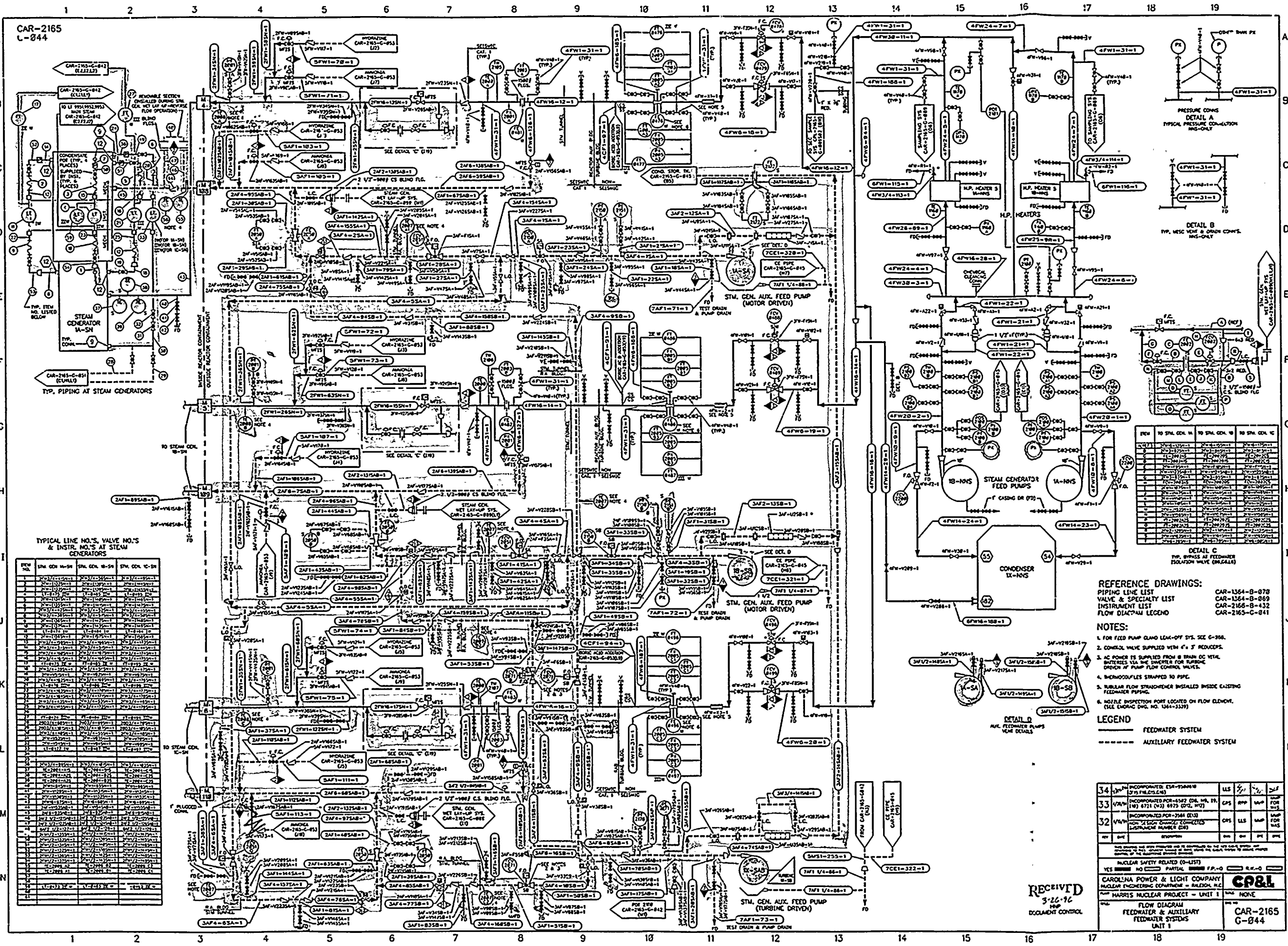
HAZARD NUCLEAR PROJECT - UNIT 1

FLOW DIAGRAM MAIN STEAM SYSTEM UNIT 1

CAR-2165
G-842



1950
1951
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1953
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1957
1958
1959
1960



CAR-2165
G-844

TYPICAL LINE NO.'S, VALVE NO.'S & INSTR. NO.'S AT STEAM GENERATORS

ITEM NO.	STEAM GEN. 1A-N/S	STEAM GEN. 1B-N/S	STEAM GEN. 1C-N/S
1	2AFV-103A-1	2AFV-103B-1	2AFV-103C-1
2	2AFV-103A-2	2AFV-103B-2	2AFV-103C-2
3	2AFV-103A-3	2AFV-103B-3	2AFV-103C-3
4	2AFV-103A-4	2AFV-103B-4	2AFV-103C-4
5	2AFV-103A-5	2AFV-103B-5	2AFV-103C-5
6	2AFV-103A-6	2AFV-103B-6	2AFV-103C-6
7	2AFV-103A-7	2AFV-103B-7	2AFV-103C-7
8	2AFV-103A-8	2AFV-103B-8	2AFV-103C-8
9	2AFV-103A-9	2AFV-103B-9	2AFV-103C-9
10	2AFV-103A-10	2AFV-103B-10	2AFV-103C-10
11	2AFV-103A-11	2AFV-103B-11	2AFV-103C-11
12	2AFV-103A-12	2AFV-103B-12	2AFV-103C-12
13	2AFV-103A-13	2AFV-103B-13	2AFV-103C-13
14	2AFV-103A-14	2AFV-103B-14	2AFV-103C-14
15	2AFV-103A-15	2AFV-103B-15	2AFV-103C-15
16	2AFV-103A-16	2AFV-103B-16	2AFV-103C-16
17	2AFV-103A-17	2AFV-103B-17	2AFV-103C-17
18	2AFV-103A-18	2AFV-103B-18	2AFV-103C-18
19	2AFV-103A-19	2AFV-103B-19	2AFV-103C-19
20	2AFV-103A-20	2AFV-103B-20	2AFV-103C-20
21	2AFV-103A-21	2AFV-103B-21	2AFV-103C-21
22	2AFV-103A-22	2AFV-103B-22	2AFV-103C-22
23	2AFV-103A-23	2AFV-103B-23	2AFV-103C-23
24	2AFV-103A-24	2AFV-103B-24	2AFV-103C-24
25	2AFV-103A-25	2AFV-103B-25	2AFV-103C-25
26	2AFV-103A-26	2AFV-103B-26	2AFV-103C-26
27	2AFV-103A-27	2AFV-103B-27	2AFV-103C-27
28	2AFV-103A-28	2AFV-103B-28	2AFV-103C-28
29	2AFV-103A-29	2AFV-103B-29	2AFV-103C-29
30	2AFV-103A-30	2AFV-103B-30	2AFV-103C-30
31	2AFV-103A-31	2AFV-103B-31	2AFV-103C-31
32	2AFV-103A-32	2AFV-103B-32	2AFV-103C-32
33	2AFV-103A-33	2AFV-103B-33	2AFV-103C-33
34	2AFV-103A-34	2AFV-103B-34	2AFV-103C-34
35	2AFV-103A-35	2AFV-103B-35	2AFV-103C-35
36	2AFV-103A-36	2AFV-103B-36	2AFV-103C-36
37	2AFV-103A-37	2AFV-103B-37	2AFV-103C-37
38	2AFV-103A-38	2AFV-103B-38	2AFV-103C-38
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42	2AFV-103A-42	2AFV-103B-42	2AFV-103C-42
43	2AFV-103A-43	2AFV-103B-43	2AFV-103C-43
44	2AFV-103A-44	2AFV-103B-44	2AFV-103C-44
45	2AFV-103A-45	2AFV-103B-45	2AFV-103C-45
46	2AFV-103A-46	2AFV-103B-46	2AFV-103C-46
47	2AFV-103A-47	2AFV-103B-47	2AFV-103C-47
48	2AFV-103A-48	2AFV-103B-48	2AFV-103C-48
49	2AFV-103A-49	2AFV-103B-49	2AFV-103C-49
50	2AFV-103A-50	2AFV-103B-50	2AFV-103C-50

ITEM	TO STA. GEN. 1A	TO STA. GEN. 1B	TO STA. GEN. 1C
1	2AFV-103A-1	2AFV-103B-1	2AFV-103C-1
2	2AFV-103A-2	2AFV-103B-2	2AFV-103C-2
3	2AFV-103A-3	2AFV-103B-3	2AFV-103C-3
4	2AFV-103A-4	2AFV-103B-4	2AFV-103C-4
5	2AFV-103A-5	2AFV-103B-5	2AFV-103C-5
6	2AFV-103A-6	2AFV-103B-6	2AFV-103C-6
7	2AFV-103A-7	2AFV-103B-7	2AFV-103C-7
8	2AFV-103A-8	2AFV-103B-8	2AFV-103C-8
9	2AFV-103A-9	2AFV-103B-9	2AFV-103C-9
10	2AFV-103A-10	2AFV-103B-10	2AFV-103C-10
11	2AFV-103A-11	2AFV-103B-11	2AFV-103C-11
12	2AFV-103A-12	2AFV-103B-12	2AFV-103C-12
13	2AFV-103A-13	2AFV-103B-13	2AFV-103C-13
14	2AFV-103A-14	2AFV-103B-14	2AFV-103C-14
15	2AFV-103A-15	2AFV-103B-15	2AFV-103C-15
16	2AFV-103A-16	2AFV-103B-16	2AFV-103C-16
17	2AFV-103A-17	2AFV-103B-17	2AFV-103C-17
18	2AFV-103A-18	2AFV-103B-18	2AFV-103C-18
19	2AFV-103A-19	2AFV-103B-19	2AFV-103C-19
20	2AFV-103A-20	2AFV-103B-20	2AFV-103C-20
21	2AFV-103A-21	2AFV-103B-21	2AFV-103C-21
22	2AFV-103A-22	2AFV-103B-22	2AFV-103C-22
23	2AFV-103A-23	2AFV-103B-23	2AFV-103C-23
24	2AFV-103A-24	2AFV-103B-24	2AFV-103C-24
25	2AFV-103A-25	2AFV-103B-25	2AFV-103C-25
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43	2AFV-103A-43	2AFV-103B-43	2AFV-103C-43
44	2AFV-103A-44	2AFV-103B-44	2AFV-103C-44
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46	2AFV-103A-46	2AFV-103B-46	2AFV-103C-46
47	2AFV-103A-47	2AFV-103B-47	2AFV-103C-47
48	2AFV-103A-48	2AFV-103B-48	2AFV-103C-48
49	2AFV-103A-49	2AFV-103B-49	2AFV-103C-49
50	2AFV-103A-50	2AFV-103B-50	2AFV-103C-50

REFERENCE DRAWINGS:
 PIPING LINE LIST CAR-1364-B-078
 VALVE & SPECIALTY LIST CAR-1364-B-069
 INSTRUMENT LIST CAR-2165-B-432
 FLOW DIAGRAM LEGEND CAR-2165-C-041

- NOTES:
- FOR FEED PUMP CLAND LOAN-OFF SYS. SEE C-366.
 - CONTROL VALVE SUPPLIED WITH 4" S' REDUCER.
 - AC POWER IS SUPPLIED FROM B BRAN OC VITAL SWITCHES VIA THE SWITCHER FOR TRIPPING DRIVER AT PUMP FLOW CONTROL VALVES.
 - INSULATIONS STRAPPED TO PIPE.
 - RUBBER FLOW STRONGHEMER INSTALLED INSIDE EXISTING FEEDWATER PIPING.
 - NO/LE INSPECTION PORT LOCATED ON FLOW ELEMENT. (SEE CHASING Dwg. NO. 1344-1339)

LEGEND
 ——— FEEDWATER SYSTEM
 - - - - - AUXILIARY FEEDWATER SYSTEM

REV	DATE	DESCRIPTION	BY	CHK
34	12/15/78	INCORPORATED 454-250000 (12/15/78) (10) 8711 (N3) 8975 (02) (W2)	CLS	RPD
33	11/15/78	INCORPORATED PDR-4542 (04) (W2) 8711 (N3) 8975 (02) (W2)	CLS	RPD
32	11/15/78	INCORPORATED PDR-3941 (03) (W2) 8711 (N3) 8975 (02) (W2)	CLS	RPD
31	11/15/78	INCORPORATED PDR-3941 (03) (W2) 8711 (N3) 8975 (02) (W2)	CLS	RPD

NUCLEAR SAFETY RELATED (S-157)
 YES NO PARTIAL P.P.-0 R.E.-0
 CAROLINA POWER & LIGHT COMPANY
 NUCLEAR ENGINEERING DEPARTMENT - RALEIGH, N.C.
 HARRIS NUCLEAR PROJECT - UNIT 1
 NONE
 FLOW DIAGRAM
 FEEDWATER & AUXILIARY
 FEEDWATER SYSTEMS
 UNIT 1
 CAR-2165
 G-844

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 DOCUMENT CONTROL

ANSTEC
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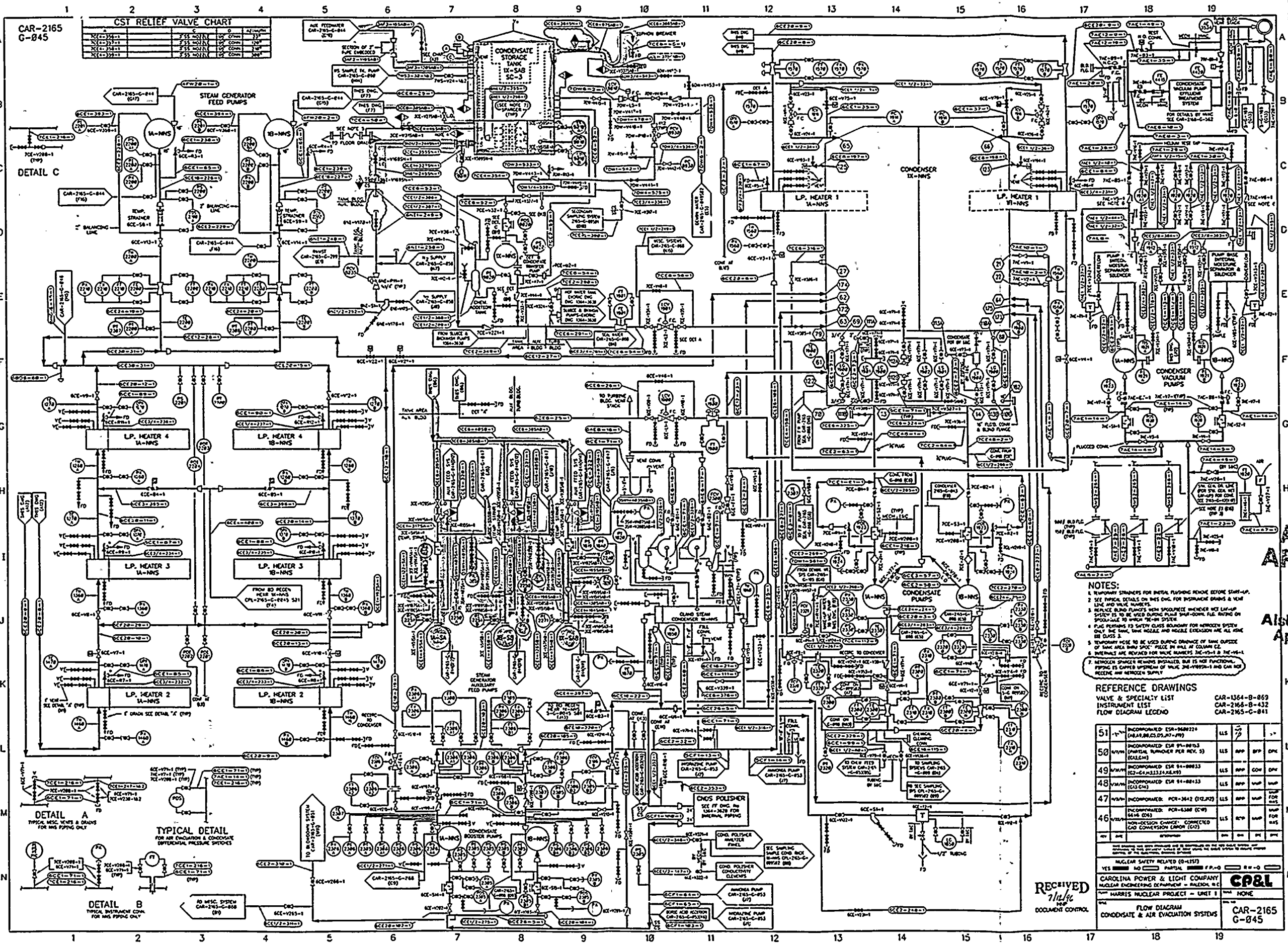
9802030017-02

1954

1954

1954

1954



CAR-2165
G-845

CST RELIEF VALVE CHART

Valve No.	Location	Size	Material	Notes
CV-100-1
CV-100-2
CV-100-3
CV-100-4
CV-100-5

DETAIL C

DETAIL A

DETAIL B

- NOTES:**
1. Temporary strainers for metal flushing remove before start-up.
 2. See typical details on lines for instrument drains and vent lines and valve names.
 3. Replace blind flanges with spoolpiece whenever not in-use. Safety to be used during the start-up-down flow during the spooling to which the valve is attached.
 4. PUC remains in safety class boundary for automatic safety shut-off. Some valves and holes are in the safety class 3.
 5. Temporary hose to be used during drainage of some outside of tank area only. PUC is not to be used for the valve.
 6. Materials are required for valve numbers CV-100-1 & CV-100-2. Network sparger remains installed, but is not functional. Piping is carried overhead of valve CV-100-1 and can not receive any network supply.

REFERENCE DRAWINGS

VALVE & SPECIALTY LIST CAR-1364-B-869
INSTRUMENT LIST CAR-2165-B-432
FLOW DIAGRAM LEGEND CAR-2165-G-841

No.	Description	Rev.	Issued	By	Checked	Approved
51	INCORPORATED: (SA-988224) (DA-19,262,25,27-29)	1	...	...	...	...
50	INCORPORATED: (SA-91-8803) (PARTIAL NUMBER PER REV. 3) (C13,14)	1	...	...	...	...
49	INCORPORATED: (SA-91-8803) (C13,14)	1	...	...	...	...
48	INCORPORATED: (SA-91-8803) (C13,14)	1
47	INCORPORATED: (PC-3642) (C12,13)	1
46	INCORPORATED: (PC-3386) (C13)	1

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11/16/68
DOCUMENT CONTROL

CAROLINA POWER & LIGHT COMPANY
NUCLEAR ENGINEERING DEPARTMENT - RALEIGH, NC
MARRIS NUCLEAR PROJECT - UNIT 1

CP&L

FLOW DIAGRAM CONDENSATE & AIR EVALUATION SYSTEMS
CAR-2165
G-845

TEC
TURE
RD

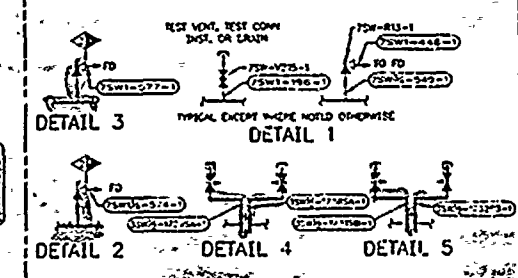
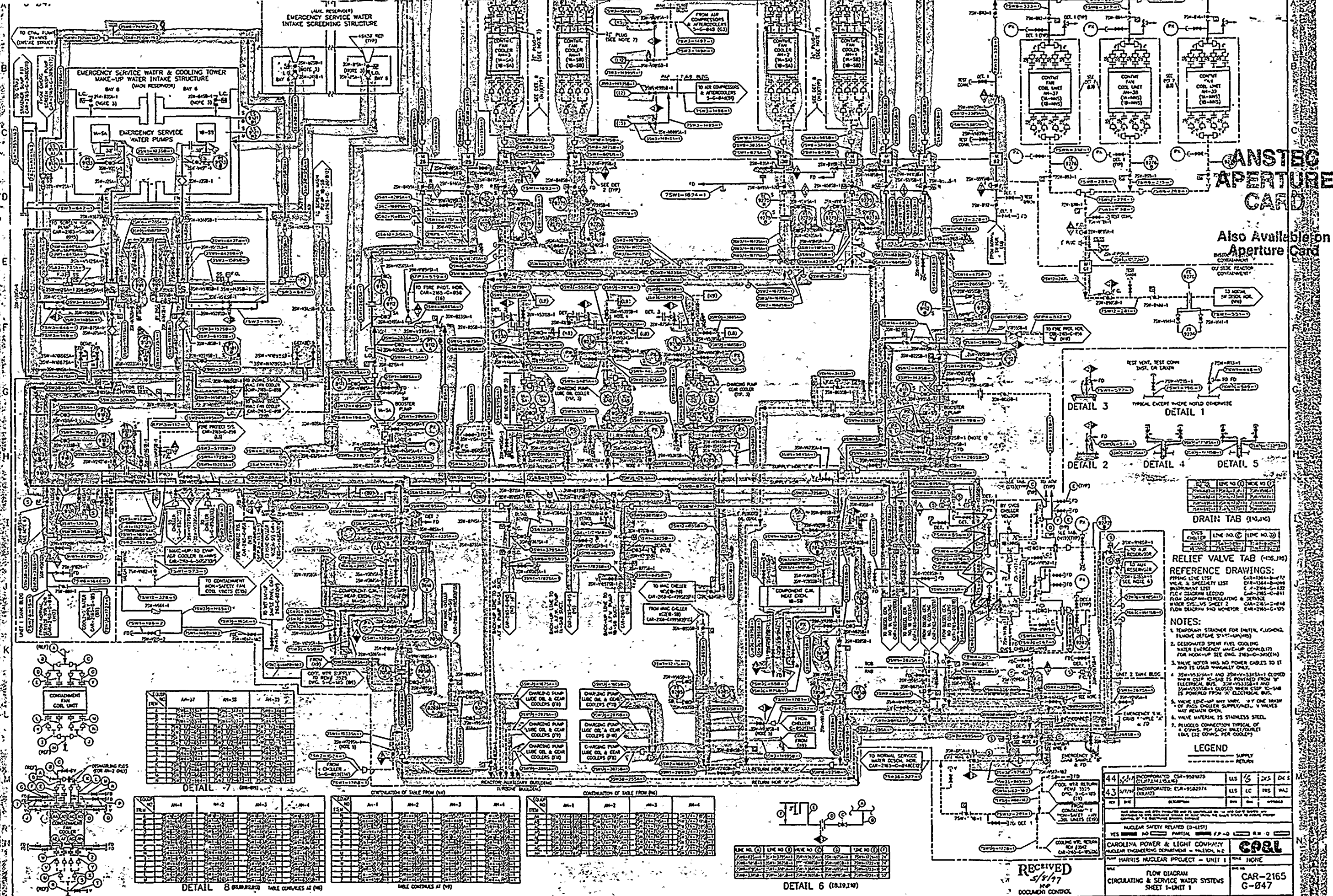
Also
Applicable on
Card

980203001703

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ANSTEC APERTURE CARD

Also Available on Aperture Card



DRAIN TAB (16,14)

LINE NO.	LINE NO.	LINE NO.
...

RELIEF VALVE TAB (16,15)

LINE NO.	LINE NO.	LINE NO.
...

REFERENCE DRAWINGS:

- ...
- ...
- ...
- ...
- ...
- ...
- ...

- NOTES:**
1. REMOVAL SCHEMATIC FOR INITIAL FLUSHING. REMOVE BEFORE START-UP.
 2. DESIGNATED SPENT FUEL COOLING WATER EMERGENCY MAKE-UP COMPASSITY FOR MAKE-UP. SEE ONE. (16,15-C-300(L))
 3. VALVE NOTES HAS NO POWER CABLES TO IT AND IS USED MANUALLY ONLY.
 4. 25W-V-3125A-1 AND 25W-V-3125A-1 CLOSED WHEN THIS TAB IS PULLED FROM ITS ELECTRICAL BUS. 25W-V-3125A-1 AND 25W-V-3125A-1 CLOSED WHEN STOP C-348 IS POWERED FROM ITS ELECTRICAL BUS.
 5. VALVE LINE-UP MAY VARY. BY ONE BASH OF PUMP COOLER SUPPLY. VALVES MAY REMAIN OPEN.
 6. VALVE MATERIAL IS STAINLESS STEEL.
 7. PULSED CONNECTION TYPICAL OF A COOLING PUMP (SEE LINE/COOLER LINE) (SEE COOLING PUMP COOLER).

LEGEND

--- SUPPLY
--- RETURN

44	INCORPORATED	CSR-928723	ELS	CS	2X5	OK 5
43	INCORPORATED	CSR-928774	ELS	EC	7X5	WAL

RECEIVED 5/1/77 DOCUMENT CONTROL

CAR-2165 G-847

DETAIL 7 (16,16)

LINE NO.	LINE NO.	LINE NO.
...

DETAIL 8 (16,17)

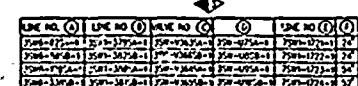
LINE NO.	LINE NO.	LINE NO.
...

DETAIL 9 (16,18)

LINE NO.	LINE NO.	LINE NO.
...

DETAIL 10 (16,19)

LINE NO.	LINE NO.	LINE NO.
...

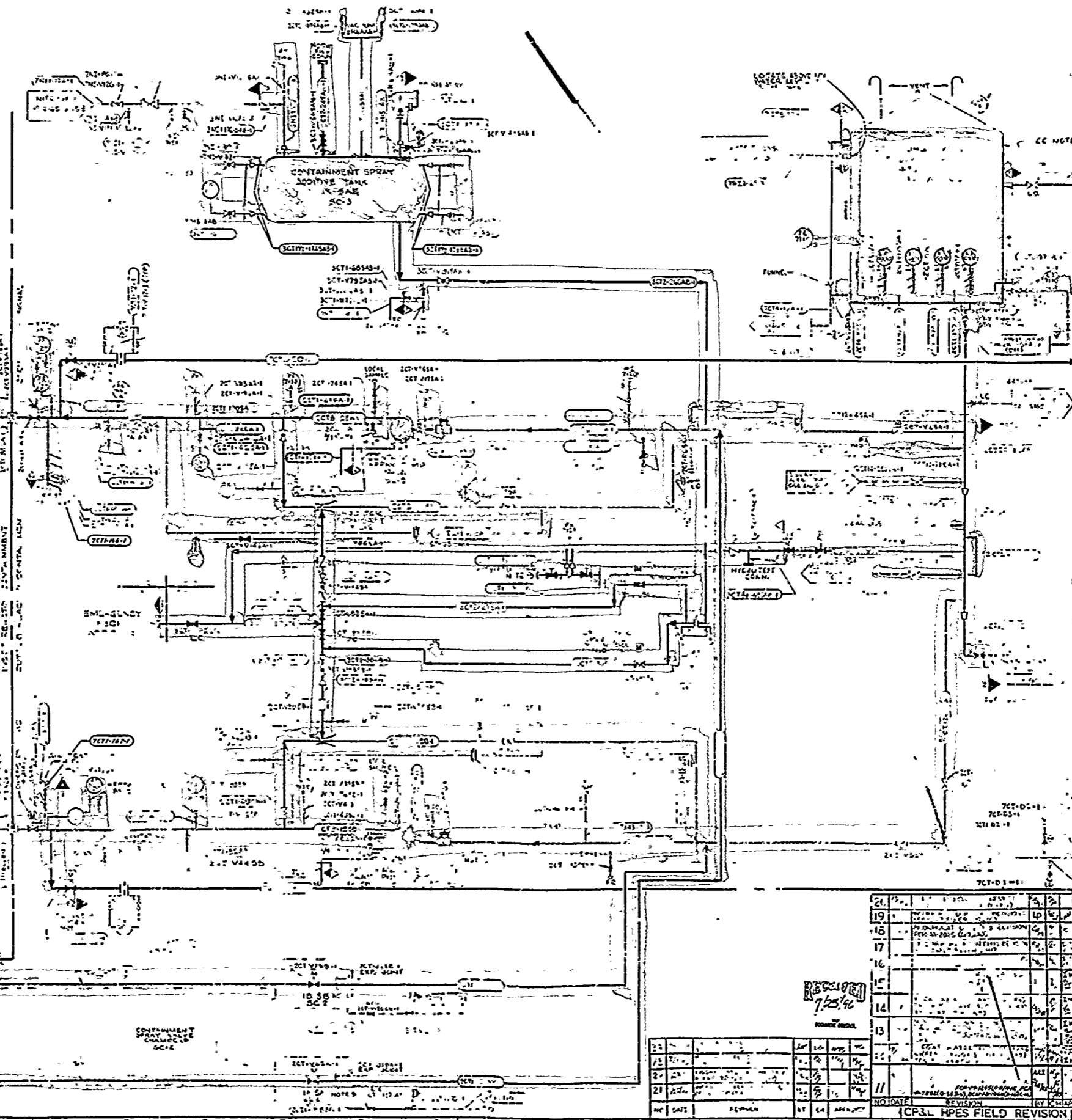
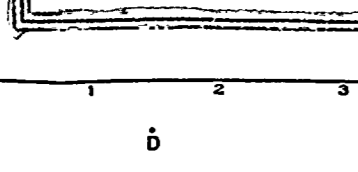
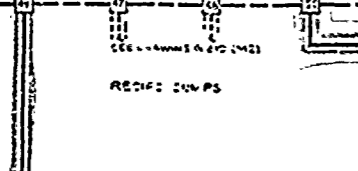
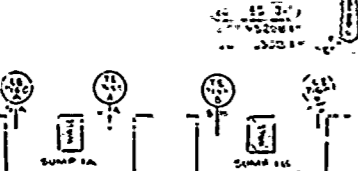
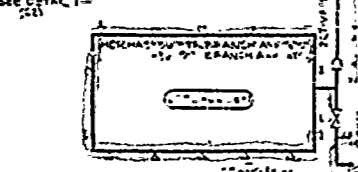
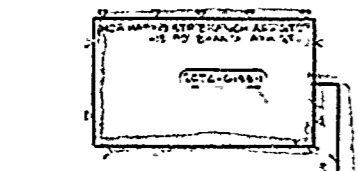
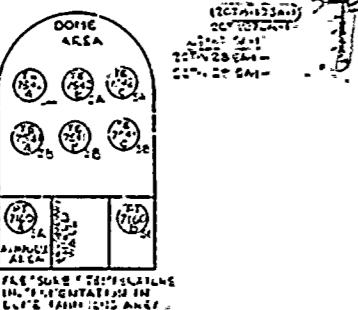
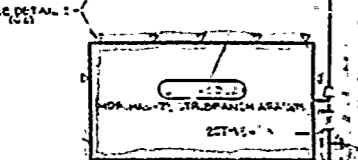
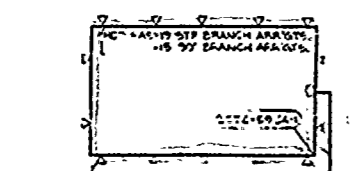
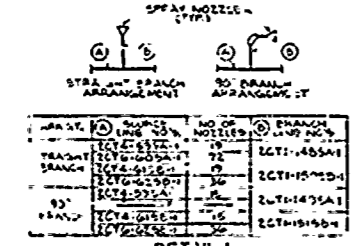


RECEIVED 5/1/77 DOCUMENT CONTROL

9802030017-04

FILED
MAR 27 1954
FBI - MEMPHIS
COMMUNICATIONS SECTION
MEMPHIS, TENNESSEE

CAR-2165
G-050



NOTE: 1. This drawing is to be used in conjunction with the following drawings: CAR-2165 G-050, CAR-2165 G-051, CAR-2165 G-052, CAR-2165 G-053, CAR-2165 G-054, CAR-2165 G-055, CAR-2165 G-056, CAR-2165 G-057, CAR-2165 G-058, CAR-2165 G-059, CAR-2165 G-060, CAR-2165 G-061, CAR-2165 G-062, CAR-2165 G-063, CAR-2165 G-064, CAR-2165 G-065, CAR-2165 G-066, CAR-2165 G-067, CAR-2165 G-068, CAR-2165 G-069, CAR-2165 G-070, CAR-2165 G-071, CAR-2165 G-072, CAR-2165 G-073, CAR-2165 G-074, CAR-2165 G-075, CAR-2165 G-076, CAR-2165 G-077, CAR-2165 G-078, CAR-2165 G-079, CAR-2165 G-080, CAR-2165 G-081, CAR-2165 G-082, CAR-2165 G-083, CAR-2165 G-084, CAR-2165 G-085, CAR-2165 G-086, CAR-2165 G-087, CAR-2165 G-088, CAR-2165 G-089, CAR-2165 G-090, CAR-2165 G-091, CAR-2165 G-092, CAR-2165 G-093, CAR-2165 G-094, CAR-2165 G-095, CAR-2165 G-096, CAR-2165 G-097, CAR-2165 G-098, CAR-2165 G-099, CAR-2165 G-100.

Also Available on Card

NUCLEAR SAFETY RELATED IN PART ONLY

REFERENCE DRAWINGS

LIST OF DRAWINGS: CAR-2165 G-050, CAR-2165 G-051, CAR-2165 G-052, CAR-2165 G-053, CAR-2165 G-054, CAR-2165 G-055, CAR-2165 G-056, CAR-2165 G-057, CAR-2165 G-058, CAR-2165 G-059, CAR-2165 G-060, CAR-2165 G-061, CAR-2165 G-062, CAR-2165 G-063, CAR-2165 G-064, CAR-2165 G-065, CAR-2165 G-066, CAR-2165 G-067, CAR-2165 G-068, CAR-2165 G-069, CAR-2165 G-070, CAR-2165 G-071, CAR-2165 G-072, CAR-2165 G-073, CAR-2165 G-074, CAR-2165 G-075, CAR-2165 G-076, CAR-2165 G-077, CAR-2165 G-078, CAR-2165 G-079, CAR-2165 G-080, CAR-2165 G-081, CAR-2165 G-082, CAR-2165 G-083, CAR-2165 G-084, CAR-2165 G-085, CAR-2165 G-086, CAR-2165 G-087, CAR-2165 G-088, CAR-2165 G-089, CAR-2165 G-090, CAR-2165 G-091, CAR-2165 G-092, CAR-2165 G-093, CAR-2165 G-094, CAR-2165 G-095, CAR-2165 G-096, CAR-2165 G-097, CAR-2165 G-098, CAR-2165 G-099, CAR-2165 G-100.

APPROVED FOR CONSTRUCTION

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RECEIVED 7/25/90

THIS DOCUMENT IS DELIVERED TO YOU IN ACCORDANCE WITH THE TERMS OF THE PROVISIONS OF SECTION 2 OF THE CONTRACT BETWEEN CAROLINA POWER & LIGHT COMPANY AND SHERMAN HARRIS NUCLEAR POWER PLANT INCORPORATED DATED SEPTEMBER 1, 1974.

CAROLINA POWER & LIGHT COMPANY
SHERMAN HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM
CONTAINMENT SPRAY SYSTEM

ERASCO SERVICES INCORPORATED

DATE: 7/25/90

CAR-2165
G-050

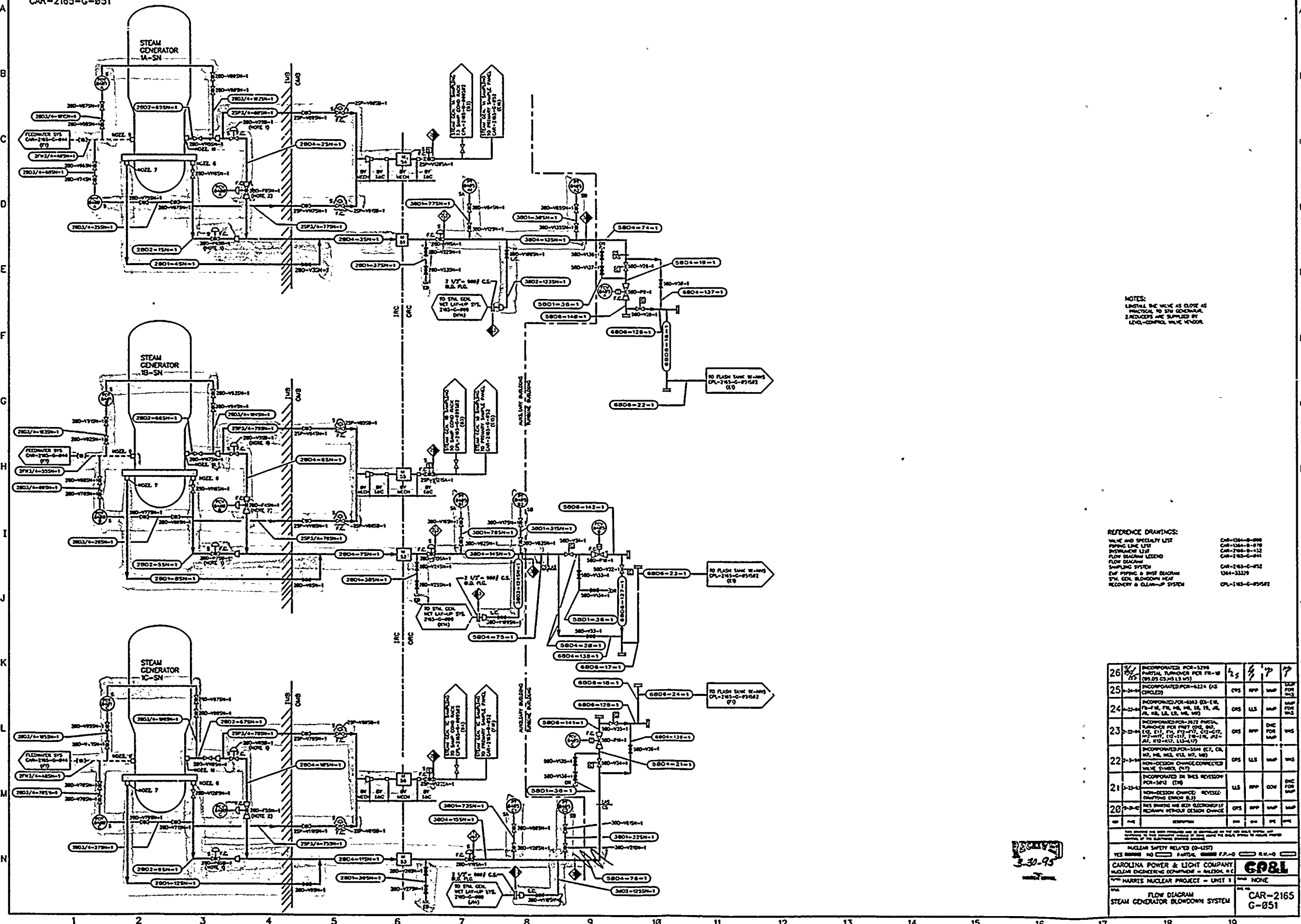
ICP&L HPES FIELD REVISION

9802030017-05

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CAR-2165-G-851



NOTES:
 1. DIMENSIONS ARE AS SHOWN UNLESS OTHERWISE SPECIFIED.
 2. REDUCERS ARE SUPPLIED BY LEVEL-CONTROL WARE HOUSE.

REFERENCE DRAWINGS:
 VALUE AND SPECIALTY LIST CAR-1364-B-878
 PIPING LINE LIST CAR-1364-B-879
 INSTRUMENT LIST CAR-1364-B-880
 FLOW DIAGRAM LEGEND CAR-1364-B-881
 FLOW DIAGRAM CAR-1364-B-882
 SAMPLING SYSTEM CAR-1364-B-883
 DIE PIPING & BEST DESIGN CAR-1364-B-884
 STEAM COOL. BLOWDOWN REFR. CAR-1364-B-885
 RECOVERY & CLEAN-UP SYSTEM CAR-1364-B-886

26	45	INCORPORATED FOR-5276 PARTIAL TURN-OVER PER FR-W (95.0% CO. AS 1.3 W)	45	45	45
25	3-34	INCORPORATED FOR-8224 (AS CHOLEZ)	45	45	45
24	3-24	INCORPORATED FOR-6843 (S-LB, P-14, P-16, P-18, P-19, P-20, P-21, P-22, P-23, P-24, P-25, P-26, P-27, P-28, P-29, P-30, P-31, P-32, P-33, P-34, P-35, P-36, P-37, P-38, P-39, P-40, P-41, P-42, P-43, P-44, P-45, P-46, P-47, P-48, P-49, P-50, P-51, P-52, P-53, P-54, P-55, P-56, P-57, P-58, P-59, P-60, P-61, P-62, P-63, P-64, P-65, P-66, P-67, P-68, P-69, P-70, P-71, P-72, P-73, P-74, P-75, P-76, P-77, P-78, P-79, P-80, P-81, P-82, P-83, P-84, P-85, P-86, P-87, P-88, P-89, P-90, P-91, P-92, P-93, P-94, P-95, P-96, P-97, P-98, P-99, P-100)	45	45	45
23	2-22	INCORPORATED FOR-3172 PARTIAL TURN-OVER PER FR-W (95.0% CO. AS 1.3 W)	45	45	45
22	2-34	INCORPORATED FOR-5344 (S-LB, P-14, P-16, P-18, P-19, P-20, P-21, P-22, P-23, P-24, P-25, P-26, P-27, P-28, P-29, P-30, P-31, P-32, P-33, P-34, P-35, P-36, P-37, P-38, P-39, P-40, P-41, P-42, P-43, P-44, P-45, P-46, P-47, P-48, P-49, P-50, P-51, P-52, P-53, P-54, P-55, P-56, P-57, P-58, P-59, P-60, P-61, P-62, P-63, P-64, P-65, P-66, P-67, P-68, P-69, P-70, P-71, P-72, P-73, P-74, P-75, P-76, P-77, P-78, P-79, P-80, P-81, P-82, P-83, P-84, P-85, P-86, P-87, P-88, P-89, P-90, P-91, P-92, P-93, P-94, P-95, P-96, P-97, P-98, P-99, P-100)	45	45	45
21	1-23	INCORPORATED IN THIS REVISION FOR-5812 (118)	45	45	45
20	1-23	INCORPORATED IN THIS REVISION FOR-5812 (118)	45	45	45
19	1-23	INCORPORATED IN THIS REVISION FOR-5812 (118)	45	45	45

3-30-95

NUCLEAR SAFETY RELATED (S-LIST)
 YES NO PARTIAL F.P.-O R.E.-O

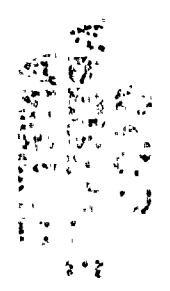
CAROLINA POWER & LIGHT COMPANY
 NUCLEAR ENGINEERING DEPARTMENT - WALTERS, N.C.
 HARRIS NUCLEAR PROJECT - UNIT 1

FLOW DIAGRAM
 STEAM GENERATOR BLOWDOWN SYSTEM

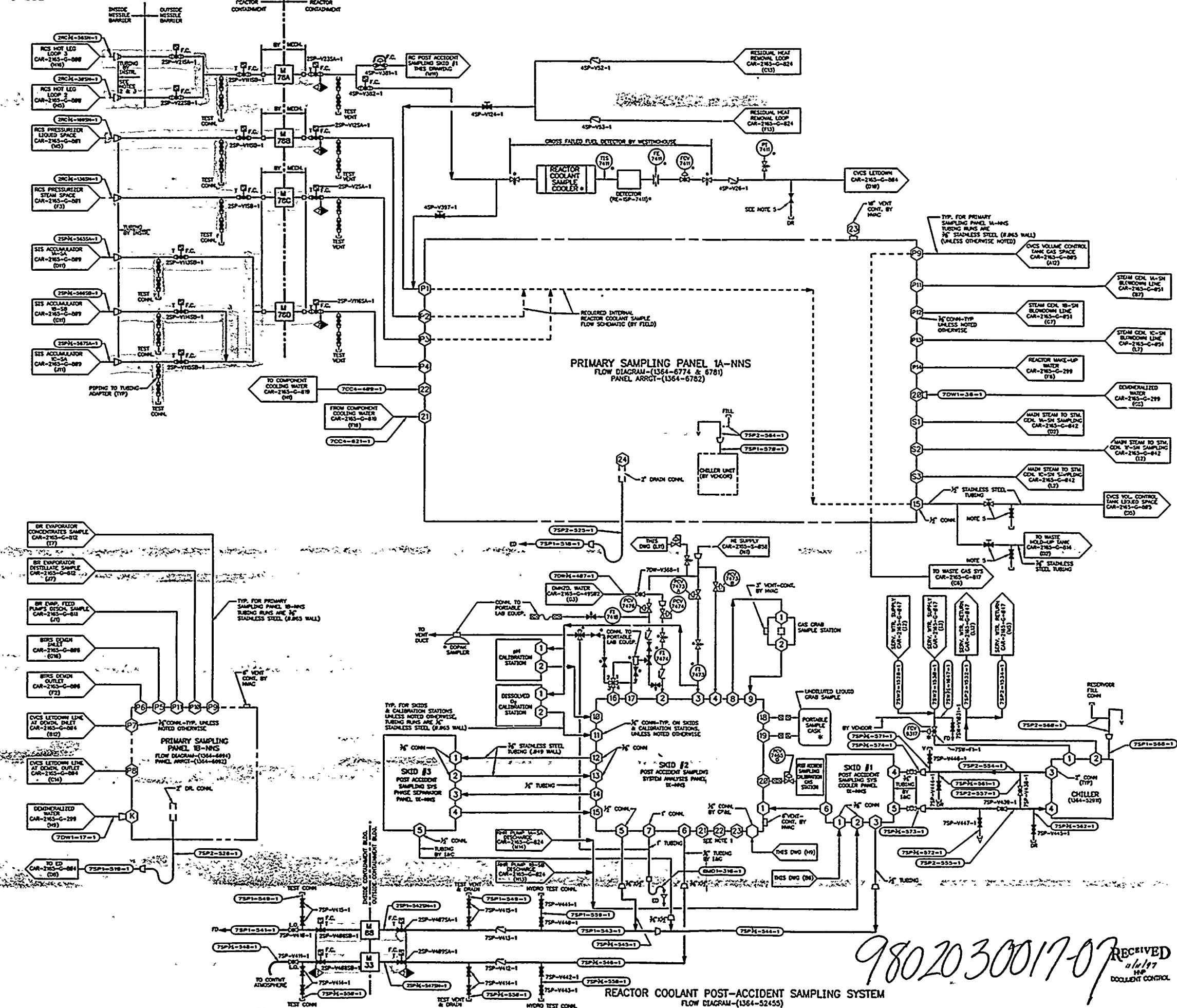
CAR-2165
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ANSTEOP
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ANSTEC APERTURE CARD

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NOTES:

1. TAPS AVAILABLE FOR BORON ANALYZER IF FUTURE MODES DESIRED.
2. TUBING FROM THE RCS HOT LEAD TO THE CROSS FAILED FUEL DETECTOR (CFFD) SHOULD BE ROUTED IN ACCORDANCE WITH THE LAYOUT ON DWG CAR-2165-G-558 S22. HOWEVER VARIATIONS IN THE ROUTING ARE PERMITTED PROVIDING NOTES 3 AND 4 ARE SATISFIED.
3. TUBING RUN FROM EITHER LOOP 2 OR 3 RCS HOT LEAD TO EITHER CONNECTING POINTS MUST BE 3'-0" ± 1/4" ± 1/8" FROM CONNECTING POINT TO PENETRATION IN-78A INSIDE CONTAINMENT MUST BE 3'-0" ± 1/4" ± 1/8" FROM PENETRATION IN-78A TO 3'-0" ± 1/4" ± 1/8" LONG. RUN FROM PENETRATION IN-78A OUTSIDE CONTAINMENT TO THE CFFD MUST BE 42'-6" ± 1/4" ± 1/8".
4. FOR APPROXIMATELY 18" (15) FEET ON BOTH SIDES OF PENETRATION IN-78A, THE RUN MUST BE 1/2" BORE EXACTLY AS SHOWN ON CAR-2165-G-558 S22.
5. VALVES BY INSTRUMENTATION (IM 13614).

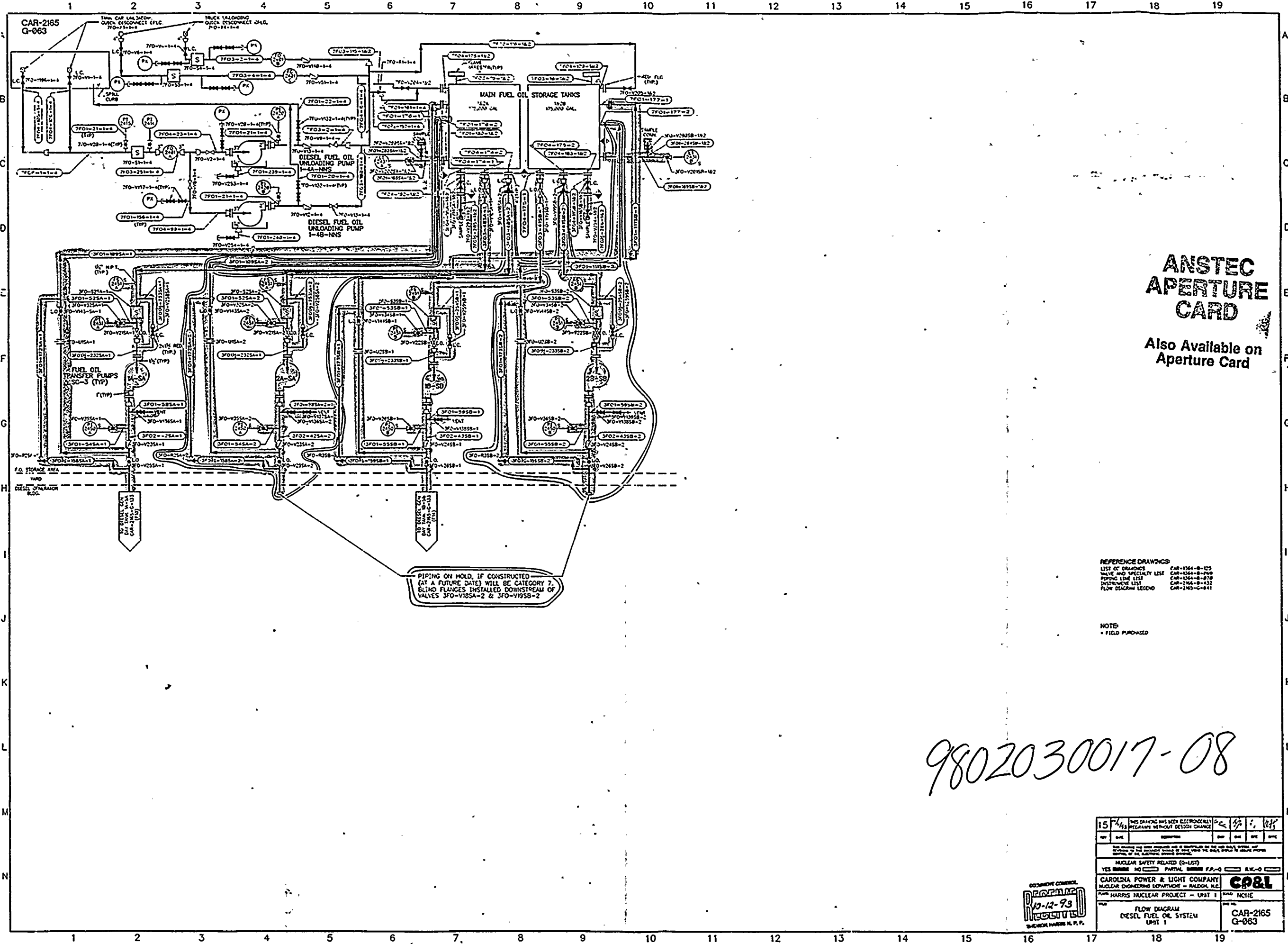
REFERENCE DRAWINGS
 VALVE AND SPECIALTY LIST CAR-1364-B-088
 PIPING LINE LIST CAR-1364-B-078
 INSTRUMENT LIST CAR-2165-B-432
 FLOW DIAGRAM LEGEND CAR-2165-G-841

9802030017-07
 RECEIVED
 11/19/77
 DOCUMENT CONTROL

23	1/4/77	INCORPORATED ESR-9789449 (R3)	LLS	IS	W	W
22	3/25/76	INCORPORATED ESR-9548837 (C.C.C.)	LLS	APP	FBO	OK
21	4/1/74	INCORPORATED PCR-4928 (M, L.V, LTO)	DES	LLS	IMP	WAS
20	8/4/73	DES DRAWING HAS BEEN ELECTRONICALLY REDRAWN WITH DESIGN CHANGE INCORPORATED PCR-881 FR-85, FR-86 (16-10, 16, 19, 21, 22, 23)	DES	APP	IMP	WAS
REV	DATE	DESCRIPTION	BY	CHK	DATE	APP
NUCLEAR SAFETY RELATED (O-LIST) YES <input type="checkbox"/> NO <input type="checkbox"/> PARTIAL <input type="checkbox"/> F.P.-Q <input type="checkbox"/> R.W.-Q <input type="checkbox"/> CAROLINA POWER & LIGHT COMPANY NUCLEAR ENGINEERING DEPARTMENT - RALEIGH, N.C. HARRIS NUCLEAR PROJECT - UNIT 1 NONE						
FLOW DIAGRAM SAMPLING SYSTEM-(NUCLEAR)						CAR-2165 G-852

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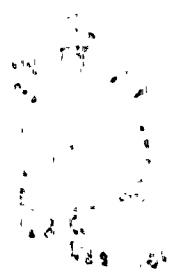
REFERENCE DRAWINGS
 LIST OF DRAWINGS CAR-1364-B-023
 VALVE AND SPECIALTY LIST CAR-1364-B-029
 PIPING LINE LIST CAR-1364-B-078
 SYSTEMS LIST CAR-1364-B-022
 FLOW DIAGRAM LEGEND CAR-1363-C-041

NOTE
 * FIELD PURCHASED

9802030017-08

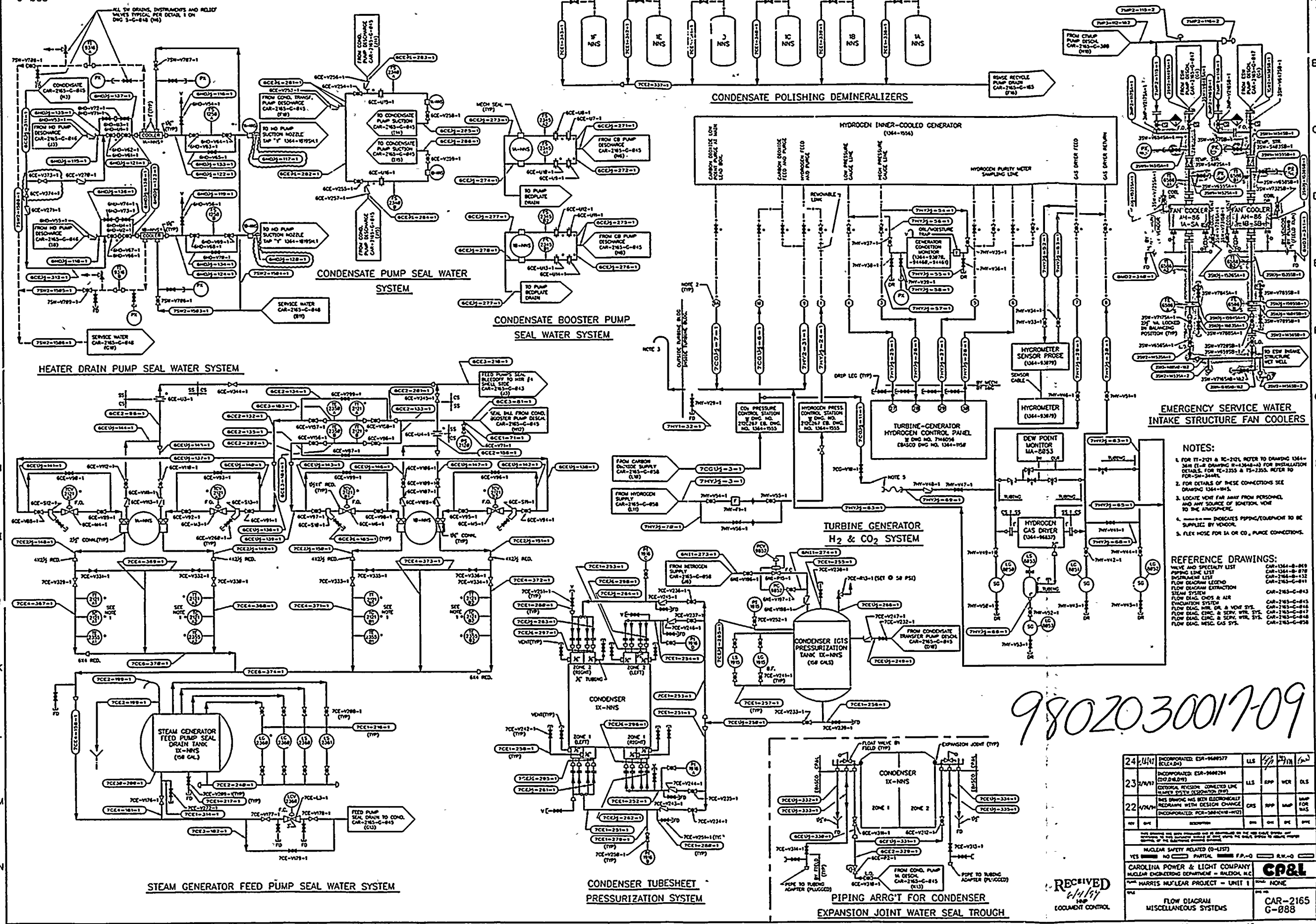
15	7/83	THIS DRAWING HAS BEEN ELECTRONICALLY REGENERATED WITHOUT DESIGN CHANGE	2	1/83	1/83	1/83
REV	DATE	DESCRIPTION	REV	DATE	BY	CHK
THIS DRAWING HAS BEEN REGENERATED AND IS CONTROLLED BY THE NEW SCALE SYSTEM. ANY CHANGES TO THE ORIGINAL SHALL BE MADE USING THE NEW SCALE SYSTEM TO AVOID CONFLICTS WITH THE ORIGINAL DRAWING.						
NUCLEAR SAFETY RELATED (S-LIST) YES <input type="checkbox"/> NO <input type="checkbox"/> PARTIAL <input type="checkbox"/> P.P.-0 <input type="checkbox"/> R.R.-0 <input type="checkbox"/>						
CAROLINA POWER & LIGHT COMPANY NUCLEAR ENGINEERING DEPARTMENT - RALEIGH, N.C. CP&L						
HARRIS NUCLEAR PROJECT - UNIT 1 INTE						
FLOW DIAGRAM DIESEL FUEL OIL SYSTEM UNIT 1						CAR-2165 G-063





ABSTRACT OF THE
PROCEEDINGS OF THE
GENERAL ASSEMBLY

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EMERGENCY SERVICE WATER INTAKE STRUCTURE FAN COOLERS

- NOTES:**
1. FOR IT-201 & IC-201, REFER TO DRAWING 1364-3441 (I-B DRAWING R-3441-4) FOR INSTALLATION DETAILS. FOR IC-2355 & IT-2355, REFER TO FOR-541-3441.
 2. FOR DETAILS OF THESE CONNECTIONS SEE DRAWING 1364-8445.
 3. LOCATE VENT FAR AWAY FROM PERSONNEL AND ANY SOURCE OF IGNITION. VENT TO BE SUPPLIED BY VENTOR.
 4. --- INDICATES PIPING TO BE SUPPLIED BY VENTOR.
 5. FLEX HOSE FOR LA OR CO₂ PLUMBE CONNECTIONS.

- REFERENCE DRAWINGS:**
- VALVE AND SPECIALTY LIST CAR-1364-8-819
 - PIPING LINE LIST CAR-1364-8-818
 - FLOW DIAGRAM LEGEND CAR-2165-8-812
 - FLOW DIAGRAM EXTRACTION SYSTEM CAR-2165-8-811
 - FLOW DIAG. CHDS & AIR CAR-2165-8-813
 - FLOW DIAG. WTR. DR. & WDR SYS. CAR-2165-8-816
 - FLOW DIAG. COND. & SERV. WTR. SYS. CAR-2165-8-817
 - FLOW DIAG. WESC. GAS SYS. CAR-2165-8-858

9802030017-09

24	4/1/71	INCORPORATED ESR-9449377	LLS	SP	IN	DL
23	2/1/71	INCORPORATED ESR-9449284	LLS	RPP	WER	DL
22	4/1/70	EXTERNAL REVISION CONNECTED LINE PLUMBE SYSTEM REVISION (P&P)	CNS	RPP	MAP	WER
		DESIGNING HAS BEEN ELECTRONICALLY REDESIGNED WITH DESIGN CHANGE INCORPORATED (FOR-3441-4B-REV)	CNS	RPP	MAP	WER
			DL	DL	DL	DL

YES NO PARTIAL REVISION ESR-O R-W-O
 CAROLINA POWER & LIGHT COMPANY
 NUCLEAR ENGINEERING DEPARTMENT - WAKEFORD, N.C.
 HARRIS NUCLEAR PROJECT - UNIT 1
 NONE

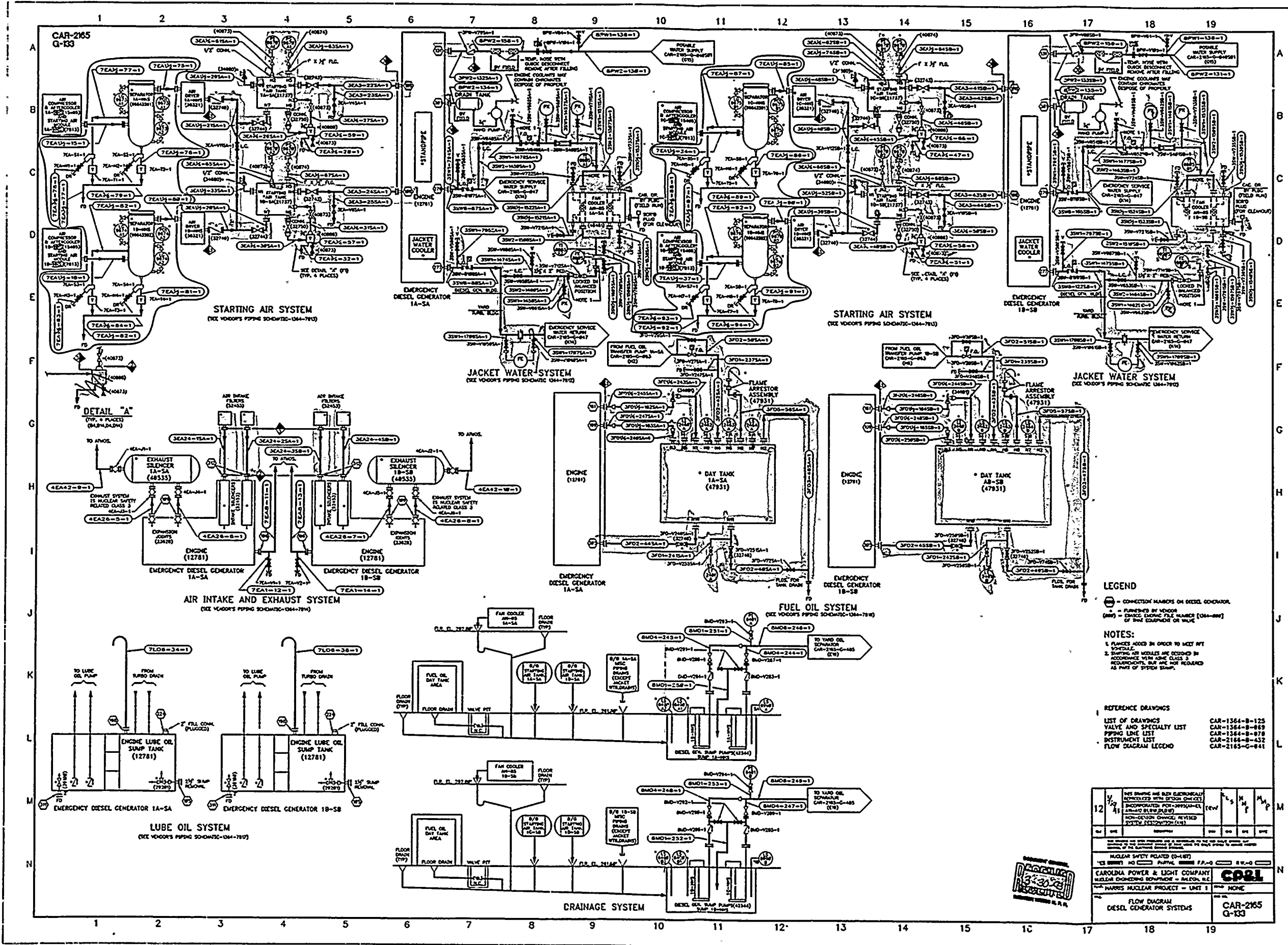
FLOW DIAGRAM
 MISCELLANEOUS SYSTEMS
 CAR-2165
 G-088

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DOCUMENT CONTROL

Available on
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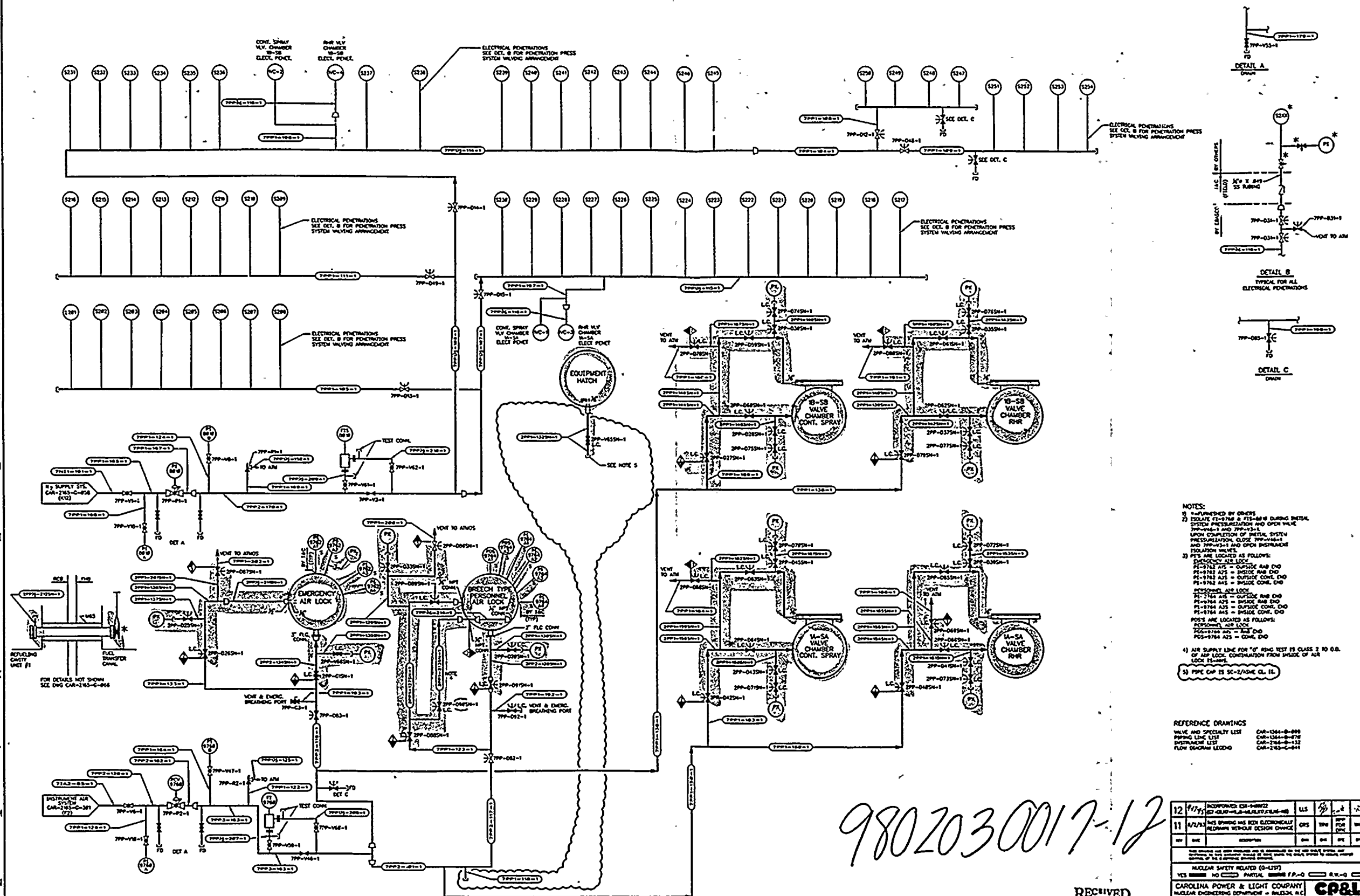
9802030017-11

OFFICE OF THE
ATTORNEY GENERAL

STATE OF CALIFORNIA
SACRAMENTO

1900

CAR-2165
G-166



NOTES:
 1) IS SUPPLY LINE FOR 'O' RING TEST IS CLASS 2 TO O.R. OF AIR LOCK CONTINUATION FROM INSIDE OF AIR LOCK IS-2045.
 2) PIPE CAP IS SC-2/ASME CL. II.

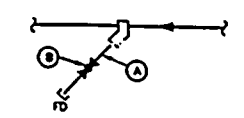
REFERENCE DRAWINGS
 VALVE AND SPECIALTY LIST CAR-1364-B-000
 PIPING LINE LIST CAR-1364-B-070
 INSTRUMENT LIST CAR-1364-B-132
 FLOW DIAGRAM LEGEND CAR-2165-G-041

12	1/11/75	ISSUED: ED-48822 ED-0427-44-48172/2165-10	LS			
11	4/2/75	REV: ISSUED FOR ELEC. PENETRATIONS REVISIONS WITHOUT DESIGN CHANGE	DES	ENR	APP FOR DES	INS
10	1/2/75	ISSUED FOR DESIGN	DES	ENR	APP FOR DES	INS
NUCLEAR SAFETY RELATED (S-LIST) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> PARTIAL <input type="checkbox"/> NONE <input type="checkbox"/> R.W.-0 CAROLINA POWER & LIGHT COMPANY NUCLEAR ENGINEERING DEPARTMENT - WAREHOUSING DIV. CP&L HARRIS NUCLEAR PROJECT - UNIT 1 NONE						
FLOW DIAGRAM CONTAMINANT PENETRATION PRESSURIZATION SYSTEM UNIT 1						CAR-2165 G-166

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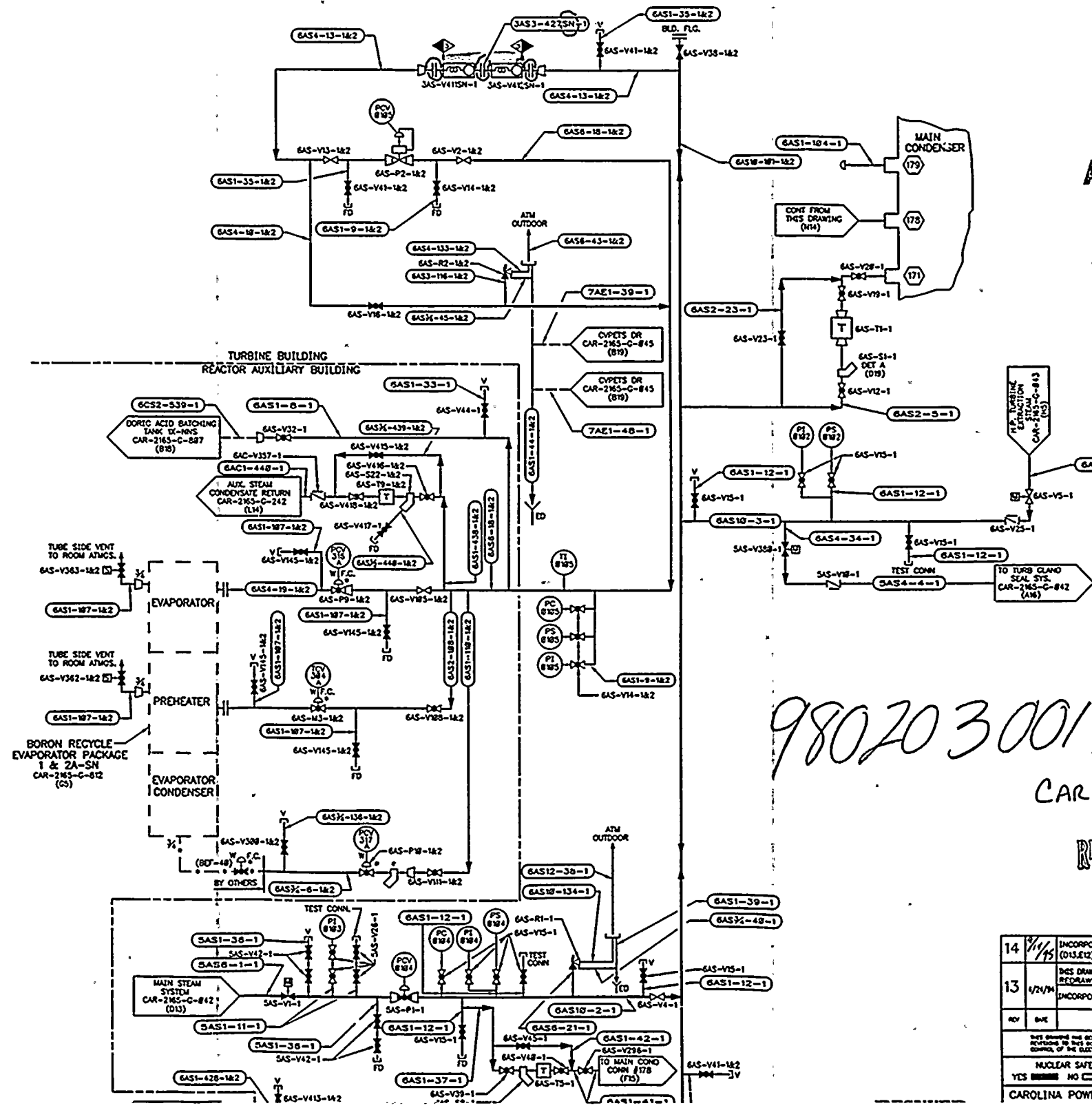
STRAINER SIZE	DRAIN LINE A	DRAIN VALVE B
2"	GAS1-299-1	GAS-V331-1
1"	GAS1-301-1	GAS-V333-1
1"	GAS1-300-1	GAS-V332-1

DETAIL A
TYPICAL ARRANGEMENT
FOR Y STRAINERS

ANSTEC APERTURE CARD

Also Available on
Aperture Card

NOTE:
FOR NOTES AND REFERENCE DRAWINGS SEE
CAR-2165-G-186



9807030017-13

CAR 2165-G-189

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NO. 002406 CONTROL

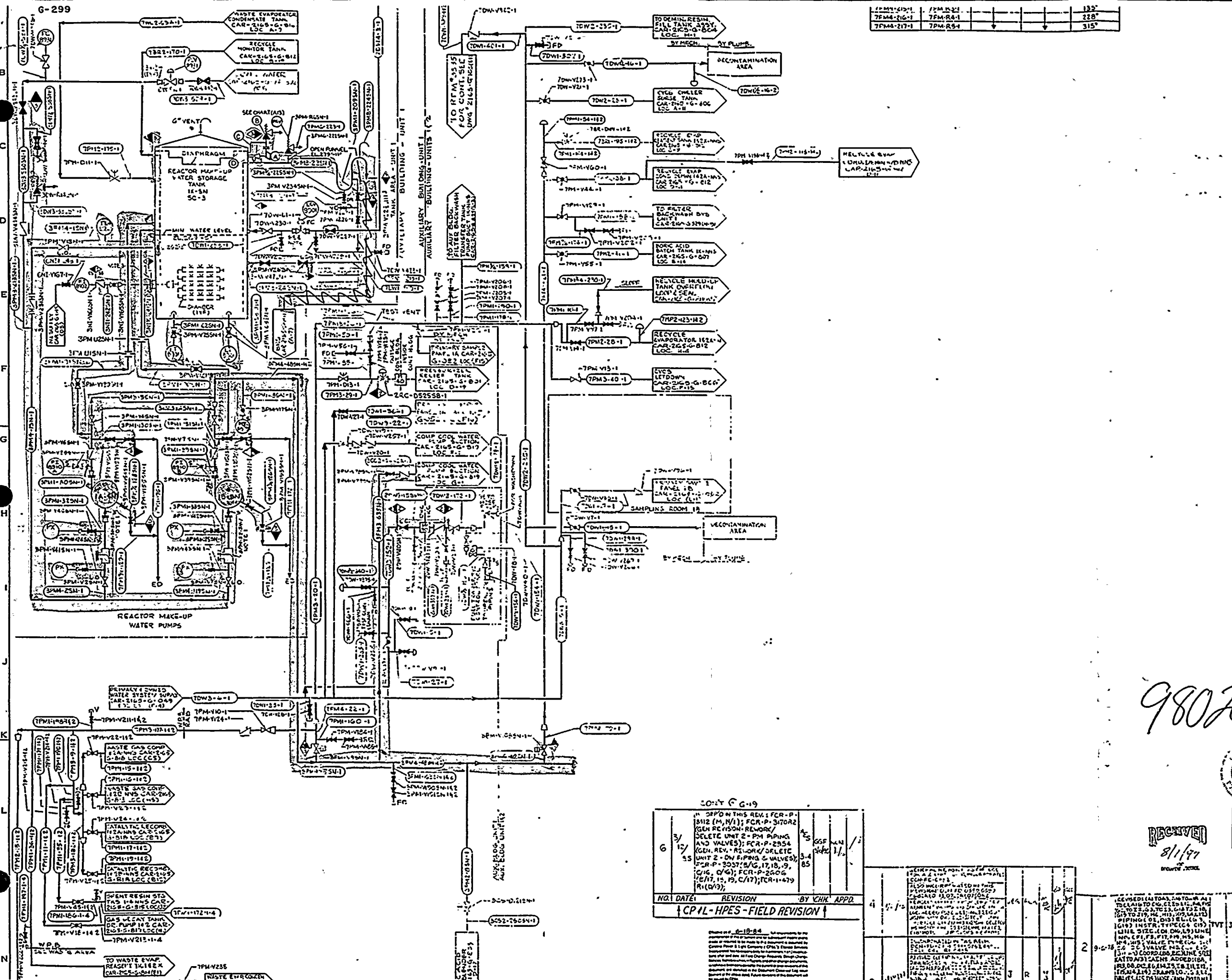
REV	DATE	DESCRIPTION	BY	CHK	APP
14	9/1/95	INCORPORATED ESR-940261 (015.E12)	LLS	SP	JH
13	4/24/94	THIS DRAWING HAS BEEN ELECTRONICALLY REFORMATTED WITH DESIGN CHANGE INCORPORATED PCR-5547 (015.M13)	CRS	RPP	MAP
REV	DATE	DESCRIPTION	BY	CHK	APP

THIS DRAWING HAS BEEN PRODUCED AND IS CONTROLLED BY THE NRC. ANY CHANGES TO THIS DRAWING SHOULD BE MADE THROUGH THE NRC. PLEASE REFER TO THE NRC FOR A LIST OF THE ELECTRONIC DESIGN CHANGES.

NUCLEAR SAFETY RELATED (O-LIST)
 YES NO PARTIAL F.P.-O R.W.-O

CAROLINA POWER & LIGHT COMPANY

1952
MAY 15
1952



7PM-100-1	7PM-101-1	7PM-102-1	135°
7PM-103-1	7PM-104-1	7PM-105-1	220°
7PM-106-1	7PM-107-1	7PM-108-1	315°

ANSTEC APERTURE CARD

Also Available on Aperture Card

NO.	DATE	REVISION	BY	CHK	APPD.
14	1/10/77	INCORPORATED ESR-1400334 (08) AND 1400335 (08) IN THIS REVISION (INCORPORATED BY P-2481 (C))	E	S	P
13	1/10/77	INCORPORATED IN THIS REVISION: P-2481 (C); 312 (E) (E9)	E	S	P
12	1/10/77	INCORPORATED IN THIS REVISION: P-2481 (C); (E5)	E	S	P
11	1/10/77	INCORPORATED IN THIS REVISION: P-2481 (C); (E1)	E	S	P
10	1/10/77	INCORPORATED: P-153 (B1, D1, E1), 249 (A2, A6, B4, E5, C4, C5, D1, D5, E1, E3, H1, H2)	E	S	P
9	1/10/77	INCORPORATED: P-153 (B1, D1, E1), 249 (A2, A6, B4, E5, C4, C5, D1, D5, E1, E3, H1, H2)	E	S	P
8	1/10/77	INCORPORATED: P-153 (B1, D1, E1), 249 (A2, A6, B4, E5, C4, C5, D1, D5, E1, E3, H1, H2)	E	S	P
7	1/10/77	INCORPORATED IN THIS REVISION: DCA-M-142 (C11, C12, E2 THRU K1), FCR-1-375 R2 (C4), FCR-P-333 (A1-A5, C4, D1, D4, D5, E4), FCR-P-333 (D1, D2), CONT. (E2, E3, E4)	E	S	P

- NOTES:
1. TEMPORARY STRAINER FOR INITIAL FLUSHING REMOVE BEFORE START-UP.
 2. CONTROL VALVES SUPPLIED WITH REDUCERS.
 3. FLAG PERTAIN TO 1400335 (08) BOUNDARY FOR NITROGEN SYSTEM ONLY. THE TANK AND TANK NOZZLE ARE ALL ASME III CLASS 3.

FOR REFERENCE DRAWINGS SEE CAR-2165-G-049504.

9802030017-14



NUCLEAR SAFETY RELATED IN PART ONLY

APPROVED FOR CONSTRUCTION

CAR-2165-G-299

RECEIVED
8/1/77

NO.	DATE	REVISION	BY	CHK	APPD.
6	3/12/77	DELETED IN THIS REVISION: FCR-P-3112 (M, N1); FCR-P-3170 R2 (GEN REVISION-REWORK/DELETE UNIT 2-PM PIPING AND VALVES); FCR-P-2954 (GEN. REV. REWORK/DELETE UNIT 2-DN PIPING & VALVES); FCR-P-3037 (S/G, 17, 18, 9, C16, C17); FCR-P-2406 (E17, 18, 19, C17); FCR-1-479 (R1-D19);	E	S	P

CP 11-HPES-FIELD REVISION

NO.	DATE	REVISION	BY	CHK	APPD.
4	1/10/77	INCORPORATED IN THIS REVISION: P-2481 (C); (E5)	E	S	P
2	1/10/77	INCORPORATED IN THIS REVISION: P-2481 (C); (E5)	E	S	P

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM
PRIMARY & DEMINERALIZER WATER SYSTEM
REACTOR AUXILIARY BUILDING
UNIT 1

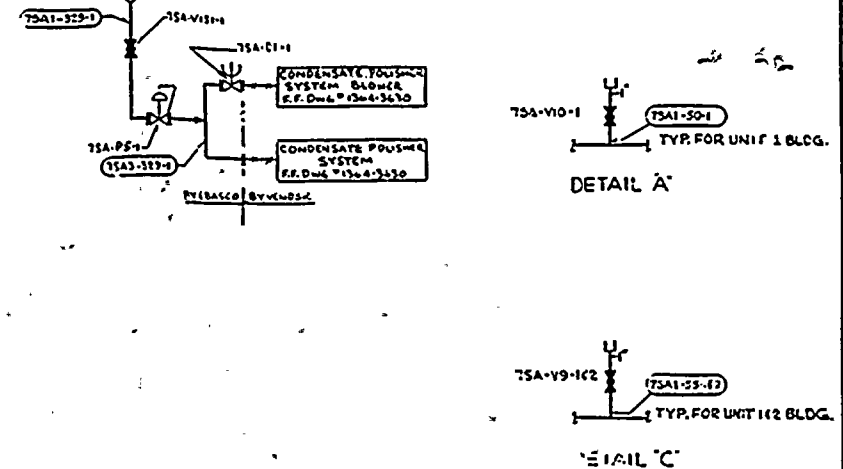
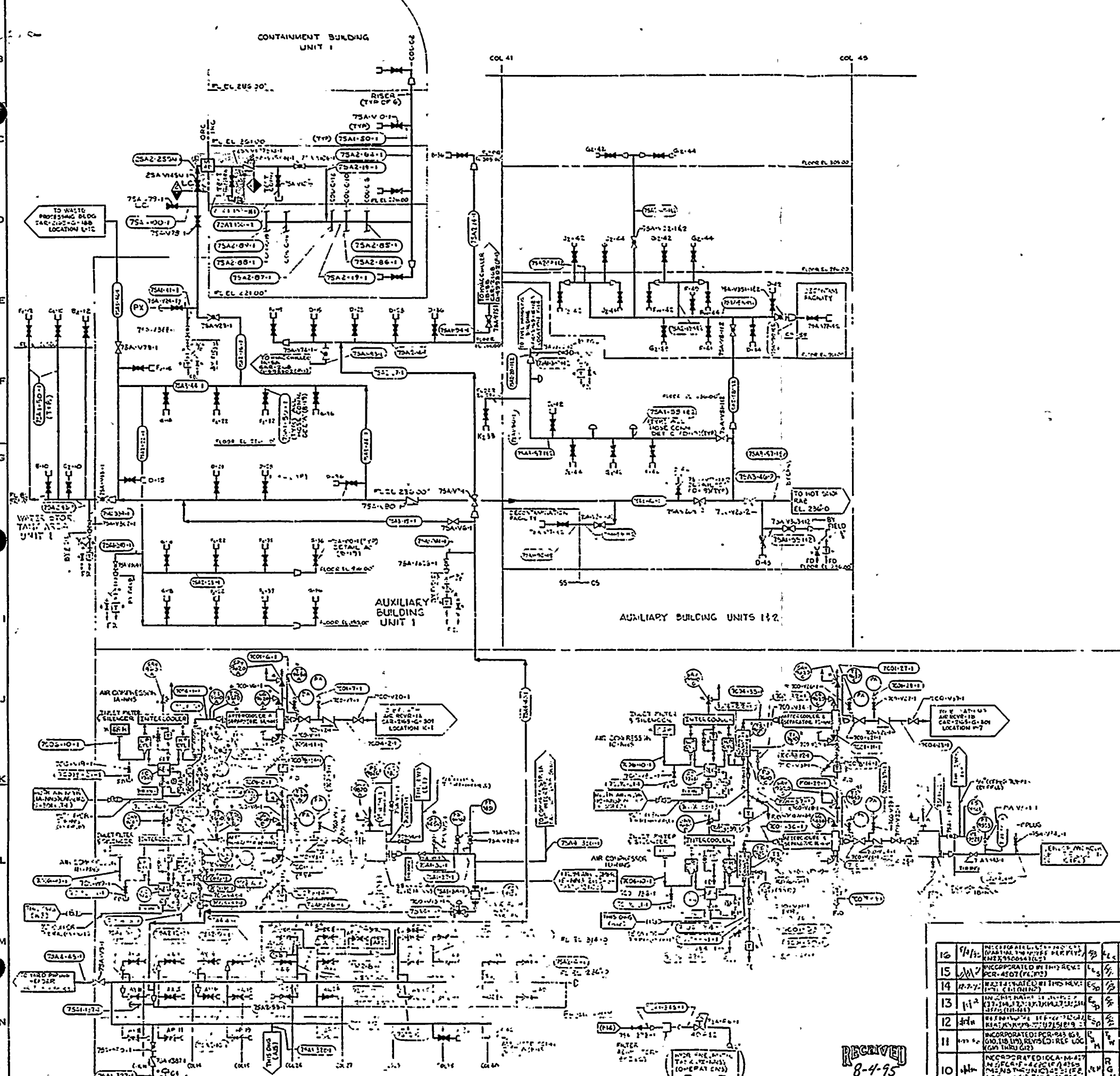
DATE: 8-18-84

BY: [Signature]

FOR: [Signature]

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FOR THE YEAR ENDING 12/31/50



ANSTEC APERTURE CARD

Also Available on Aperture Card

9802030017-15

THIS DRAWING SUPERSEDES DRAWING CAR-2165-G-057 DURING CONSTRUCTION THE TYPICAL SERVICE AIR OUTLET CONNECTION MUST BE REPLACED BY THE CONNECTION SHOWN IN THIS DRAWING. FOR ADDITIONAL NOTES AND REFERENCE DRAWINGS SEE G-188 & G-241.

9	INCORP. INTO REV. P-1970 (R) (M) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YY) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)
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NUCLEAR SAFETY RELATED IN PART ONLY

APPROVED FOR CONSTRUCTION

CAR-2165 G-300

CAROLINA POWER & LIGHT COMPANY SHEARON HARRIS NUCLEAR POWER PLANT

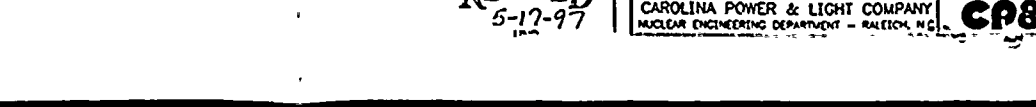
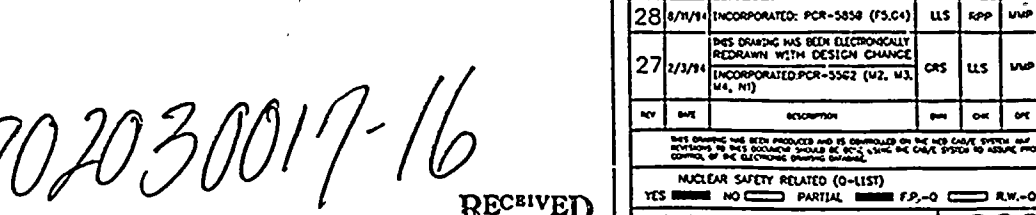
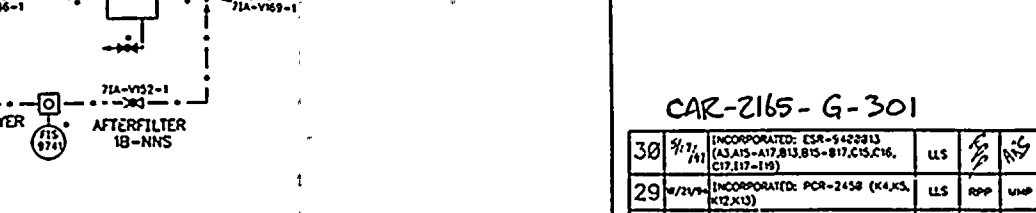
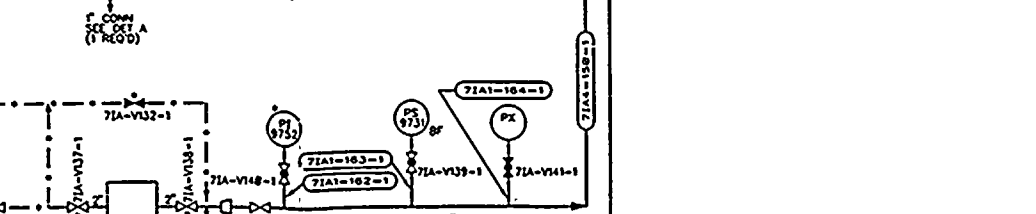
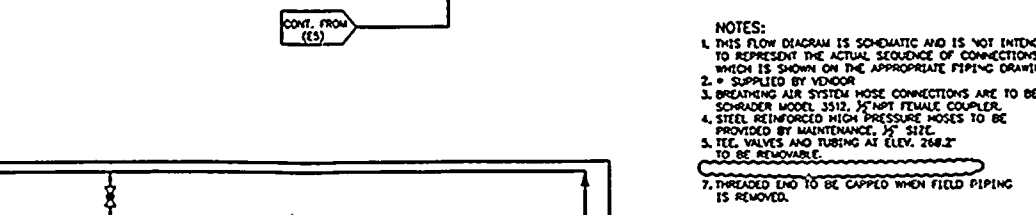
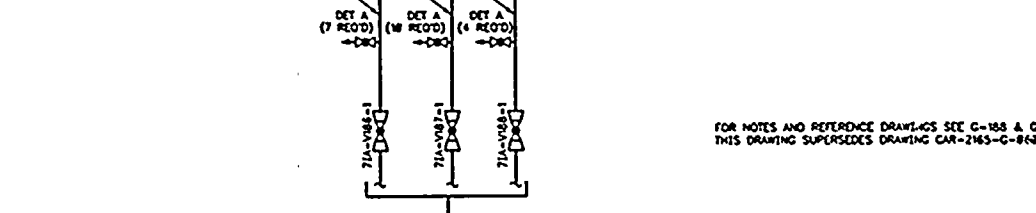
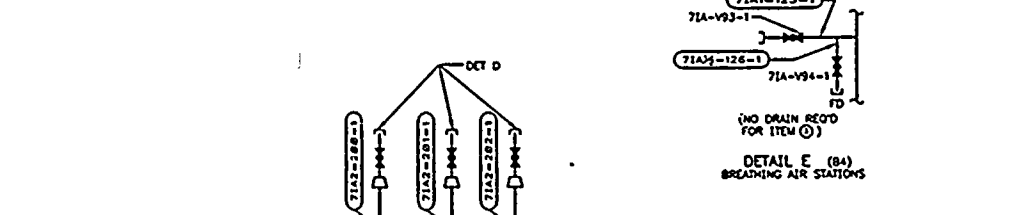
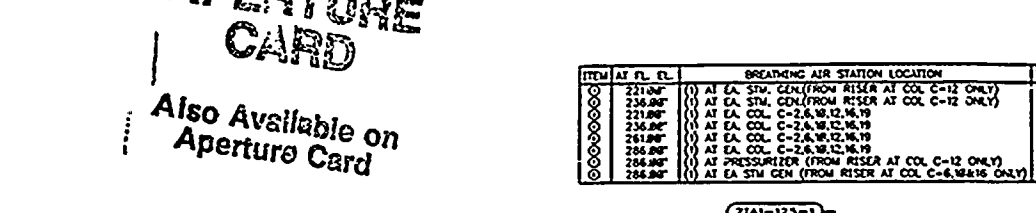
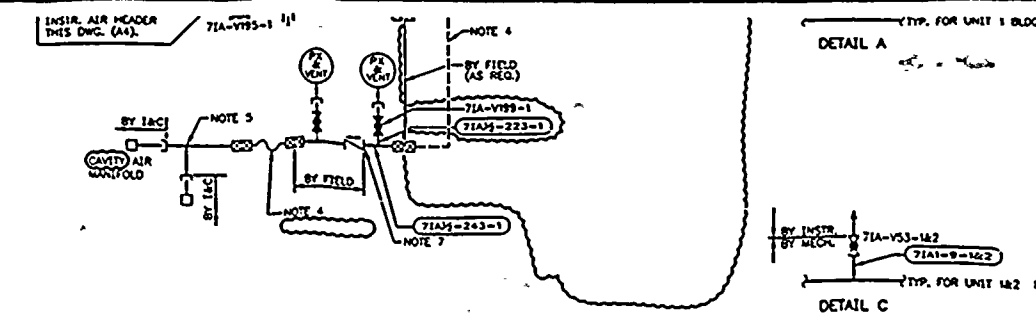
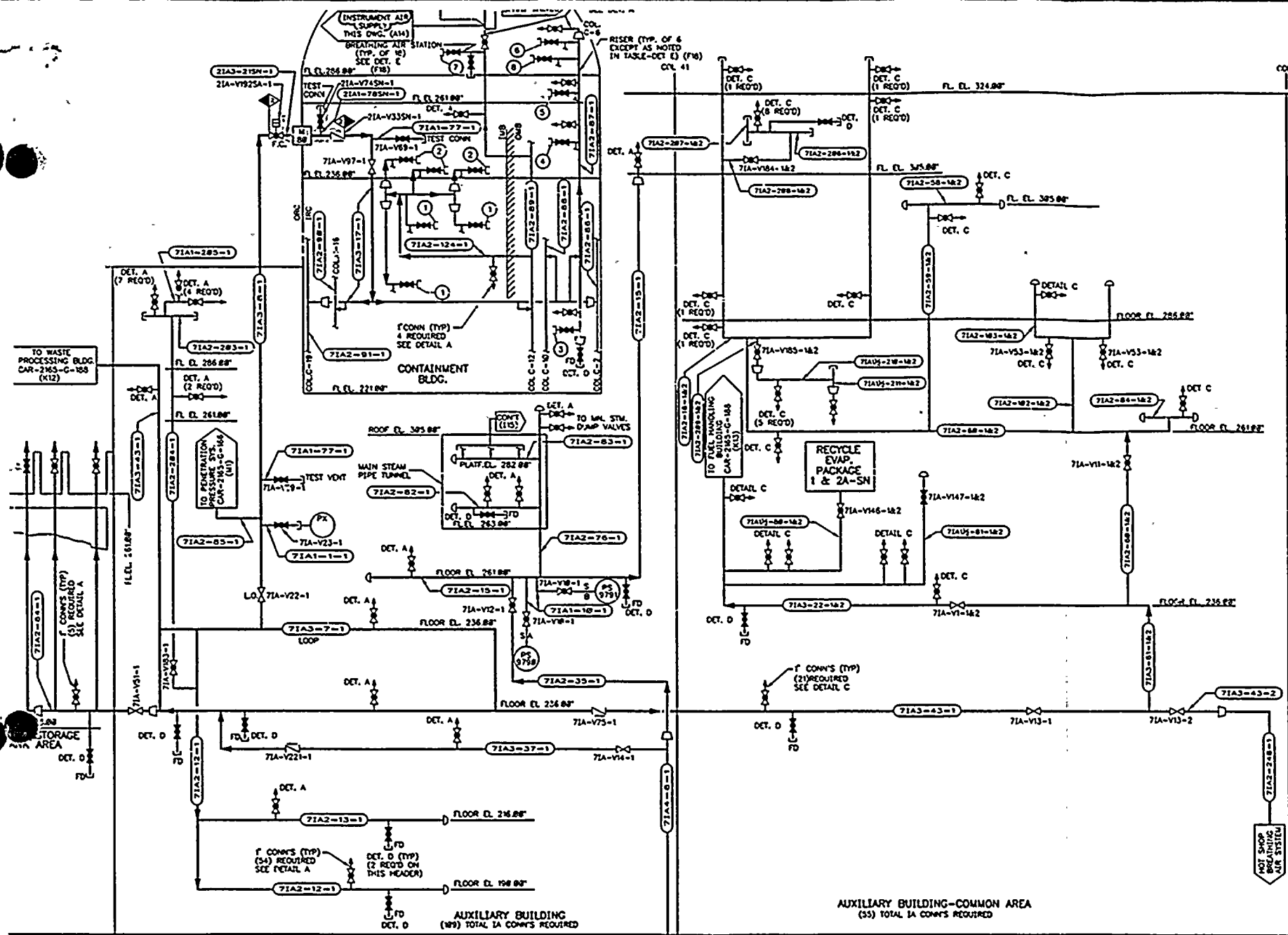
FLOW DIAGRAM SERVICE AIR SYSTEM

EBASCO SERVICES INCORPORATED

16	1/15/74	INCORPORATED PER-4507 (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YY) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)
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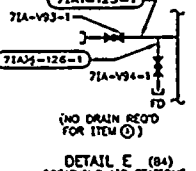
RECEIVED 8-4-95

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1960



**ANSTEC
APERTURE
CARD**
Also Available on
Aperture Card

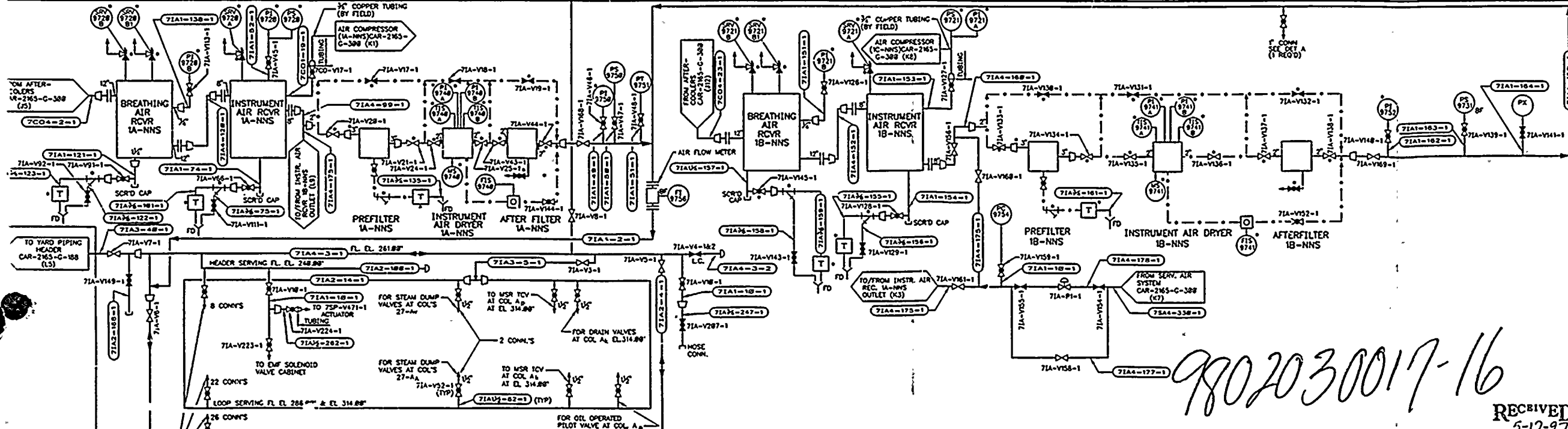
ITEM	AT FL. EL.	BREATHING AIR STATION LOCATION	TO
1	221.88'	AT EA. STW. GEN. (FROM RISER AT COL. C-12 ONLY)	
2	236.88'	AT EA. STW. GEN. (FROM RISER AT COL. C-12 ONLY)	
3	231.88'	AT EA. COL. C-2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	
4	236.88'	AT EA. COL. C-2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	
5	261.88'	AT EA. COL. C-2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	
6	266.88'	AT EA. COL. C-2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	
7	266.88'	AT PRESSURE (FROM RISER AT COL. C-12 ONLY)	
8	266.88'	AT EA. STW. GEN. (FROM RISER AT COL. C-6, 8, 14, 15 ONLY)	



DETAIL E (B4)
BREATHING AIR STATIONS

FOR NOTES AND REFERENCE DRAWINGS SEE C-188 & C-1
THIS DRAWING SUPERSEDES DRAWING CAR-2165-G-809

- NOTES:
- THIS FLOW DIAGRAM IS SCHEMATIC AND IS NOT INTENDED TO REPRESENT THE ACTUAL SEQUENCE OF CONNECTIONS, WHICH IS SHOWN ON THE APPROPRIATE PIPING DRAWING.
 - IS SUPPLIED BY VENDOR.
 - BREATHING AIR SYSTEM HOSE CONNECTIONS ARE TO BE SCHROEDER MODEL 3312, 3/4" FEM. COUPLER.
 - STEEL REINFORCED HIGH PRESSURE HOSES TO BE PROVIDED BY MAINTENANCE, 3/4" SIZE.
 - TEEL VALVES AND TUBING AT ELEV. 266.88' TO BE REMOVABLE.
 - THREADED END TO BE CAPPED WHEN FIELD PIPING IS REMOVED.



CAR-2165-G-301

NO.	DATE	DESCRIPTION	BY	CHK	APP.
30	8/1/81	INCORPORATED: ESR-5428313 (AS.15-A17.813.815-817.815.816, 817.817-119)	LLS		
29	8/2/81	INCORPORATED: PCR-2458 (K4,K5, K12,K13)	LLS	RPP	WHP
28	8/1/81	INCORPORATED: PCR-5858 (F5,G4)	LLS	RPP	WHP
27	1/3/81	THIS DRAWING HAS BEEN ELECTRONICALLY REDRAWN WITH DESIGN CHANGE INCORPORATED: PCR-3562 (M2, M3, M4, M7)	CPS	LLS	WHP

9802030017-16

RECEIVED
5-17-97

THIS DRAWING HAS BEEN PRODUCED AND IS CONTROLLED ON THE MFG. DATA SYSTEM AND SHOULD BE KEPT UNDER THE CLOSEST CONTROL OF THE ELECTRONIC DRAWING DIVISION.

NUCLEAR SAFETY RELATED (O-151)
YES NO PARTIAL F.P.-Q R.W.-Q

CAROLINA POWER & LIGHT COMPANY
NUCLEAR ENGINEERING DEPARTMENT - RALEIGH, N.C. **CP&L**

1954
APR 10
1954

ANSTEC APERTURE CARD

Also Available on
Aperture Card

Piping Not in Service - UNTIL
ADDITIONAL FUEL STORAGE
CAPACITY IS REQUIRED

NOTES:
FOR NOTES AND REFERENCE DWGS
SEE DWG CAR-2165-G-001

9802030017-17

NUCLEAR SAFETY
RELATED

APPROVED
FOR
CONSTRUCTION

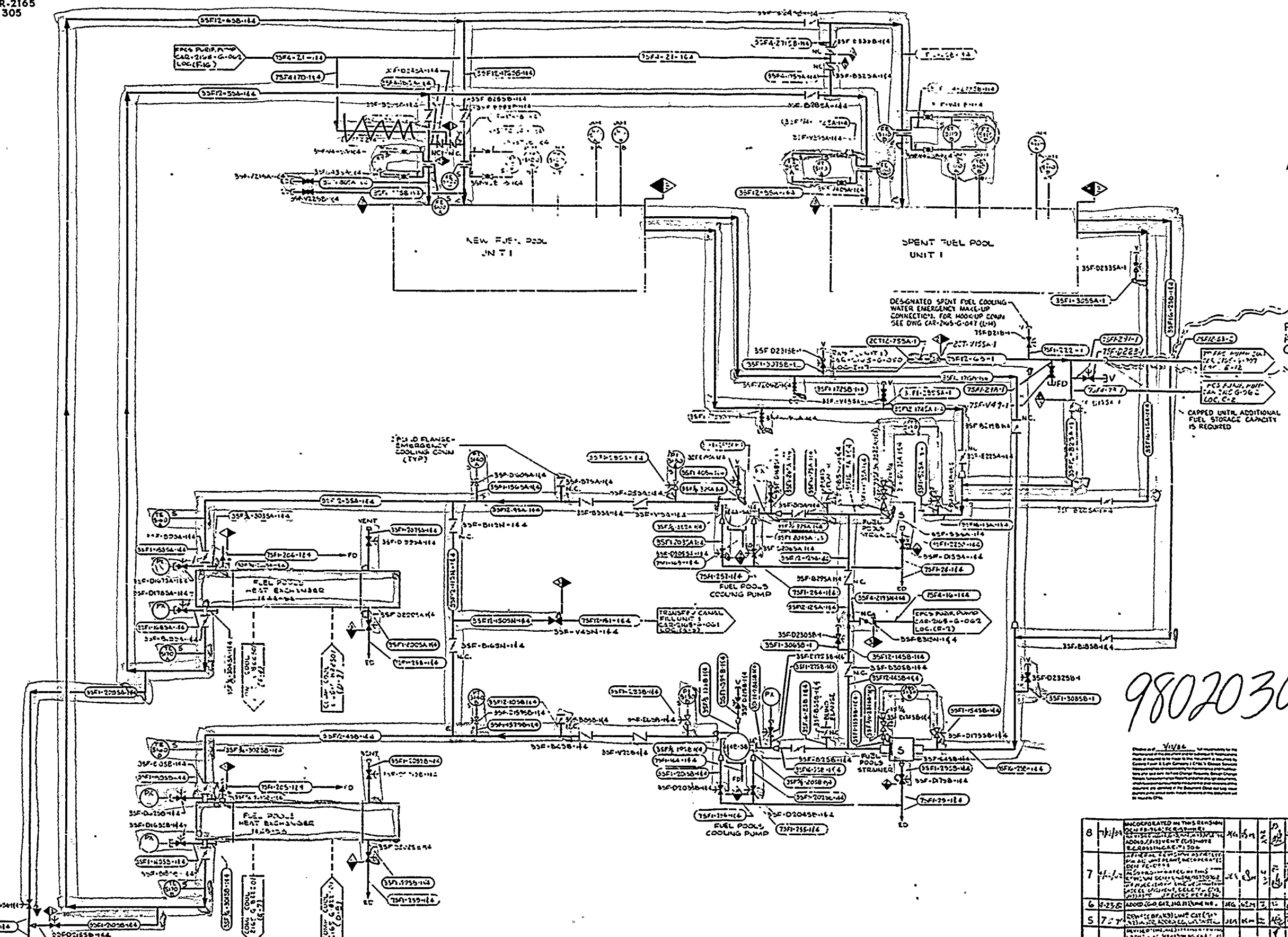
CAR-2165
G-305

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM
FUEL POOLS COOLING SYSTEM
UNIT 1

ERASCO SERVICES INCORPORATED

SCALE NONE
APPASER DATE 7-79



REV	DATE	DESCRIPTION	BY	CHKD	APP'D
8	7/1/79	INCORPORATED IN THIS REVISION REV. 7/1/79 PER DWG CAR-2165-G-001	...	...	...
7	7/1/79	ADD. REV. 7/1/79 PER DWG CAR-2165-G-001	...	...	...
6	7/23/79	ADD. (GO GAS) REVISION NO. 7/23/79	...	...	...
5	7/27/79	ADD. (GO GAS) REVISION NO. 7/27/79	...	...	...
4	7-27-79	REVISED (GO GAS) REVISION NO. 7-27-79	...	...	...
3	7-30-79	ADD. (GO GAS) REVISION NO. 7-30-79	...	...	...
2	12-28-78	REVISED APPROVED FOR CONSTRUCTION	...	...	...
11	12/12/78	INCORPORATED DCA-M-603/KC CH Q12 J21/PCR-P-4852/04 14 (J4 LA) PVA-P-409/R/1M/5/KS/REVISION: REV. NO. 11/1	...	...	...
12	1/22/79	INCORPORATED IN THIS REV. PER REV. 1/22/79 (M, R, S)	...	...	...
13	2/1/79	INCORPORATED IN THIS REV. PER REV. 2/1/79 (M, R, S)	...	...	...
14	2/1/79	INCORPORATED IN THIS REV. PER REV. 2/1/79 (M, R, S)	...	...	...



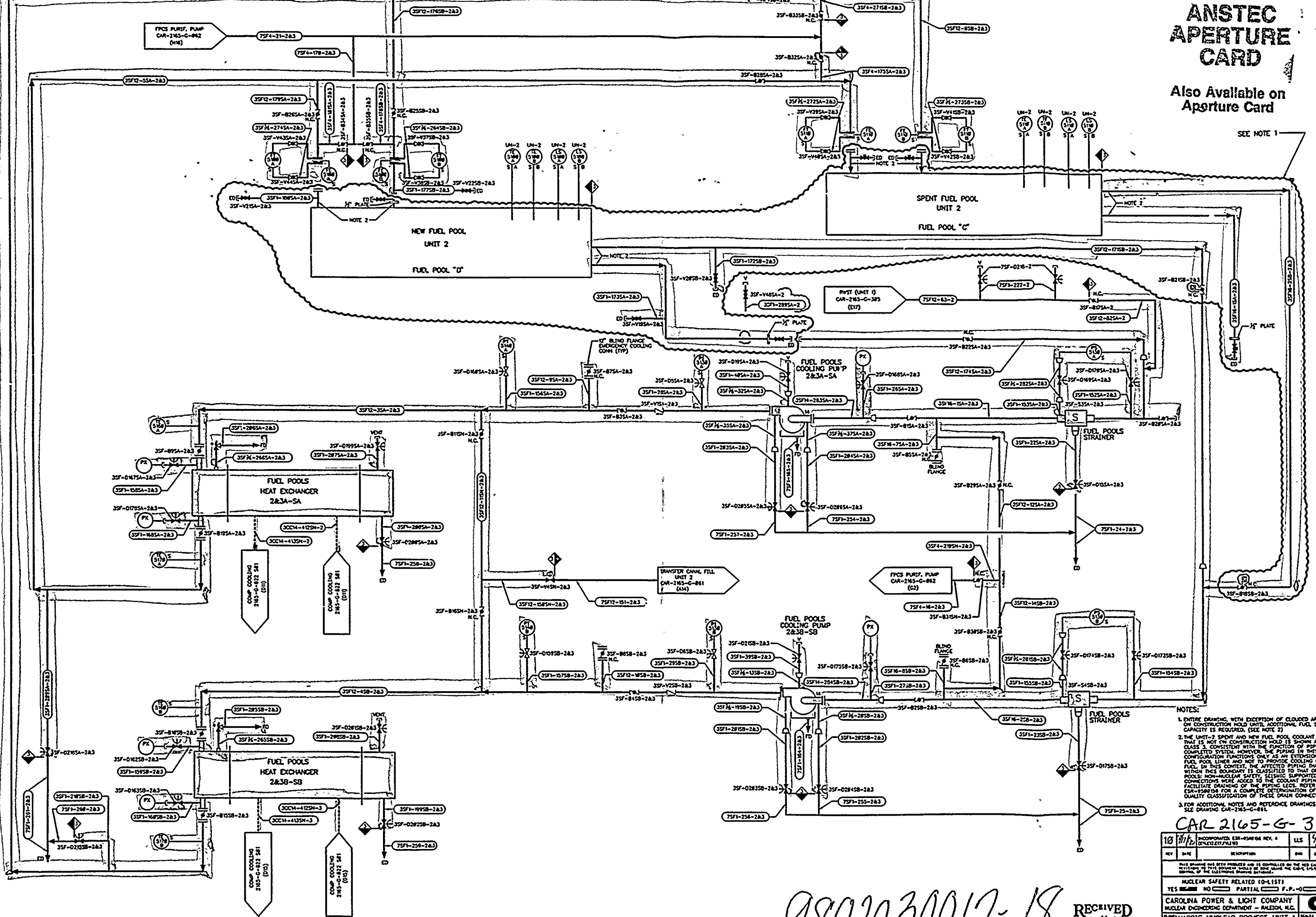
SECRET

NO FOREIGN DISSEM
WITHOUT AUTHORITY

ANSTEC APERTURE CARD

Also Available on Aperture Card

SEE NOTE 1



- NOTES:
- ENTIRE DRAWING, WITH EXCEPTION OF CLOUSED AREAS, IS ON CONSTRUCTION HOLD UNTIL ADDITIONAL FUEL STORAGE CAPACITY IS REQUIRED. (SEE NOTE 2)
 - THE UNIT-2 SPENT AND NEW FUEL POOL COOLANT PIPING THAT IS NOT ON CONSTRUCTION HOLD IS SHOWN AS SAFETY CLASS 3, CONSISTENT WITH THE FUNCTION OF PIPING IN THIS CONFIGURATION FUNCTIONS ONLY AS AN EXTENSION OF THE FUEL POOL LINER AND NOT TO PROVIDE COOLING FOR SPENT FUEL. IN THIS CONTEXT, THE AFFECTED PIPING THAT FALLS WITHIN THIS BOUNDARY IS CLASSIFIED TO THAT OF THE POOLS: NON-NUCLEAR SAFETY, SEISMIC SUPPORTED, DRAIN CONNECTIONS WERE ADDED TO THE COOLANT PIPING TO FACILITATE DRAINING OF THE PIPING LEGS. REFER TO ESR-958084 FOR A COMPLETE DETERMINATION OF THE QUALITY CLASSIFICATION OF THESE DRAIN CONNECTIONS.
 - FOR ADDITIONAL NOTES AND REFERENCE DRAWINGS SEE DRAWING CAR-2165-G-861.

CAR 2165-G-307

REV	DATE	DESCRIPTION	BY	CHK	APP	DATE
10	7/18/95	INCORPORATED ESR-958084 REV. 4 (ENCL. 07/24/95)	LLS	W	W	7/18/95
9						
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YES NO PARTIAL F.P.-0 R.V.-0
 CAROLINA POWER & LIGHT COMPANY
 NUCLEAR ENGINEERING DEPARTMENT - RALEIGH, N.C.
 HARRIS NUCLEAR PROJECT-UNIT 1
 SCALE: NONE
 FLOW DIAGRAM
 FUEL POOLS COOLING SYSTEM
 CAR-2165

9802030017-18

RECEIVED
7-18-95
DOCUMENT CONTROL

OFFICE OF THE
ATTORNEY GENERAL
STATE OF TEXAS
AUSTIN, TEXAS

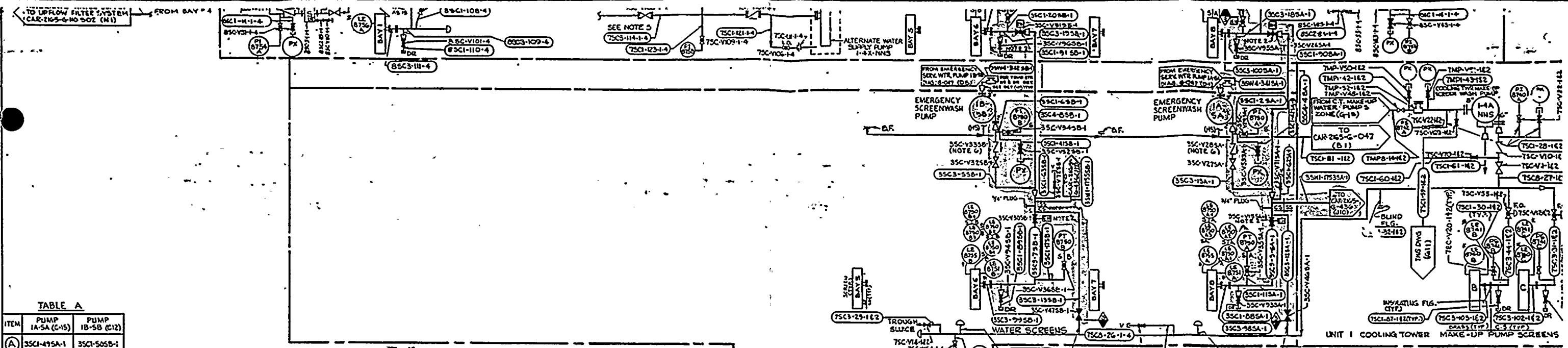
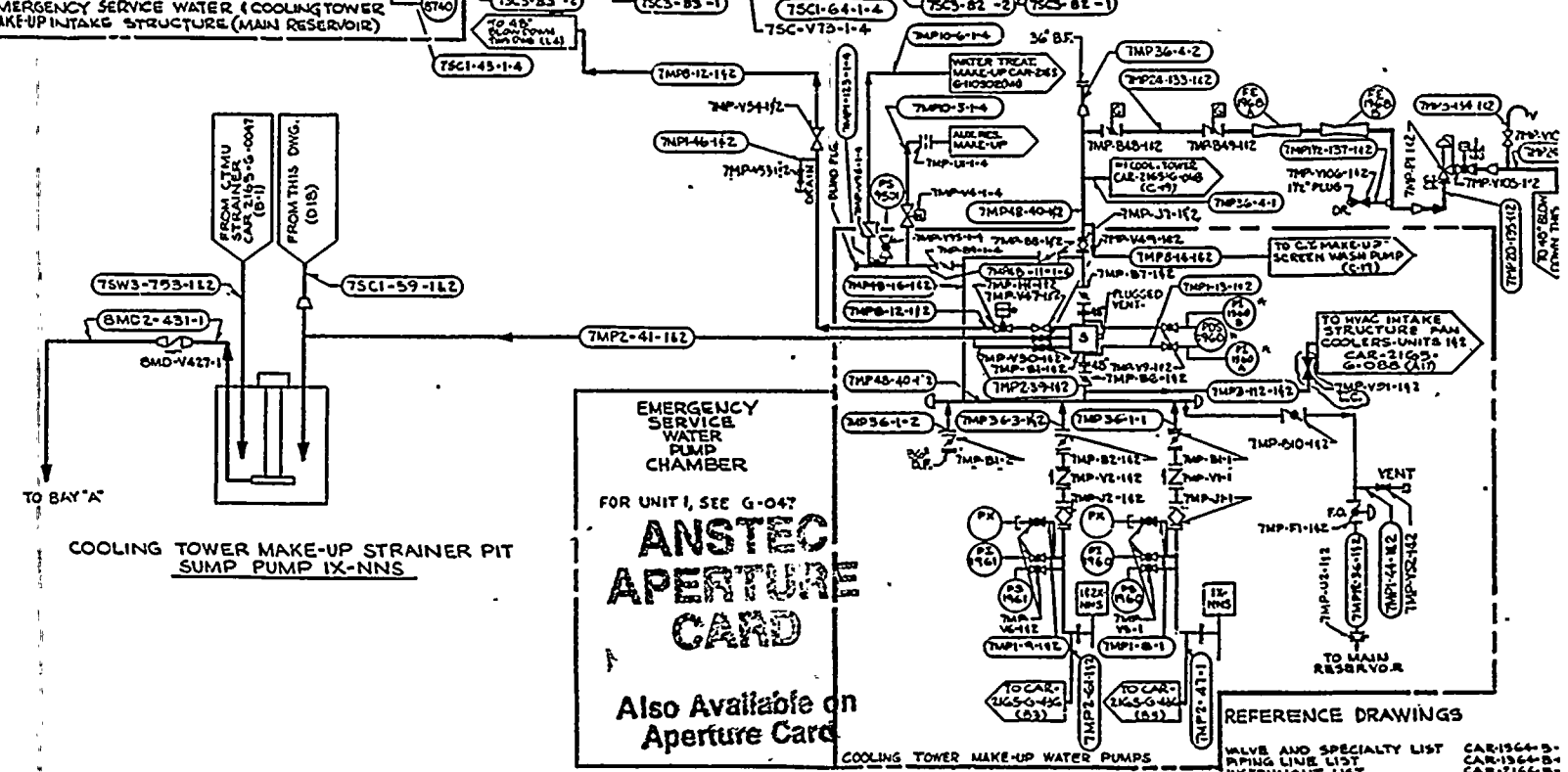
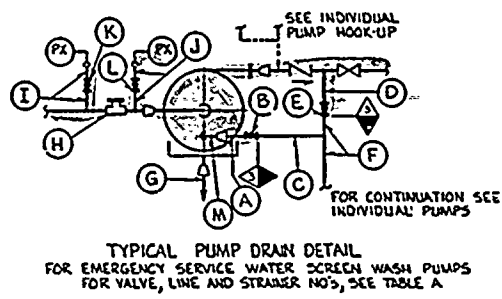


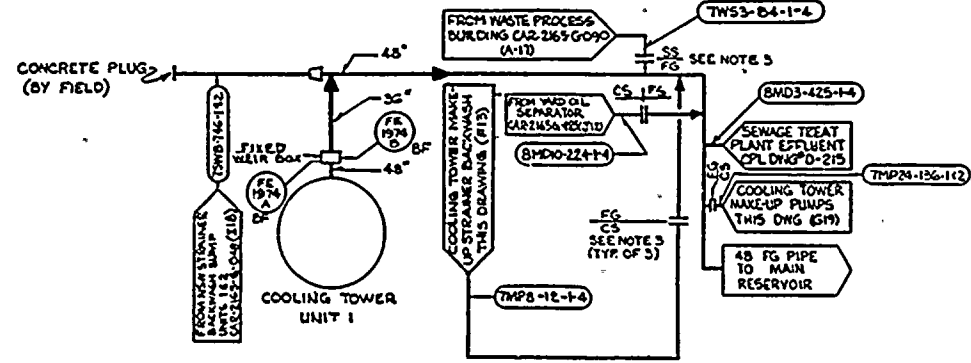
TABLE A

ITEM	PUMP 1A-SA (C-15)	PUMP 1B-SB (C12)
A	35CI-495A-1	35CI-505B-1
B	35C-V655A-1	35C-V665B-1
C	75CI-53-1	75CI-54-1
D	35C-575A-1	35C-525B-1
E	35C-V675A-1	35C-V685B-1
F	75CI-59-1	75CI-54-1
G	75CI-57-1	75CI-58-1
H	35W-5285A-1	35W-5295B-1
I	35W-7395A-1	35W-7395B-1
J	35W-7405A-1	35W-7405B-1
K	35W-V505A-1	35W-V505B-1
L	35W-V525A-1	35W-V525B-1
M	35C-2-265A-1	35C-2-275B-1



- NOTES:**
1. FLS'S ADJOINING RUBBER EXP. JT. TO BE FLAT FACED
 2. VALVES WILL BE PROVIDED W/ELECTRO-HYDRAULIC OPERATOR WHICH WILL FAIL CLOSED.
 3. CARBON OR STAINLESS STEEL TO FIBREGLASS BREAK
 4. W - BY VENDOR
 5. LINE IS USED AS A TEMPORARY WATER SUPPLY FOR THE UPFLOW FILTER SYSTEM.
 6. VALVE INTERNALS REMOVED

NO.	DATE	DESCRIPTION	BY	CHKD	APP'D
15	11/11	INCORPORATED: PCR-4207 PARTIAL TURN-OVER PER FR-15 (G18)	...	...	...
14	10/10	INCORPORATED IN THIS REVISION: PCR-4207 (G18, G19, G20)	...	...	...
13	10/10	INCORPORATED IN THIS REVISION: PCR-4207 (G18, G19, G20)	...	...	...
12	10/10	INCORPORATED IN THIS REV: PCR-4438 (D18, F11, G9-G15, H10, H15, I10-I15)	...	...	...
11	10/10	INCORPORATED IN THIS REVISION: PCR-2878 (B13, B16)	...	...	...
10	10/10	THIS DRAWING HAS BEEN PHOTOGRAPHICALLY REPRODUCED. THIS DRAWING WAS ORIGINALLY SEALED BY FA SWEENEY JR NCEP 1945 & RA STEWART NCEP 8677.	...	...	...
9	10/10	INCORPORATED: PCR-1716 (F11, F12, F13, L14, L15), REVISED: CONT. COORD. (B13, C15, C19)	...	...	...
8	10/10	INCORPORATED: DCA-M-50812 (K6) G64 (F18, F19) REVISED: VALVE POS. (A4, A18)	...	...	...
7	10/10	INCORPORATED: DCA-M-50812 (K6) (F18, F19) REVISED: VALVE POS. (A4, A18)	...	...	...
22	10/10	INCORPORATED: ESR-9500812 (H18)	...	...	...
21	10/10	INCORPORATED: ESR-9500812 (G16, D15, D16)	...	...	...
20	10/10	INCORPORATED: ESR-9500812 (D12, D13)	...	...	...
19	10/10	INCORPORATED: ESR-9500812 (C15)	...	...	...
18	10/10	INCORPORATED: ESR-9500812 (B13, B14, L14, L15)	...	...	...
17	10/10	INCORPORATED: ESR-9500812 (PARTIAL TURN-OVER PER REC 1) (C12, L12, L13)	...	...	...



Drawn as of 6-29-84. All responsibility for the completeness of this drawing and for subsequent modifications shall be assumed by the drafter. This drawing is intended for use by the licensee and is not to be used for any other purpose. All Field Change Requests, Design Change Orders, Nonconformance Reports and other change documents, which have been incorporated by the drafter or approved by the licensee, are identified in the Drawing Change Log and shown in the Drawing Change Log. This drawing is the property of the licensee and shall remain the property of the licensee.

9802030017-19

RECEIVED
2/11/87
NRC CONTROL

NUCLEAR SAFETY RELATED IN PART ON

CAR-2
G-3
APPROVED FOR CONSTRUCTION

THIS DOCUMENT IS DELIVERED IN ACCORDANCE WITH A CONTRACT BETWEEN CAROLINA POWER & LIGHT COMPANY AND EBARCO SERVICES INCORPORATED DATED SEPTEMBER 1, 1984.

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

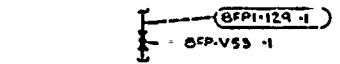
FLOW DIAGRAM
COOLING TOWER BLOWDOWN, MAKE-UP INTAKE STRUCTURES SCREENWASH SYSTEM UNIT 1

EBARCO SERVICES INCORPORATED

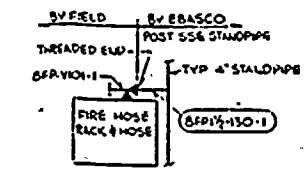
ALBERTA
CALGARY
1950

Alberta Co. Ltd.
Also Available In

1	AIRBORNE RADIOACTIVITY REMOVAL UNITS (CIRCULAR FILTER HOUSINGS)
2	CONTAINMENT FAN COOLER AN 1
3	CABLE TRAYS (TRAIN B)
4	CONTAINMENT FAN COOLER AN 2
5	PRESSURIZER CABLE CONDUITS
6	CONDUIT & CABLE TRAY, R.C. PUMP 1B AREA
7	PRESSURIZER AREA
8	CONDUIT & JUNCTION BOXES AT AZ 240-ANNULUS



DETAIL "A"
TYP LINE AND VALVE NO. FOR DRAIN, VENTS TEST COUPLERS & TEST VENTS



DETAIL "B"
TYP. FIRE HOSE RACK STATION

ANSTEC APERTURE CARD

Also Available on Aperture Card

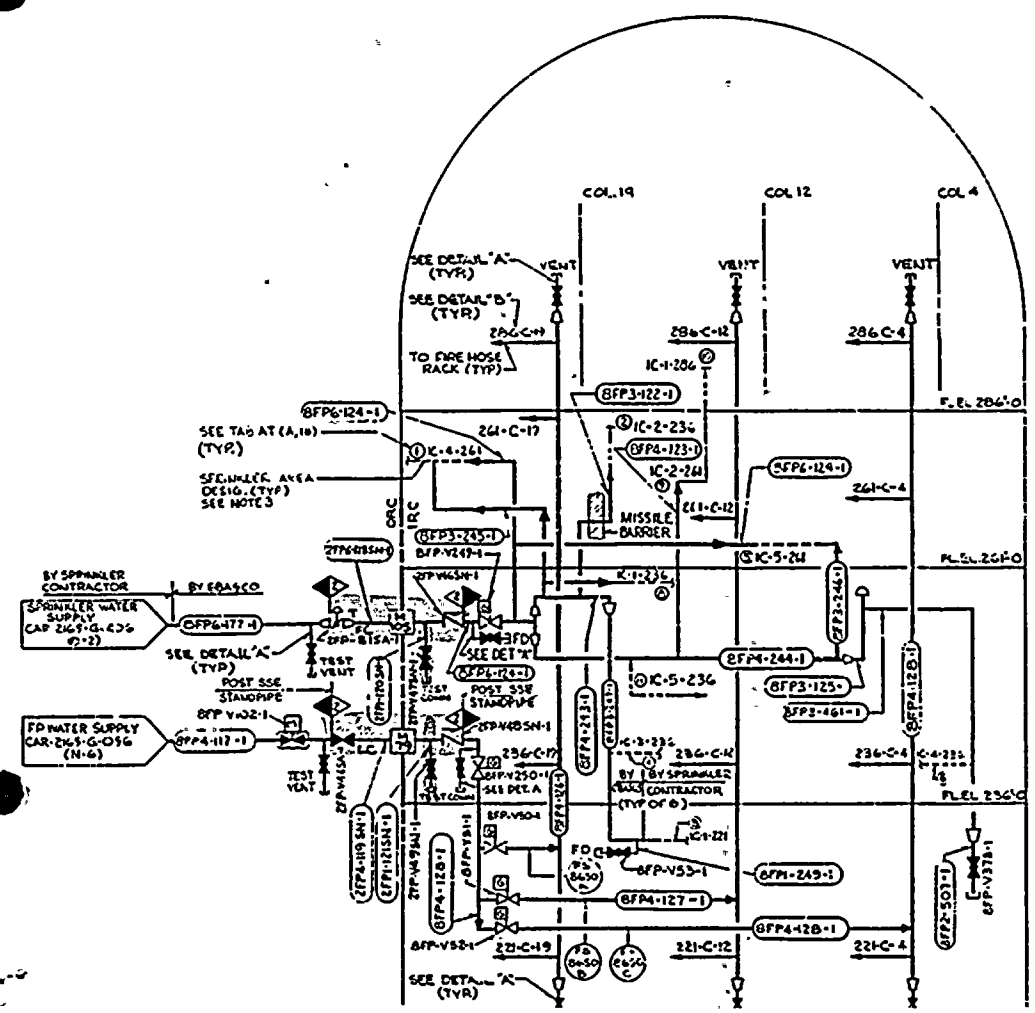
NOTES:

- 2 CONTINUATION OF SPRINKLER SYSTEM IS BY SPRINKLER CONTRACTOR.
- 3 FOR ADDITIONAL NOTES SEE CAR 245-G-406
- 4 FIRE PROTECTION SYSTEMS ARE BASED ON THE GUIDELINES GIVEN IN THE NRC BRN/M TECHNICAL POSITION APPENDIX 9.5-1 APPENDIX "C" DETAIL IN THE FSAR SECTION 9.5-1.

NO.	DATE	REVISION	BY	CHK	APPROVED
13	7/1/11	INCORPORATED IN THIS REV. FOR-6983 (L2)	L.S.	SP	MP
12	4/1/73	INCORPORATED IN THIS REV. FOR-4559 (K2, L2)	D.W.	SP	MP
11	1/4/68	INCORPORATED IN THIS REVISION FOR-2350 (M4)	C.H.	SP	MP
10	1/1/60	INCORPORATED DCA-M-296 (A33) FOR P-613 (B10, B12, B13) FOR P-4527 F.1 (K3, L3)	R.E.	R.M.	SP
9	1/4/60	INCORPORATED DCA-M-296 (A33) FOR P-613 (B10, B12, B13) FOR P-4527 F.1 (K3, L3)	R.E.	R.M.	SP
8	3/6/65	FOR P-3260 (DELETE UNIT 2 FIRE PROTECTION PIPE (TUBS)); CORRECTED DRAFT'S ERR.	A.G.	R.M.	SP

- REFERENCE DRAWINGS
- LIST OF DRAWINGS CAR-1364-B-125
 - VALVE AND SPECIALTY LIST CAR-1364-B-669
 - PIPING LINE LIST CAR-1364-B-070
 - INSTRUMENT LIST CAR-2165-B-432
 - FLOW DIAGRAM LEGEND CAR-2465-G-041

10/11/66
All responsibility for the accuracy of this drawing and for subsequent modifications is assumed by the contractor. The contractor shall be responsible for all field change requests, design change orders, and for all field change requests, design change orders, and for all field change requests, design change orders.



INCORPORATED IN THIS REVISION: DCM-ED-1015R1

NO.	DATE	REVISION	BY	CHK	APPROVED
7	7/9/84	REVISED: (A19, J4) NOTES; (M4) QUANTITY. ADDED: (L6) CAP. DELETED: (D19) ITEMS 4 & 6 (K4, K6) PIPING.	RL	RL	MP
6	7/9/84	INCORPORATED IN THIS REVISION: DCM-ED-94621.	RL	RL	MP
5	1/1/73	GENERAL REMOVAL BY CIRCLED FOR A LIGHT PLANT, INCORPORATES DCM-ED-0311, J.P. 8/4/65, P. 2, 0.03.	M.D.	J.E.	MP
4	1/1/73	INCORP IN THIS REV: DCM ED-0089, 06M 0251, 0272, 0396. REVISED: (E2, E9, M2, M9) VALVE. (D2, D9, E2, E9, K2, K10, L2, L10) VALVE TAG NO. (D3, D4, F3, E11, F3, F11, K3, K11, L3, L11, M3, M11) VALVE OPER. ADDED: (L6, E2, E3, E9, E11, G9, L2, L3, L9, L11) NOTES. DELETED: (C10, E2, F3, E9, E11, L2, L3, L9, L11) SEISMIC CAT 1 NOTE.	J.K.	P.A.	MP
3	9-67	REVISED: (D16) DETAIL B; (E2, E10, L2, L10) VALVE. ADDED: (D3, D11, E3, E11, L3, L11, M3, M11) VALVE A TEST CONSOLE (C11, J3, J11) NOTE. DELETED: (D2, D9, E2, E9, K2, K9, L2, L9) INSTR.; (D2, D9, K2, K9) VALVES; (D1, D9, L1, L9) FLANGE.	J.K.	P.A.	MP

REVISED: (C3 TO C6, C10 TO C13, F4, F12, K3 TO K6, K10 TO K14, M4, M12) PIPING & NOTE: (G11) NOTE: (D1, D9, K4, K6) REF DWG (A1) T.A. ADDED: (E7, D1, D9, E5, E13, F4, F12, F13, G10, J7, J19, K13, L5, L13) M4, M11) NOTE, DELETED: (D1, D9, K4, K6) PIPING - (J10) DNG REF.

NUCLEAR SAFETY RELATED IN PART ONLY

CAR-2165 G-386

APPROVED FOR CONSTRUCTION

THIS DOCUMENT IS DELIVERED IN ACCORDANCE WITH AWP IS SUBJECT TO THE PROVISIONS OF SECTION 5 OF THE CONTRACT BETWEEN CAROLINA POWER & LIGHT COMPANY AND BEACON SERVICES INCORPORATED DATED SEPTEMBER 5, 1974, AS AMENDED.

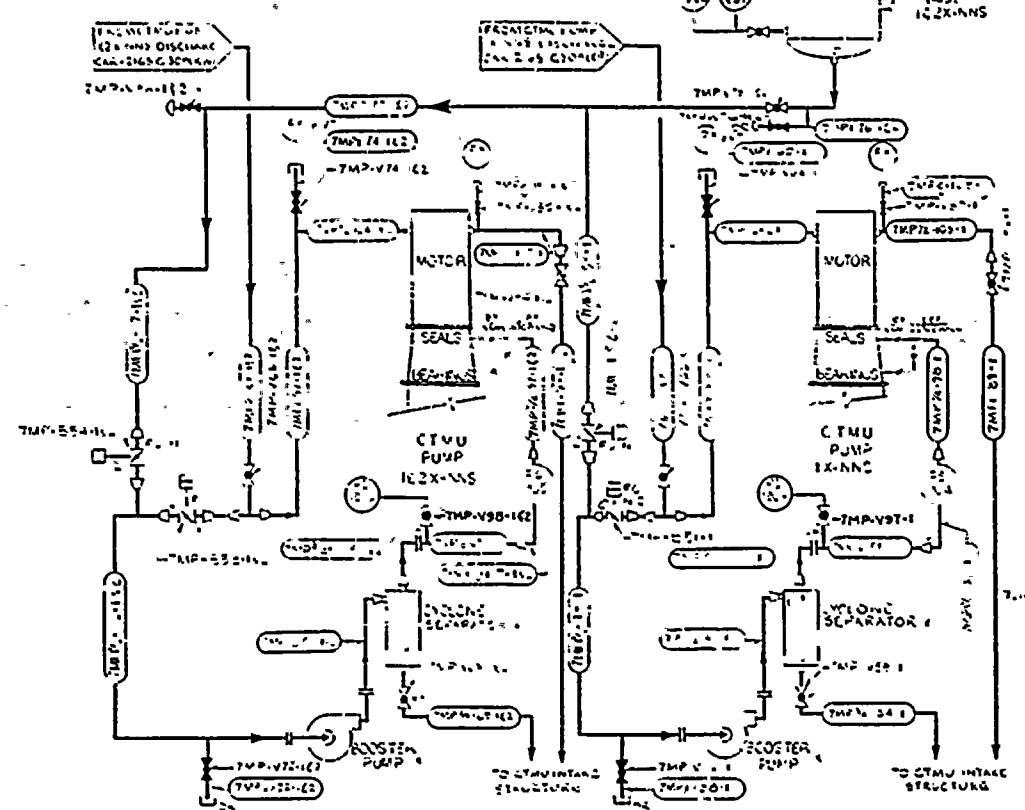
CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLAN

FLOW DIAGRAM
FIRE PROTECTION SYSTEM
SHEET 4

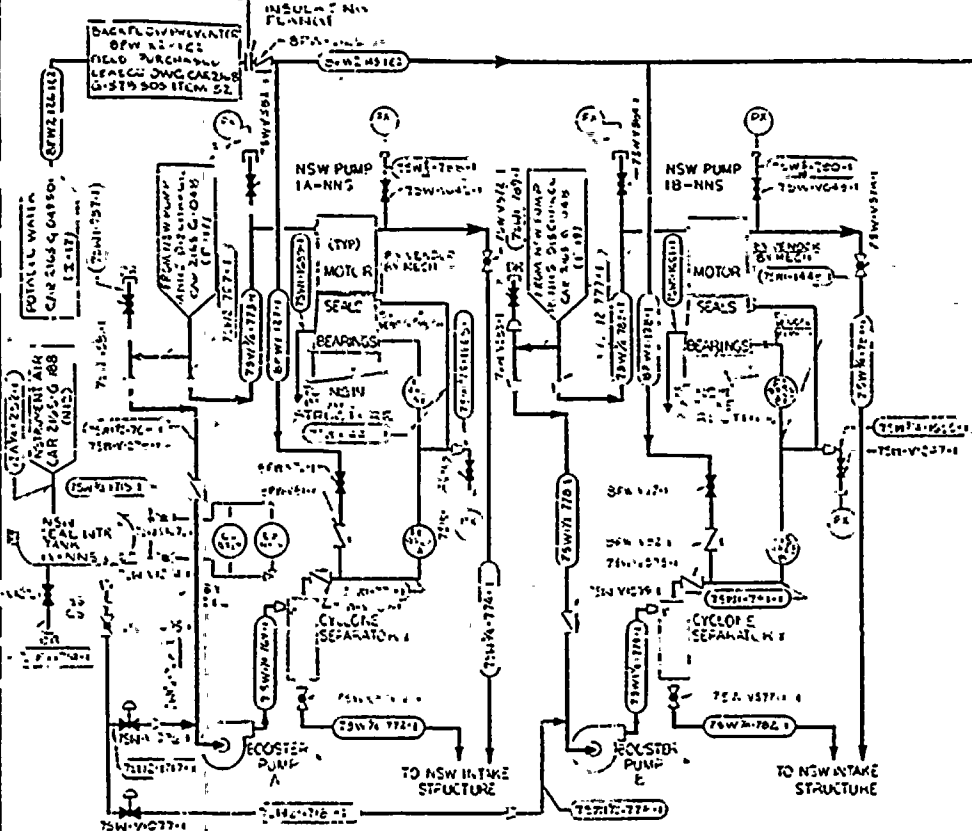
9802030017-20

STANDARD
MILITARY
PAPER

MADE IN U.S.A.



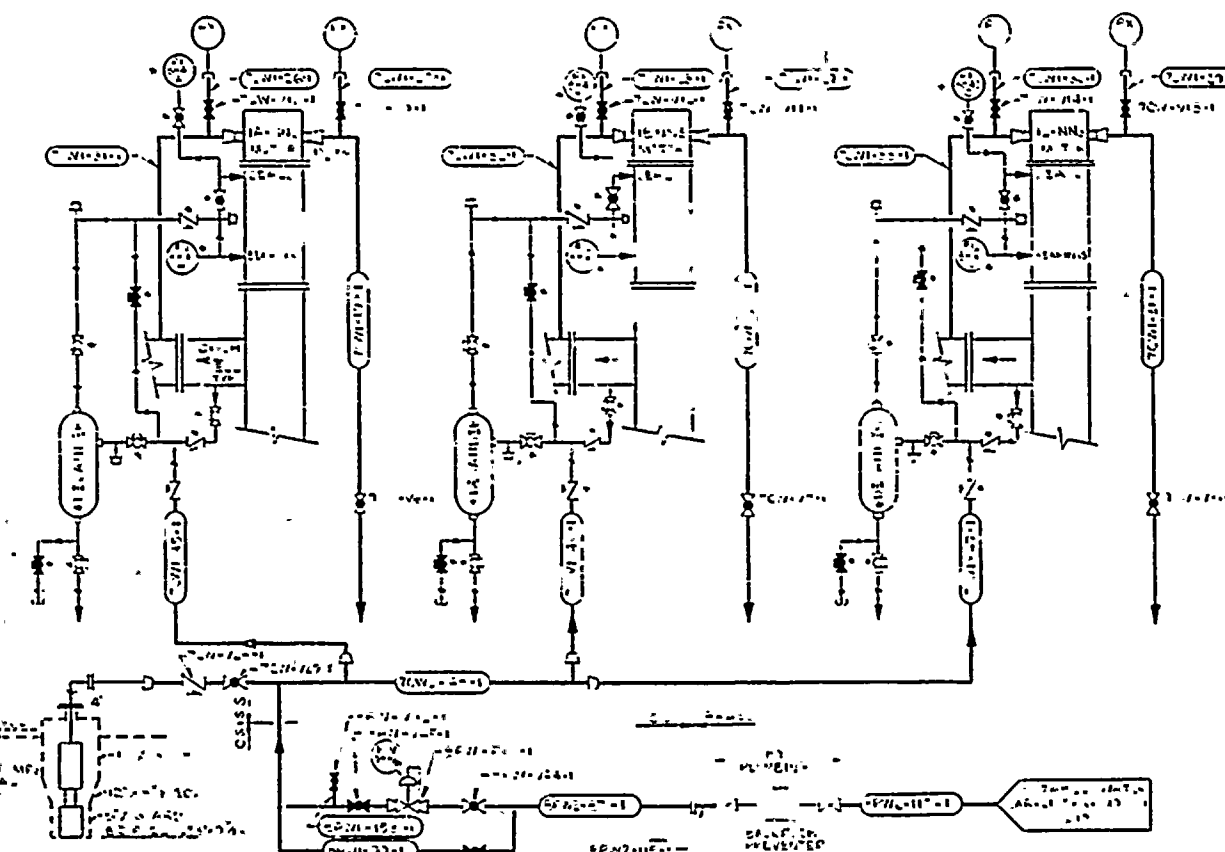
COOLING TOWER MAKE-UP PUMPS.



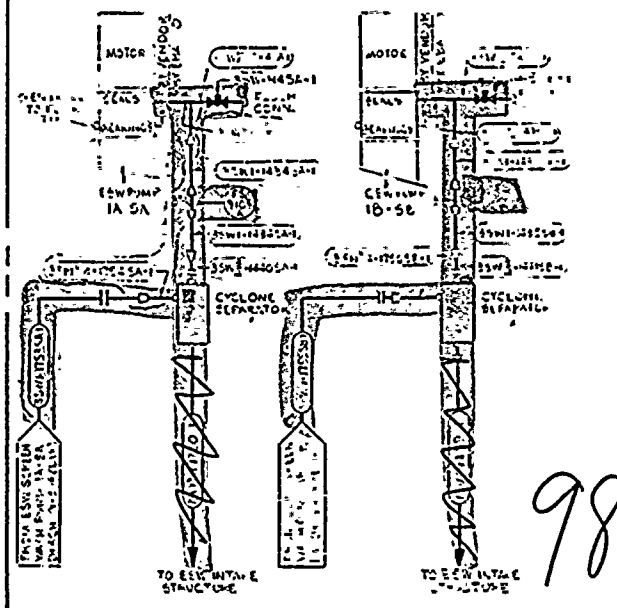
NORMAL SERVICE WATER PUMPS.

**ANSTEC
APERTURE
CARD**

Also Available on
Aperture Card



CIRCULATING WATER PUMPS



EMERGENCY SERVICE WATER PUMPS

NOTES:
IF DENOTES SUPPLIED BY EQUIPMENT VENDOR

**NUCLEAR SAFETY
RELATED IN PART ONLY**

REFERENCE DRAWINGS
VALVE AND SPECIALTY LIST CAR-1364-B-009
PIPING LINE LIST CAR-1364-B-070
INSTRUMENT LIST CAR-2166-B-432
FLOW DIAGRAM LEGEND CAR-1364-B-070

CAR-2165
G-436

9802030017-21

RECEIVED
5.10.96

NO.	DATE	REVISION	BY	CHK	APPROV.
23	11/11/83	REVISED TO REFLECT CHANGES TO THE PUMP MOTOR	...	...	...
22	11/11/83	REVISED TO REFLECT CHANGES TO THE PUMP MOTOR	...	...	...
21	11/11/83	REVISED TO REFLECT CHANGES TO THE PUMP MOTOR	...	...	...
20	11/11/83	REVISED TO REFLECT CHANGES TO THE PUMP MOTOR	...	...	...
19	11/11/83	REVISED TO REFLECT CHANGES TO THE PUMP MOTOR	...	...	...
18	11/11/83	REVISED TO REFLECT CHANGES TO THE PUMP MOTOR	...	...	...
17	11/11/83	REVISED TO REFLECT CHANGES TO THE PUMP MOTOR	...	...	...
16	11/11/83	REVISED TO REFLECT CHANGES TO THE PUMP MOTOR	...	...	...

APPROVED FOR CONSTRUCTION

THIS DOCUMENT IS DELIVERED IN ACCORDANCE WITH AND IS SUBJECT TO THE PROVISIONS OF SECTION 1 OF THE CONTRACT BETWEEN CAROLINA POWER & LIGHT COMPANY AND EBARCO SERVICES INCORPORATED DATED SEPTEMBER 3, 1983, AS AMENDED.

**CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT**

**FLOW DIAGRAM
INTAKE STRUCTURES PUMP SEAL,
BEARING LUBRICATION AND MOTOR COOLING
WATER SYSTEMS
UNIT 1**

EBASCO SERVICES INCORPORATED

SCALE: 1/2" = 1'-0"
DATE: 5-10-96
BY: [Signature]
CHECKED: [Signature]
APPROVED: [Signature]

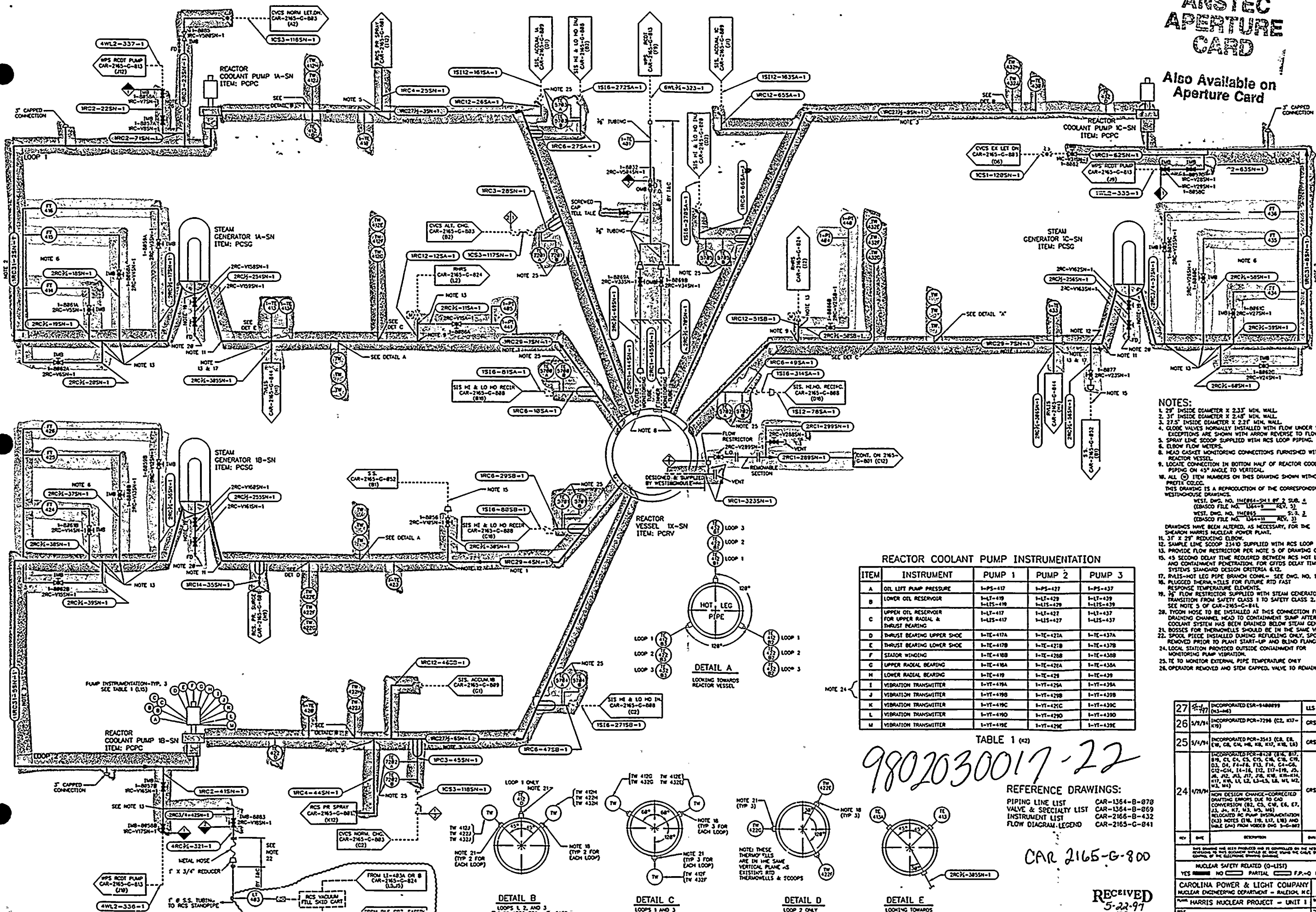
CAR-2165
G-436

1954
MAY 10 1954

RECEIVED
MAY 10 1954

ANSTEC APERTURE CARD

Also Available on Aperture Card



- NOTES:**
- 2.9"
 - 3.1" INSIDE DIAMETER X 2.48" MIN. WALL
 - 2.75" INSIDE DIAMETER X 2.2" MIN. WALL
 - CLOSE VALVES NORMALLY INSTALLED WITH FLOW UNDER SEAT. EXCEPTIONS ARE SHOWN WITH ARROW REVERSE TO FLOW DIRECTION.
 - SPRAY LINE SCOOP SUPPLIED WITH RCS LOOP PIPING.
 - ELBOW FLOW METERS.
 - HEAD CASSET MONITORING CONNECTIONS FURNISHED WITH REACTOR VESSEL.
 - LOCAL CONNECTION IN BOTTOM HALF OF REACTOR COOLANT PIPING ON 45° ANGLE TO VERTICAL.
 - ALL (O) ITEM NUMBERS ON THIS DRAWING SHOWN WITHOUT PREFIX CODE.
 - THIS DRAWING IS A REPRODUCTION OF THE CORRESPONDING WESTINGHOUSE DRAWING.
 - WEST. DWG. NO. 11484-S-11 OF 2 SUB. 1 (EASCO FILE NO. 1344-S REV. 3)
 - WEST. DWG. NO. 11484-S-11 OF 2 SUB. 2 (EASCO FILE NO. 1344-S REV. 3)
 - DRAWINGS HAVE BEEN ALTERED, AS NECESSARY, FOR THE SHEARON HARRIS NUCLEAR POWER PLANT.
 - 1.1" X 2.9" REDUCING ELBOW.
 - SAMPLE LINE SCOOP 23410 SUPPLIED WITH RCS LOOP PIPING.
 - PROVIDE FLOW RESTRICTOR PER NOTE 5 OF DRAWING CAR-2165-G-841
 - 4.5 SECOND DELAY TIME REQUIRED BETWEEN RCS HOT LEG CONNECTION AND CONTAINMENT PENETRATION FOR GFTOS DELAY TIME SEE SYSTEMS STANDARD DESIGN CRITERIA 6.12.
 - VALVE-HOT LEG PIPE BRANCH CONN. - SEE DWG. NO. 1344-52039
 - PLUGGED THERMOWELLS FOR FUTURE RTD FAST RESPONSE TEMPERATURE ELEMENTS.
 - 3/4" FLOW RESTRICTOR SUPPLIED WITH STEAM GENERATOR FOR TRANSITION FROM SAFETY CLASS 1 TO SAFETY CLASS 2. SEE NOTE 5 OF CAR-2165-G-841.
 - TWOON HOSE TO BE INSTALLED AT THIS CONNECTION AFTER REACTOR COOLANT SYSTEM HAS BEEN DRAINED BELOW STEAM GENERATOR NOZZLES.
 - BOSSSES FOR THERMOWELLS SHOULD BE IN THE SAME VERTICAL PLANE.
 - SPOOL PRICE INSTALLED DURING REFUELING ONLY. SPOOL PRICE TO BE REMOVED PRIOR TO PLANT START-UP AND BLIND FLANGES INSTALLED.
 - LOCAL STATION PROVIDED OUTSIDE CONTAINMENT FOR MONITORING PUMP VIBRATION.
 - TE TO MONITOR EXTERNAL PIPE TEMPERATURE ONLY
 - OPERATOR REMOVED AND STD CAPPED VALVE TO REMAIN CLOSED.

REACTOR COOLANT PUMP INSTRUMENTATION

ITEM	INSTRUMENT	PUMP 1	PUMP 2	PUMP 3
A	OIL LIFT PUMP PRESSURE	I-PS-417	I-PS-427	I-PS-437
B	LOWER OIL RESERVOIR	I-LT-479	I-LT-429	I-LT-439
C	UPPER OIL RESERVOIR FOR UPPER RADIAL & THRUST BEARING	I-LT-417	I-LT-427	I-LT-437
D	THRUST BEARING UPPER SHOE	I-TE-417A	I-TE-427A	I-TE-437A
E	THRUST BEARING LOWER SHOE	I-TE-417B	I-TE-427B	I-TE-437B
F	STATOR WINDING	I-TE-428	I-TE-428B	I-TE-438B
G	UPPER RADIAL BEARING	I-TE-418A	I-TE-428A	I-TE-438A
H	LOWER RADIAL BEARING	I-TE-419	I-TE-429	I-TE-439
I	VIBRATION TRANSMITTER	I-YT-418A	I-YT-428A	I-YT-438A
J	VIBRATION TRANSMITTER	I-YT-419B	I-YT-429B	I-YT-439B
K	VIBRATION TRANSMITTER	I-YT-419C	I-YT-429C	I-YT-439C
L	VIBRATION TRANSMITTER	I-YT-419D	I-YT-429D	I-YT-439D
M	VIBRATION TRANSMITTER	I-YT-419E	I-YT-429E	I-YT-439E

TABLE 1 (C2)

9802030017-22

REFERENCE DRAWINGS:
 PIPING LINE LIST CAR-1364-B-878
 VALVE & SPECIALTY LIST CAR-1364-B-869
 INSTRUMENT LIST CAR-2166-B-432
 FLOW DIAGRAM LEGEND CAR-2165-G-841

CAR 2165-G-800

RECEIVED 5-22-97

REV	DATE	DESCRIPTION	BY	CHK	APP	DATE
27	4/7/77	INCORPORATED ESR-9488899 (N3-M6)	LLS	CP	WJP	
26	5/9/74	INCORPORATED PCR-7796 (C2, K17-K19)	GRS	RPP	WJP	
25	5/14/74	INCORPORATED PCR-3543 (CR, ER, EW, CR, CH, ME, R2, K17, K18, L8)	GRS	LLS	WJP	
24	4/7/74	HOW DESIGN CHANGE-CORRECTED DRAWING ERRORS DUE TO CAD CONVERSION (82, CS, CR, ER, EY, J3, J4, R7, M2, M3, M5) RELOCATED RC PUMP INSTRUMENTATION (C2) NOTES (19, ER, L17, L18) AND WALK (M4) FROM WOODER DWG 3-G-882	GRS	RPP	WJP	

THIS DRAWING HAS BEEN PRODUCED AND IS CONTROLLED BY THE WESTINGHOUSE SYSTEMS AND CONTROL DIVISION. IT IS THE PROPERTY OF WESTINGHOUSE AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

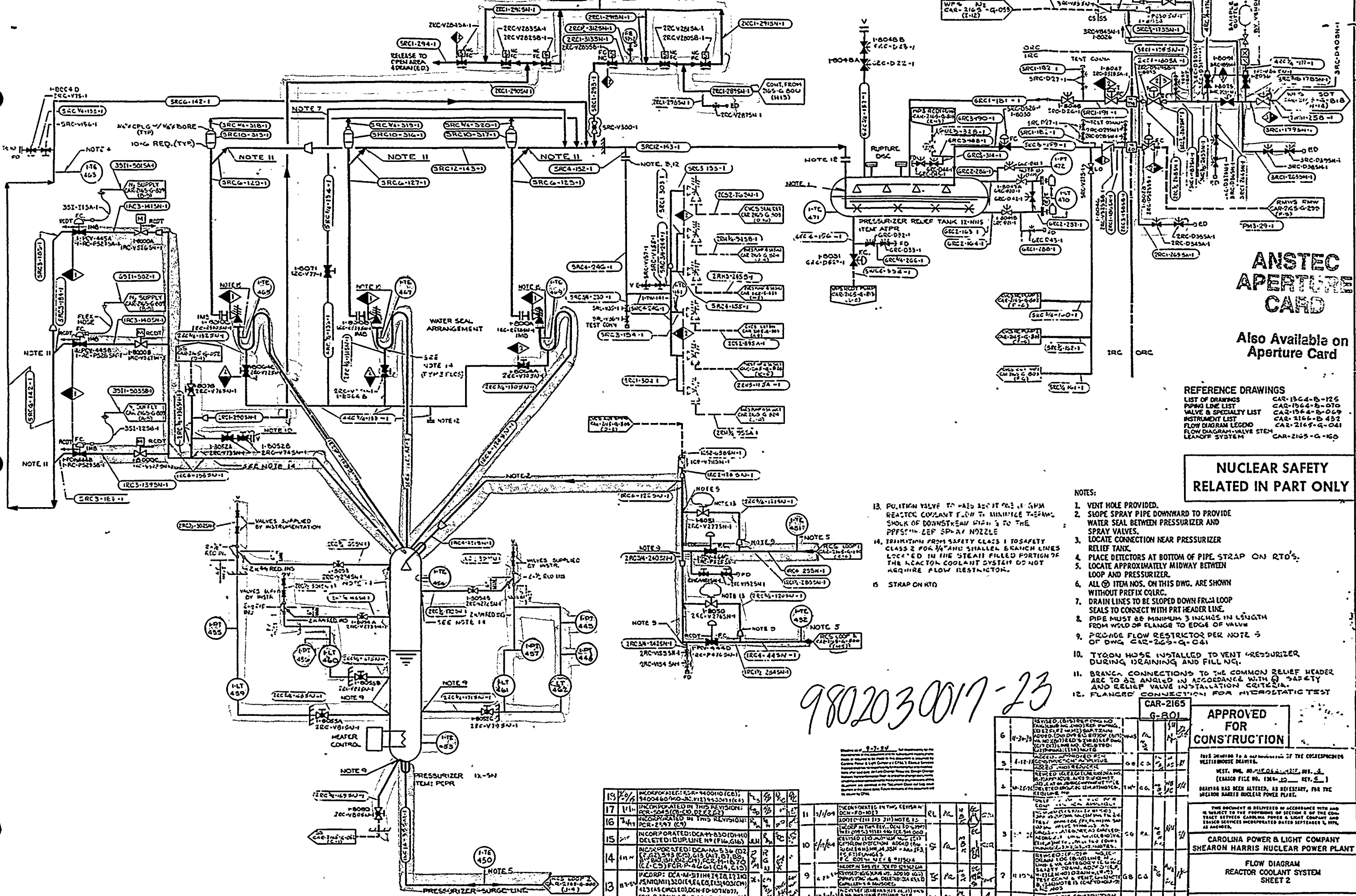
NUCLEAR SAFETY RELATED (O-LIST)
 YES NO PARTIAL F.P.-O R.W.-O

CAROLINA POWER & LIGHT COMPANY
 NUCLEAR ENGINEERING DEPARTMENT - RALEIGH, NC

HARRIS NUCLEAR PROJECT - UNIT 1

CP&L

100-100000-100000
100-100000-100000
100-100000-100000



9802030017-23

NO.	DATE	DESCRIPTION	BY	CHKD	APPD
12	10-28-73	INCORPORATED IN THIS REVISION: REVISION 1, CAR-1364-B-070, 8/16/73 (REV. 1)	[Signature]	[Signature]	[Signature]
13	11-17-73	INCORPORATED IN THIS REVISION: REVISION 2, CAR-1364-B-070, 11/17/73 (REV. 2)	[Signature]	[Signature]	[Signature]
14	11-17-73	INCORPORATED IN THIS REVISION: REVISION 3, CAR-1364-B-070, 11/17/73 (REV. 3)	[Signature]	[Signature]	[Signature]
15	11-17-73	INCORPORATED IN THIS REVISION: REVISION 4, CAR-1364-B-070, 11/17/73 (REV. 4)	[Signature]	[Signature]	[Signature]
16	11-17-73	INCORPORATED IN THIS REVISION: REVISION 5, CAR-1364-B-070, 11/17/73 (REV. 5)	[Signature]	[Signature]	[Signature]
17	11-17-73	INCORPORATED IN THIS REVISION: REVISION 6, CAR-1364-B-070, 11/17/73 (REV. 6)	[Signature]	[Signature]	[Signature]
18	11-17-73	INCORPORATED IN THIS REVISION: REVISION 7, CAR-1364-B-070, 11/17/73 (REV. 7)	[Signature]	[Signature]	[Signature]

NO.	DATE	DESCRIPTION	BY	CHKD	APPD
1	9-21-73	RELEASED FOR CONSTRUCTION PER CHECK LETTER ON 3/31/73	[Signature]	[Signature]	[Signature]
2	11-15-73	ADDED TO THE LINE AND WELD SYMBOLS TO THE PRT CONN. W/ P. 2-115-1	[Signature]	[Signature]	[Signature]
3	1-11-74	REVISION 1 TO THE PRT CONN. W/ P. 2-115-1	[Signature]	[Signature]	[Signature]
4	11-17-73	REVISION 2 TO THE PRT CONN. W/ P. 2-115-1	[Signature]	[Signature]	[Signature]
5	1-11-74	REVISION 3 TO THE PRT CONN. W/ P. 2-115-1	[Signature]	[Signature]	[Signature]
6	4-30-74	REVISION 4 TO THE PRT CONN. W/ P. 2-115-1	[Signature]	[Signature]	[Signature]

CAR-2165 G-801

APPROVED FOR CONSTRUCTION

THIS DRAWING IS A PART OF THE CORRESPONDING WESTINGHOUSE DRAWING.

WEST. FILE NO. [] REV. []

THIS DOCUMENT IS BELIEVED IN ACCORDANCE WITH AND IN SUBJECT TO THE PROVISIONS OF SECTION 8 OF THE CONTRACT BETWEEN CAROLINA POWER & LIGHT COMPANY AND EBASCO SERVICES INCORPORATED DATED SEPTEMBER 1, 1974, AS AMENDED.

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM
REACTOR COOLANT SYSTEM
SHEET 2

EBASCO SERVICES INCORPORATED

SCALE NONE APPROVED DATE 7-6-73
BY MECH CAD 7145

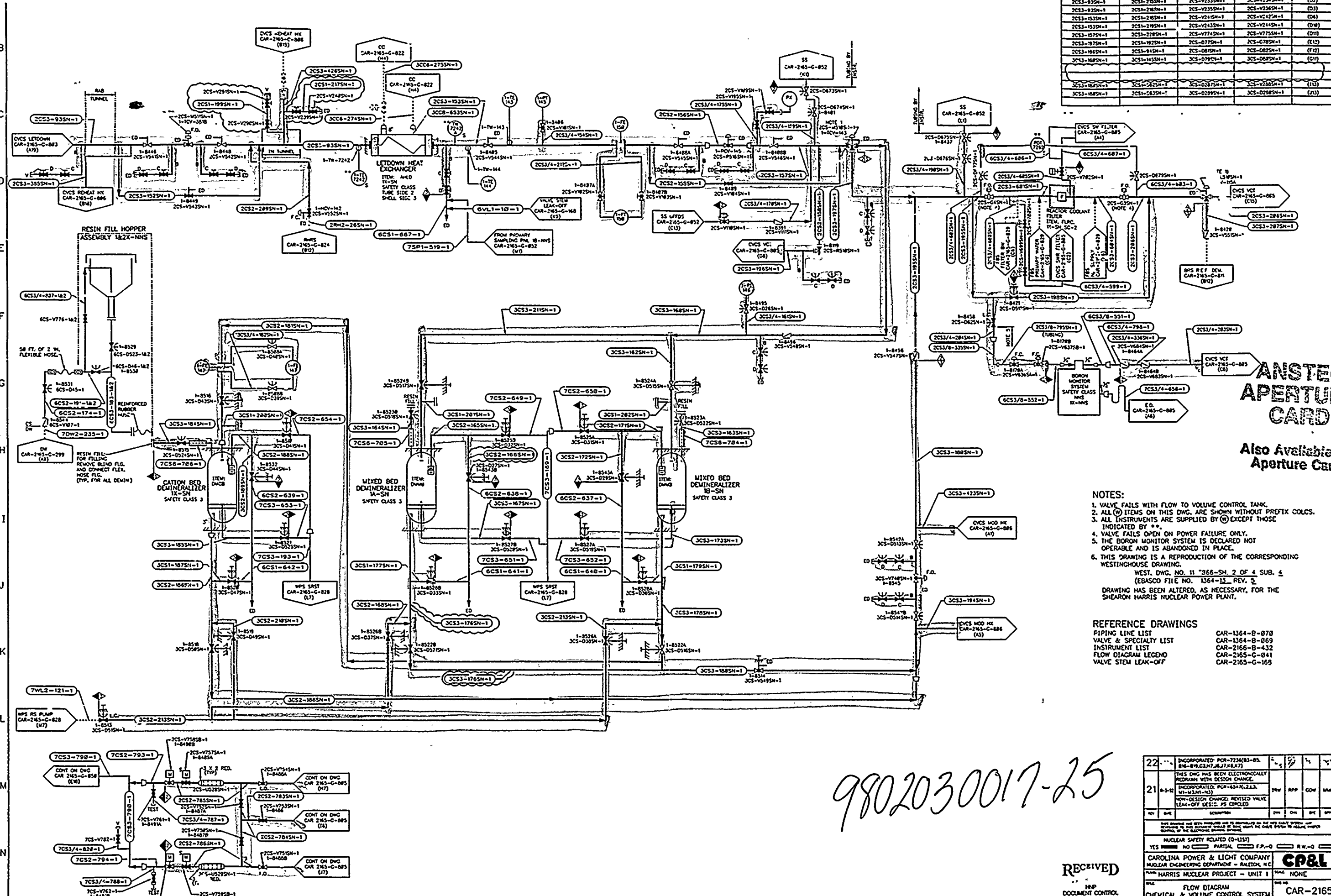
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9-28-75

001301A
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ALBANY
ALBANY
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VALVE OF LINE NO. IN PARALLEL

HEADER LINE NO.	LINE NO.	VALVE NO. (S/N)	VALVE NO. (S/N)	LOCATION
2CS3-93SN-1	2CS1-215SN-1	2CS-V215SN-1	2CS-V215SN-1	(10)
2CS3-93SN-1	2CS1-215SN-1	2CS-V233SN-1	2CS-V233SN-1	(10)
2CS3-93SN-1	2CS1-215SN-1	2CS-V233SN-1	2CS-V233SN-1	(10)
2CS3-153SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-153SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-157SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-157SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-157SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)
2CS3-196SN-1	2CS1-215SN-1	2CS-V242SN-1	2CS-V242SN-1	(10)

ANSTEC
APERTURE
CARD

Also Available in
Aperture Card

- NOTES:
- VALVE FAILS WITH FLOW TO VOLUME CONTROL TANK.
 - ALL (M) ITEMS ON THIS DWG. ARE SHOWN WITHOUT PREFIX COUCS.
 - ALL INSTRUMENTS ARE SUPPLIED BY (C) EXCEPT THOSE INDICATED BY (P).
 - VALVE FAILS OPEN ON POWER FAILURE ONLY.
 - THE BORON MONITOR SYSTEM IS DECLARED NOT OPERABLE AND IS ABANDONED IN PLACE.
 - THIS DRAWING IS A REPRODUCTION OF THE CORRESPONDING WESTINGHOUSE DRAWING.
- WEST. DWG. NO. 11 366-SH. 2 OF 4 SUB. 4
(EBASCO FILE NO. 1364-12, REV. 2
DRAWING HAS BEEN ALTERED, AS NECESSARY, FOR THE SHEARON HARRIS NUCLEAR POWER PLANT.

- REFERENCE DRAWINGS
- | | |
|------------------------|----------------|
| PIPING LINE LIST | CAR-1364-B-070 |
| VALVE & SPECIALTY LIST | CAR-1364-B-069 |
| INSTRUMENT LIST | CAR-2166-B-432 |
| FLOW DIAGRAM LEGEND | CAR-2165-G-041 |
| VALVE STEM LEAK-OFF | CAR-2165-G-168 |

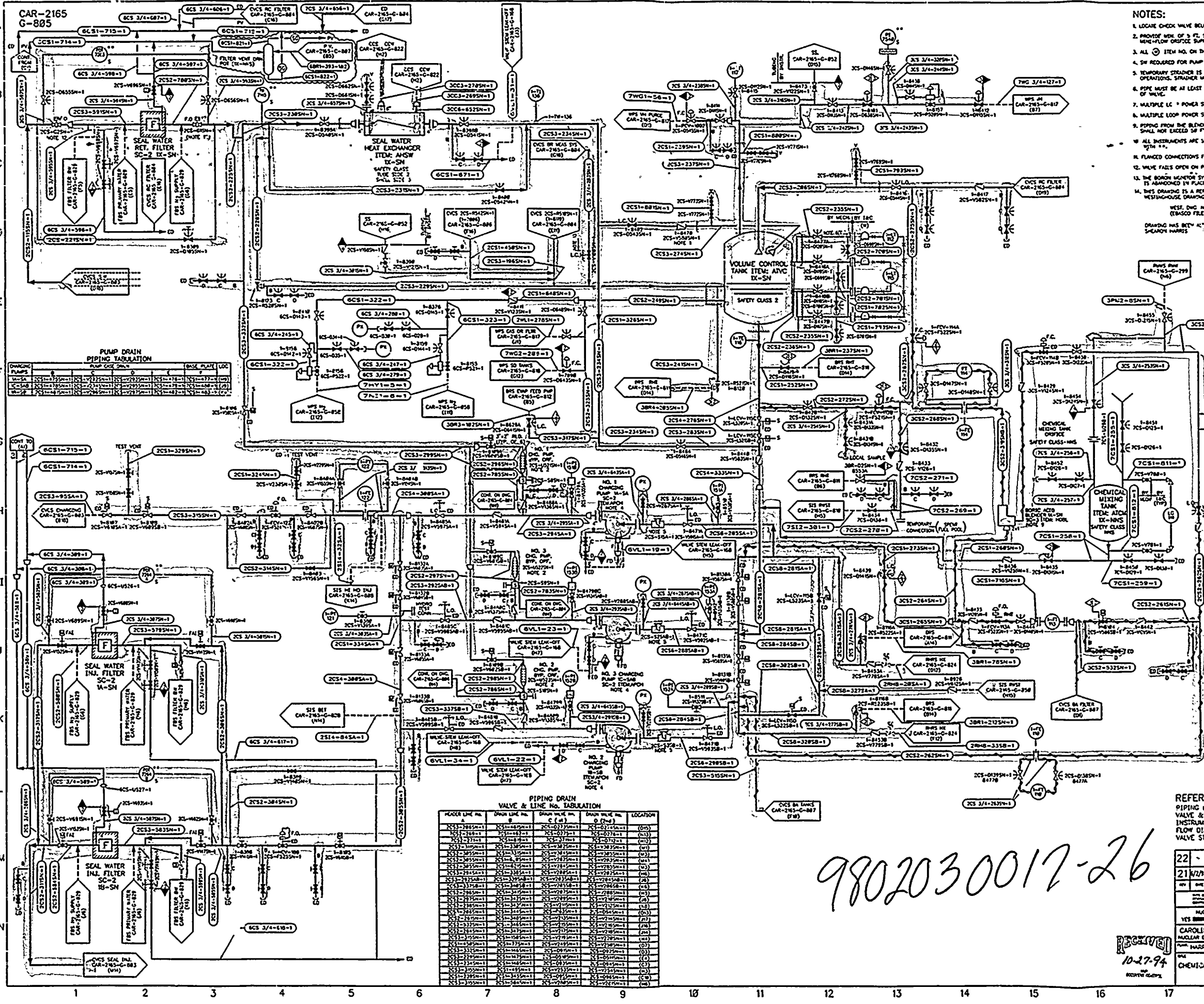
22	INCORPORATED PCB-7234(83-85, 876-879, 8327, 837, 86, 87)			
21	THIS DWG HAS BEEN ELECTRONICALLY REPRODUCED WITH DESIGN CHANGE INCORPORATED PCB-4547(2,2,2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)	REV	APP	CHK
<p>NOTES:</p> <p>ALL INSTRUMENTS AND/OR RECORDERS ARE TO BE ORDERED BY THE INSTRUMENT SUPPLIER IN ACCORDANCE WITH THE INSTRUMENT LIST ATTACHED TO THIS DRAWING.</p> <p>REVISIONS:</p> <p>NO. DATE DESCRIPTION BY</p> <p>1. 08/15/83</p> <p>2. 08/15/83</p>				
<p>NUCLEAR SAFETY RELATED (0-LIST)</p> <p>YES [] NO [] PARTIAL [] P.F. [] R.W. []</p> <p>CAROLINA POWER & LIGHT COMPANY NUCLEAR ENGINEERING DEPARTMENT - RALEIGH, NC HARRIS NUCLEAR PROJECT - UNIT 1 NONE</p> <p>CP&L FLOW DIAGRAM CHEMICAL & VOLUME CONTROL SYSTEM</p>				

RECEIVED
DOCUMENT CONTROL

9802030017-25

10-10-1944

10-10-1944



- NOTES:**
1. LOCATE CHECK VALVE BELOW VCL.
 2. PROVIDE MIN. OF 3 FT. STRAIGHT RUN AFTER MINI-FLOW ORIFICE. MINI-FLOW ORIFICE SUPPLIED BY PUMP MANUFACTURER.
 3. ALL ITEM NO. ON THIS DWG. ARE SHOWN WITHOUT PREFIX CODES.
 4. SH REQUIRED FOR PUMP OIL COOLERS.
 5. TEMPORARY STRADDLER IS PLACED IN TEST DURING INITIAL FLUSHING OPERATIONS. STRADDLER MUST BE REMOVED BEFORE PLANT START-UP.
 6. PIPE MUST BE AT LEAST 1' LONG FROM WELD OF FLG. TO EDGE OF VALVE.
 7. MULTIPLE LC = POWER SUPPLY (CABINET WTD) NOT SHOWN.
 8. MULTIPLE LOOP POWER SUPPLY (CONTROL BOARD WTD) NOT SHOWN.
 9. PIPING FROM THE BLENDER TO THE CHARGING PUMP PLATION HEADER SHALL NOT EXCEED 50 FT. IN TOTAL LENGTH.
 10. ALL INSTRUMENTS ARE SUPPLIED BY ⊙ EXCEPT THOSE INDICATED WITH ⊖.
 11. FLANGED CONNECTIONS FOR HYDROSTATIC TEST.
 12. VALVE FAILS OPEN ON POWER FAILURE ONLY.
 13. THE BURNER MONITOR SYSTEM IS DECLARED NOT OPERABLE AND IS ABANDONED IN PLACE.
 14. THIS DRAWING IS A REPRODUCTION OF THE CORRESPONDING WESTINGHOUSE DRAWING.
- WEST DWG NO. 44-100-10-1 OF A SUB. 4 (EASCO FILE NO. 44-100-10-1)
DRAWING HAS BEEN ALTERED AS NECESSARY FOR THE SEARCHER'S PURPOSES.

PUMP DRAIN PIPING TABULATION

CHARGING PUMP	BASE PLATE LOC.
1	(01)
2	(02)
3	(03)
4	(04)
5	(05)
6	(06)
7	(07)
8	(08)
9	(09)
10	(10)
11	(11)
12	(12)
13	(13)
14	(14)
15	(15)
16	(16)
17	(17)
18	(18)
19	(19)
20	(20)
21	(21)
22	(22)

PIPING DRAIN VALVE & LINE NO. TABULATION

HEADER LINE NO.	DRAIN LINE NO.	DRAIN VALVE NO. (V)	DRAIN LINE NO. (L)	LOCATION
2CS1-285SN-1	2CS1-285SN-1	2CS1-027SN-1	2CS1-027SN-1	(01)
2CS2-285SN-1	2CS2-285SN-1	2CS2-027SN-1	2CS2-027SN-1	(02)
2CS3-285SN-1	2CS3-285SN-1	2CS3-027SN-1	2CS3-027SN-1	(03)
2CS4-285SN-1	2CS4-285SN-1	2CS4-027SN-1	2CS4-027SN-1	(04)
2CS5-285SN-1	2CS5-285SN-1	2CS5-027SN-1	2CS5-027SN-1	(05)
2CS6-285SN-1	2CS6-285SN-1	2CS6-027SN-1	2CS6-027SN-1	(06)
2CS7-285SN-1	2CS7-285SN-1	2CS7-027SN-1	2CS7-027SN-1	(07)
2CS8-285SN-1	2CS8-285SN-1	2CS8-027SN-1	2CS8-027SN-1	(08)
2CS9-285SN-1	2CS9-285SN-1	2CS9-027SN-1	2CS9-027SN-1	(09)
2CS10-285SN-1	2CS10-285SN-1	2CS10-027SN-1	2CS10-027SN-1	(10)
2CS11-285SN-1	2CS11-285SN-1	2CS11-027SN-1	2CS11-027SN-1	(11)
2CS12-285SN-1	2CS12-285SN-1	2CS12-027SN-1	2CS12-027SN-1	(12)
2CS13-285SN-1	2CS13-285SN-1	2CS13-027SN-1	2CS13-027SN-1	(13)
2CS14-285SN-1	2CS14-285SN-1	2CS14-027SN-1	2CS14-027SN-1	(14)
2CS15-285SN-1	2CS15-285SN-1	2CS15-027SN-1	2CS15-027SN-1	(15)
2CS16-285SN-1	2CS16-285SN-1	2CS16-027SN-1	2CS16-027SN-1	(16)
2CS17-285SN-1	2CS17-285SN-1	2CS17-027SN-1	2CS17-027SN-1	(17)
2CS18-285SN-1	2CS18-285SN-1	2CS18-027SN-1	2CS18-027SN-1	(18)
2CS19-285SN-1	2CS19-285SN-1	2CS19-027SN-1	2CS19-027SN-1	(19)
2CS20-285SN-1	2CS20-285SN-1	2CS20-027SN-1	2CS20-027SN-1	(20)
2CS21-285SN-1	2CS21-285SN-1	2CS21-027SN-1	2CS21-027SN-1	(21)
2CS22-285SN-1	2CS22-285SN-1	2CS22-027SN-1	2CS22-027SN-1	(22)

ANSTEC APERTUR CARD

Also Available as Aperture Card

9802030017-26

REFERENCE DRAWINGS

PIPING LINE LIST CAR-1364-B-070
 VALVE & SPECIALTY LIST CAR-1364-B-069
 INSTRUMENT LIST CAR-2165-B-432
 FLOW DIAGRAM LEGEND CAR-2165-C-041
 VALVE STEM LEAK-OFF CAR-2165-C-065

22 - INCORPORATED PER-45H (AS-AS)

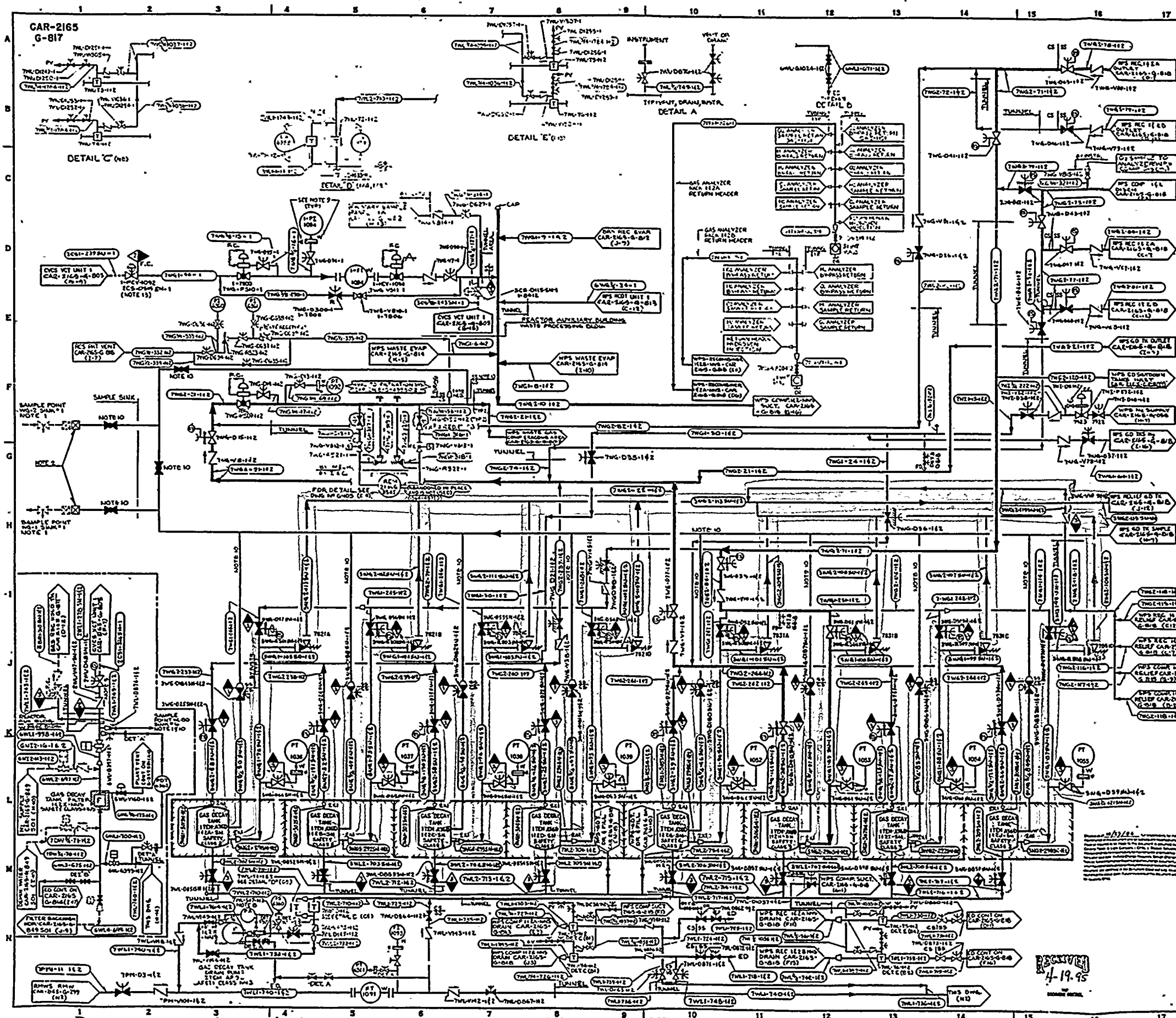
21 1/2 - THIS DWG. HAS BEEN ALTERNATELY RECORDED WITHOUT DESIGN CHANGE.

RECEIVED 10-27-94

CP&L
 CAROLINA POWER & LIGHT COMPANY
 NUCLEAR ENGINEERING DEPARTMENT - RALEIGH, N.C.
 HARRIS NUCLEAR PROJECT - UNIT 1
 NONE

FLOW DIAGRAM
 CHEMICAL & VOLUME CONTROL SYSTEM
 UNIT 1
 CAR-2165
 G-0805

1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960



NOTES:
1. SEE DWG. CAR-2165-G-817 FOR WASTE PROCESSING SAMPLING SYSTEM.
2. QUICK CONNECT COUPLERS PIPED TO RECEIVE PLANT GAS SAMPLING WAREHOUSE.
3. LOCATED UNDER WAREHOUSE & VALVE 48592 NEAR D-200 VOLUME CONTROL TANK IN REACTOR AUXILIARY BUILDING.
4. ALL Q AND QV DWGS SHOWN WITHOUT PREMISE COLUMN.
5. FOR LIST OF REFERENCE DRAWINGS SEE DWG. CAR-2165-G-817.
6. TEMPORARY STRAINER FOR INITIAL FLUSHING - REMOVE BEFORE START-UP.
7. INSTRUMENTS SUPPLIED BY WASTEWATERHOUSE.
8. 10" TUBING - MAT WITH 1" ANCHORS AND LOW GLOSS TUBING VALVES BY WASTEWATERHOUSE.
9. GAS SAMPLE ANALYZER, FLOW DIAGRAM SEE DWG. 1304-4113-1-2 & 1-3.
10. VALVE IPCV-4026 TRIPS CLOSED ON LOW PRESSURE SIGNAL FROM IFCV-1117.
11. POSITION VALVE TO LIMIT PUMP RUNOUT.
12. TOP SEAL IN GAS TRAP SECTION LINE.

REVISION HISTORY TABLE

NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	12/11/74
2	INCORPORATED PER: 1304-4113-1-2 (2/3)	1/15/75
3	INCORPORATED PER: 1304-4113-1-3 (2/3)	1/15/75
4	INCORPORATED PER: 1304-4113-1-4 (2/3)	1/15/75
5	INCORPORATED PER: 1304-4113-1-5 (2/3)	1/15/75
6	INCORPORATED PER: 1304-4113-1-6 (2/3)	1/15/75
7	INCORPORATED PER: 1304-4113-1-7 (2/3)	1/15/75
8	INCORPORATED PER: 1304-4113-1-8 (2/3)	1/15/75
9	INCORPORATED PER: 1304-4113-1-9 (2/3)	1/15/75
10	INCORPORATED PER: 1304-4113-1-10 (2/3)	1/15/75
11	INCORPORATED PER: 1304-4113-1-11 (2/3)	1/15/75
12	INCORPORATED PER: 1304-4113-1-12 (2/3)	1/15/75
13	INCORPORATED PER: 1304-4113-1-13 (2/3)	1/15/75
14	INCORPORATED PER: 1304-4113-1-14 (2/3)	1/15/75
15	INCORPORATED PER: 1304-4113-1-15 (2/3)	1/15/75
16	INCORPORATED PER: 1304-4113-1-16 (2/3)	1/15/75
17	INCORPORATED PER: 1304-4113-1-17 (2/3)	1/15/75
18	INCORPORATED PER: 1304-4113-1-18 (2/3)	1/15/75
19	INCORPORATED PER: 1304-4113-1-19 (2/3)	1/15/75
20	INCORPORATED PER: 1304-4113-1-20 (2/3)	1/15/75
21	INCORPORATED PER: 1304-4113-1-21 (2/3)	1/15/75
22	INCORPORATED PER: 1304-4113-1-22 (2/3)	1/15/75
23	INCORPORATED PER: 1304-4113-1-23 (2/3)	1/15/75
24	INCORPORATED PER: 1304-4113-1-24 (2/3)	1/15/75
25	INCORPORATED PER: 1304-4113-1-25 (2/3)	1/15/75

REFERENCE DRAWINGS
LIST OF DRAWINGS CAR-2165-G-817
VOLUME AND SPECIALTY LIST CAR-2165-G-817
PIPING LINE LIST CAR-2165-G-817
INSTRUMENT LIST CAR-2165-G-817
FLOW DIAGRAM LEGEND CAR-2165-G-817
FLOW DIAGRAM WAREHOUSE CAR-2165-G-817

NUCLEAR SAFETY RELATED IN PART ONLY

APPROVED FOR CONSTRUCTION CAR-2165 G-817

THIS DRAWING IS A REPRODUCTION OF THE CORRESPONDING WAREHOUSE DRAWING.

NEXT DWG. NO. **1304-4113-1-25** (2/3) (EASCO FILE NO. 1304-4113-1-25) (REV. 2)

REVISIONS HAS BEEN ALTERED, AS NECESSARY, FOR THE REASON GIVEN IN REVISIONS PLAN.

THIS DOCUMENT IS UNCLASSIFIED AND IS NOT SUBJECT TO THE PROHIBITION OF SECTION 1.6 OF EXECUTIVE ORDER 12958, WHICH APPLIES TO INFORMATION THAT IS SPECIFICALLY IDENTIFIED AS BEING UNCLASSIFIED AND NOT FOR PUBLIC RELEASE.

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM
WASTE PROCESSING SYSTEM
GAS DECAY STORAGE
UNIT I

ERASCO SERVICES INCORPORATED

SCALE NONE
DATE 1/15/75
BY J.P.S.
CHECKED G.S.
APPROVED J.P.S.

CAR-2165
G-817

ANSTEC APERTURE CARD

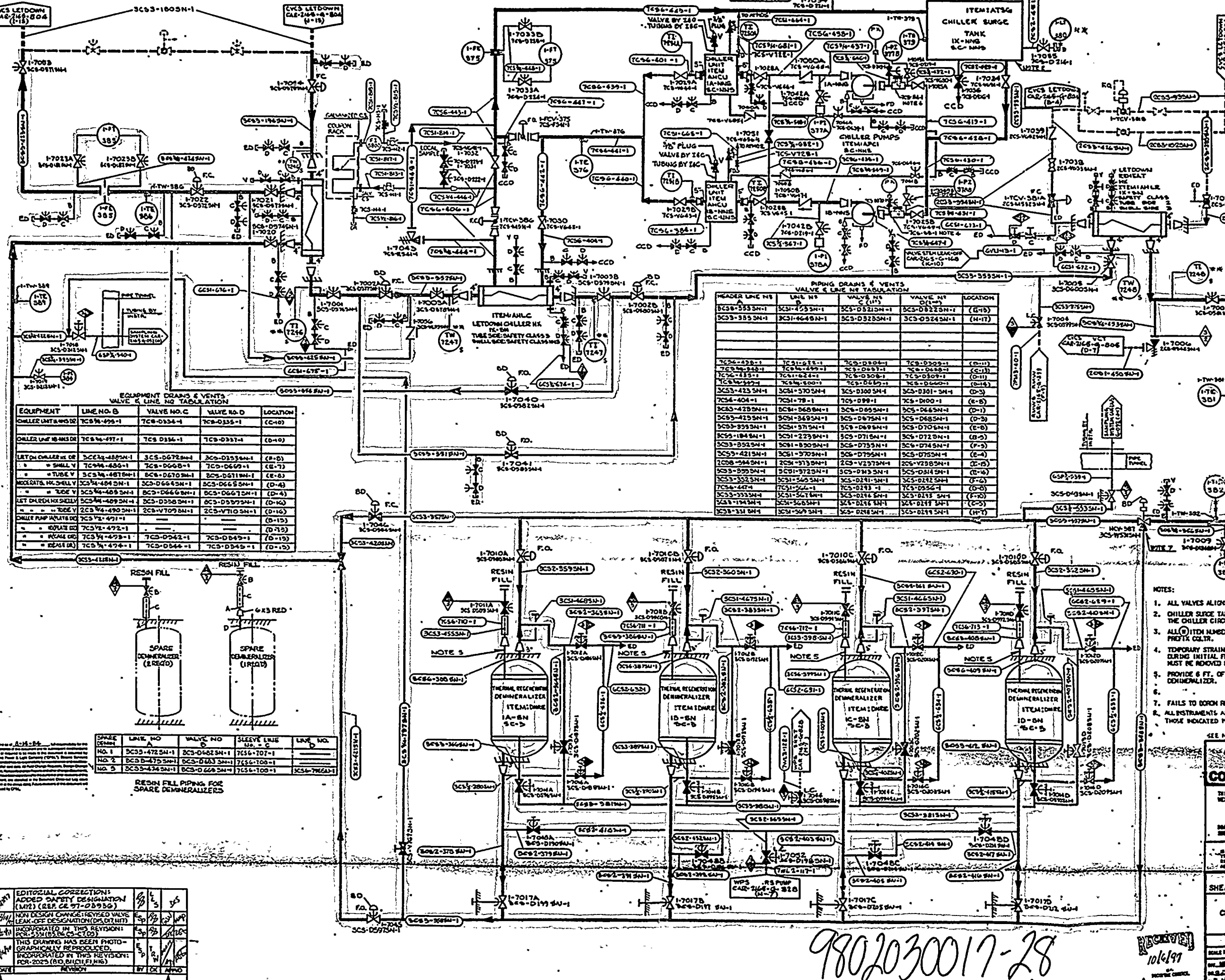
Also Available on Aperture Card

9802030017-27

SECRET

100-100000

SECRET

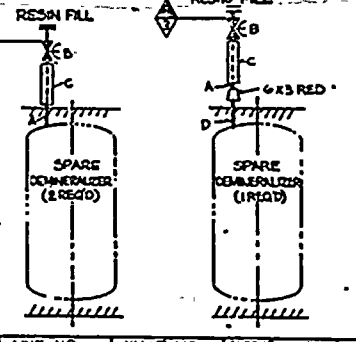


EQUIPMENT DRAINS & VENTS VALVE & LINE NO TABULATION

EQUIPMENT	LINE NO. B	VALVE NO. C	VALVE NO. D	LOCATION
CHILLER UNIT A/B/C/D	TCB-495-1	TCB-0354-1	TCB-0355-1	(C-10)
CHILLER UNIT E/F/G/H	TCB-497-1	TCB-0354-1	TCB-0355-1	(C-10)
LETDOWN CHILLER HE	SCS-1448-1	SCS-0672-1	SCS-0355-1	(B-3)
SMALL V	TCB-488-1	TCB-0668-1	TCB-0669-1	(E-7)
TUBE V	SCS-487-1	SCS-0670-1	SCS-0671-1	(E-8)
MIDDLE V	SCS-484-1	SCS-0668-1	SCS-0669-1	(D-4)
TUBE V	SCS-485-1	SCS-0668-1	SCS-0669-1	(D-4)
LETDOWN CHILLER HE	SCS-489-1	SCS-0670-1	SCS-0671-1	(D-4)
TUBE V	TCB-490-1	TCB-0709-1	TCB-0710-1	(D-12)
CHILLER PUMP A/B/C/D	TCB-491-1	TCB-0709-1	TCB-0710-1	(D-12)
CHILLER PUMP E/F/G/H	TCB-492-1	TCB-0709-1	TCB-0710-1	(D-12)
CHILLER PUMP I/J/K/L	TCB-493-1	TCB-0709-1	TCB-0710-1	(D-12)
CHILLER PUMP M/N/O/P	TCB-494-1	TCB-0709-1	TCB-0710-1	(D-12)

PIPING CRANS & VENTS VALVE & LINE NO TABULATION

HEADER LINE NO	LINE NO	VALVE NO	VALVE NO	LOCATION
SCS-353-1	SCS-455-1	SCS-0321-1	SCS-0322-1	(E-7)
SCS-353-1	SCS-468-1	SCS-0322-1	SCS-0323-1	(H-17)
TCB-498-1	TCB-688-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-689-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-690-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-691-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-692-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-693-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-694-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-695-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-696-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-697-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-698-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-699-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-700-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-701-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-702-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-703-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-704-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-705-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-706-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-707-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-708-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-709-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-710-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-711-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-712-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-713-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-714-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-715-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-716-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-717-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-718-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-719-1	TCB-0804-1	TCB-0805-1	(D-11)
TCB-498-1	TCB-720-1	TCB-0804-1	TCB-0805-1	(D-11)



SPARE DEMIN	LINE NO	VALVE NO	SLEEVE LINE NO	LINE NO
NO. 1	SCS-472-1	SCS-0482-1	TCB-107-1	
NO. 2	SCS-473-1	SCS-0483-1	TCB-108-1	
NO. 3	SCS-474-1	SCS-0484-1	TCB-109-1	

ANSTEC APERTURE CARD

Also Available on Aperture Card

REFERENCE DRAWINGS

- LIST OF DRAWINGS - CAR-1541-B-125
- PIPING LINE LIST - CAR-1544-B-070
- VALVE & SPECIALTY LIST - CAR-1544-B-050
- INSTRUMENT LIST - CAR-1544-B-030
- FLOW DIAGRAM LEGEND - CAR-1544-B-020
- VALVE SYMBOLS - CAR-1544-B-010

NUCLEAR SAFETY RELATED

- NOTES:
1. ALL VALVES ALIGNED FOR BORN REMOVAL (DILUTION).
 2. CHILLER SURGE TANK MUST BE THE HIGH POINT IN THE CHILLER CIRCUIT.
 3. ALL I/TCH NUMBERS ON THIS DIAG. ARE SHOWN WITHOUT PREFIX COLR.
 4. TEMPORARY STRAINER IS PLACED IN TEE DURING INITIAL FLUSHING OPERATIONS. STRAINER MUST BE REMOVED BEFORE PLANT START-UP.
 5. PROVIDE 6 FT. OF 6 INCH PIPE BETWEEN REDUCER AND DEMINERALIZER.
 - 6.
 7. FAILS TO BORN RELEASE (BORATION) POSITION.
 8. ALL INSTRUMENTS ARE SUPPLIED BY (C) EXCEPT THOSE INDICATED WITH (R).

APPROVED FOR CONSTRUCTION

CAROLINA POWER & LIGHT COMPANY SHEARON HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM CHEMICAL & VOLUME CONTROL SYSTEM SHEET 4

ESABCO SERVICES INCORPORATED

SCALE: NONE

DATE: 10/6/99

CAR-2165 G-808

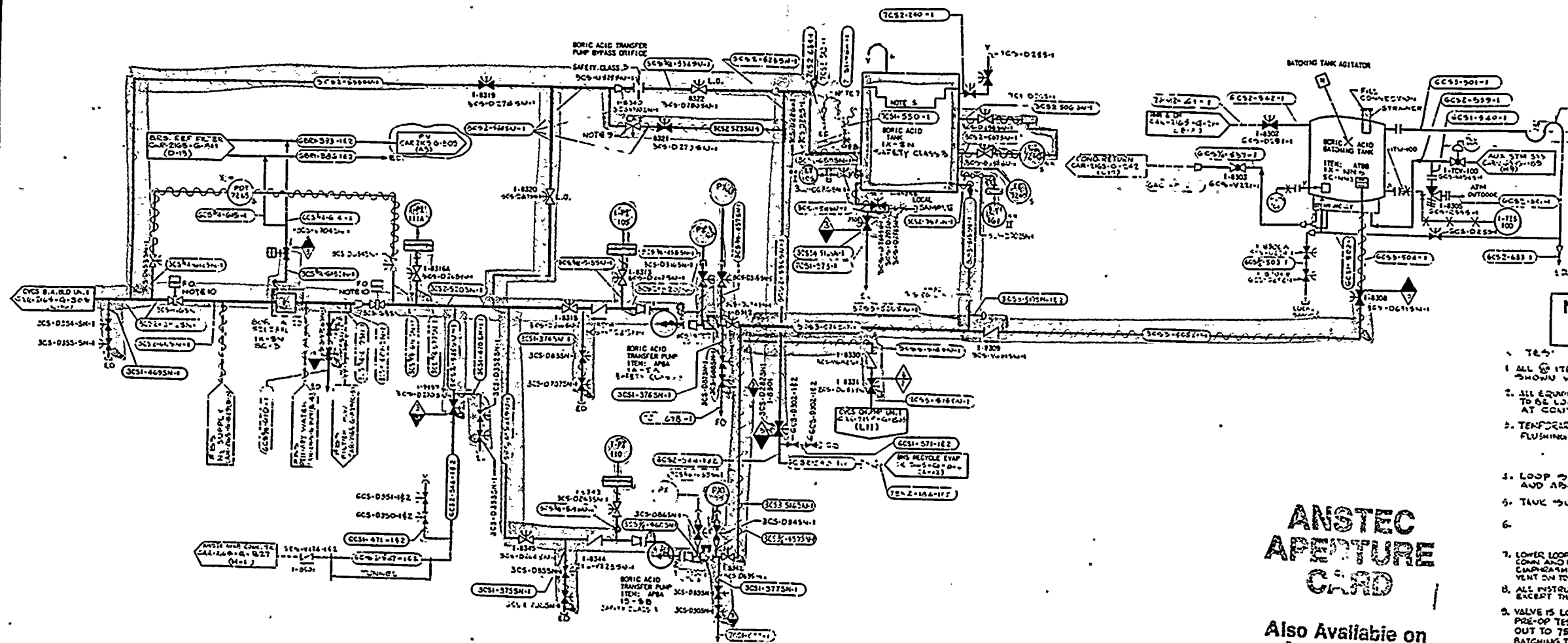
EDITORIAL CORRECTIONS

NO.	DATE	REVISION	BY	CHK	APP
18	1/18/99	ADDED SAFETY DESIGNATION (MTR) (REF. CAR 97-0932)			
17	1/17/99	NOTICED CHANGE IN VALVE LEAKAGE DESIGNATION (D7 H1)			
16	1/16/99	INCORPORATED IN THIS REVISION: (D7 H1) (D7 H2) (D7 H3) (D7 H4) (D7 H5) (D7 H6) (D7 H7) (D7 H8) (D7 H9) (D7 H10) (D7 H11) (D7 H12) (D7 H13) (D7 H14) (D7 H15) (D7 H16) (D7 H17) (D7 H18) (D7 H19) (D7 H20)			
15	1/15/99	THIS DRAWING HAS BEEN PHOTO-GRAPHICALLY REPRODUCED. INCORPORATED IN THIS REVISION: FOR-2025 (RD, BNC, FIM, G)			
14	1/14/99	REVISION			

9802030017-28

APR 1964

Abraham Lincoln



NUCLEAR SAFETY RELATED

1. ALL ITEM NO. ON THIS DRAWING SHOWN WITHOUT GREEN COLO.
2. ALL EQUIPMENT AND PIPING SHOWN TO BE LOCATED IN AREA MAINTAINED AT CONTROLLED TEMPERATURE.
3. TEMPORARY STRAINER FOR INITIAL FLUSHING REMOVE BEFORE START-UP.
4. LOOP DESIGNED TO EXTEND 12 FEET BELOW AND ABOVE PIPE JOINT ELUVA-JON.
5. TANK SUPPLIED WITH DIAPHRAGM.
- 6.
7. LOWER LOOP TO EXTEND 12 FEET BELOW OVERFLOW CONN. AND UPPER LOOP 12 FEET BELOW DIAPHRAGM FLG. LOCATE SYPHON BREAK VENT ON TOP OF UPPER LOOP.
8. ALL INSTRUMENTS ARE SUPPLIED BY (C) EXCEPT THOSE INDICATED WITH (M).
9. VALVE IS LOCKED INTO POSITION DURING POST-OP TESTING TO LIMIT PUMP RUN-OUT TO 75 G.P.M. WHEN TRANSFERRING BATCHING TANK CONTENTS TO THE BORIC ACID TANK.
10. VALVE FAILS OPEN ON POWER FAILURE ONLY.

ANSTEC APERTURE CARD

Also Available on Aperture Card

9802030017-29

16	INCORPORATED: PFC-6211 (B-65)				
15	NO REVISIONS IN THIS REV.				
14	INCORPORATED IN THIS REV.				
13	INCORPORATED IN THIS REVISION (D-2) (D-3) (D-4) (D-5) (D-6) (D-7) (D-8) (D-9) (D-10) (D-11) (D-12) (D-13) (D-14) (D-15) (D-16) (D-17) (D-18) (D-19) (D-20) (D-21) (D-22) (D-23) (D-24) (D-25) (D-26) (D-27) (D-28) (D-29) (D-30) (D-31) (D-32) (D-33) (D-34) (D-35) (D-36) (D-37) (D-38) (D-39) (D-40) (D-41) (D-42) (D-43) (D-44) (D-45) (D-46) (D-47) (D-48) (D-49) (D-50) (D-51) (D-52) (D-53) (D-54) (D-55) (D-56) (D-57) (D-58) (D-59) (D-60) (D-61) (D-62) (D-63) (D-64) (D-65) (D-66) (D-67) (D-68) (D-69) (D-70) (D-71) (D-72) (D-73) (D-74) (D-75) (D-76) (D-77) (D-78) (D-79) (D-80) (D-81) (D-82) (D-83) (D-84) (D-85) (D-86) (D-87) (D-88) (D-89) (D-90) (D-91) (D-92) (D-93) (D-94) (D-95) (D-96) (D-97) (D-98) (D-99) (D-100)				
12	INCORPORATED: (D-1) (D-2) (D-3) (D-4) (D-5) (D-6) (D-7) (D-8) (D-9) (D-10) (D-11) (D-12) (D-13) (D-14) (D-15) (D-16) (D-17) (D-18) (D-19) (D-20) (D-21) (D-22) (D-23) (D-24) (D-25) (D-26) (D-27) (D-28) (D-29) (D-30) (D-31) (D-32) (D-33) (D-34) (D-35) (D-36) (D-37) (D-38) (D-39) (D-40) (D-41) (D-42) (D-43) (D-44) (D-45) (D-46) (D-47) (D-48) (D-49) (D-50) (D-51) (D-52) (D-53) (D-54) (D-55) (D-56) (D-57) (D-58) (D-59) (D-60) (D-61) (D-62) (D-63) (D-64) (D-65) (D-66) (D-67) (D-68) (D-69) (D-70) (D-71) (D-72) (D-73) (D-74) (D-75) (D-76) (D-77) (D-78) (D-79) (D-80) (D-81) (D-82) (D-83) (D-84) (D-85) (D-86) (D-87) (D-88) (D-89) (D-90) (D-91) (D-92) (D-93) (D-94) (D-95) (D-96) (D-97) (D-98) (D-99) (D-100)				
27	INCORPORATED IN THIS REV. DELETED VLN LINE CHARTS FOR P-2305 (D-1) (D-2) (D-3) (D-4) (D-5) (D-6) (D-7) (D-8) (D-9) (D-10) (D-11) (D-12) (D-13) (D-14) (D-15) (D-16) (D-17) (D-18) (D-19) (D-20) (D-21) (D-22) (D-23) (D-24) (D-25) (D-26) (D-27) (D-28) (D-29) (D-30) (D-31) (D-32) (D-33) (D-34) (D-35) (D-36) (D-37) (D-38) (D-39) (D-40) (D-41) (D-42) (D-43) (D-44) (D-45) (D-46) (D-47) (D-48) (D-49) (D-50) (D-51) (D-52) (D-53) (D-54) (D-55) (D-56) (D-57) (D-58) (D-59) (D-60) (D-61) (D-62) (D-63) (D-64) (D-65) (D-66) (D-67) (D-68) (D-69) (D-70) (D-71) (D-72) (D-73) (D-74) (D-75) (D-76) (D-77) (D-78) (D-79) (D-80) (D-81) (D-82) (D-83) (D-84) (D-85) (D-86) (D-87) (D-88) (D-89) (D-90) (D-91) (D-92) (D-93) (D-94) (D-95) (D-96) (D-97) (D-98) (D-99) (D-100)				
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11	INCORPORATED IN THIS REV. DELETED VLN LINE CHARTS FOR P-2305 (D-1) (D-2) (D-3) (D-4) (D-5) (D-6) (D-7) (D-8) (D-9) (D-10) (D-11) (D-12) (D-13) (D-14) (D-15) (D-16) (D-17) (D-18) (D-19) (D-20) (D-21) (D-22) (D-23) (D-24) (D-25) (D-26) (D-27) (D-28) (D-29) (D-30) (D-31) (D-32) (D-33) (D-34) (D-35) (D-36) (D-37) (D-38) (D-39) (D-40) (D-41) (D-42) (D-43) (D-44) (D-45) (D-46) (D-47) (D-48) (D-49) (D-50) (D-51) (D-52) (D-53) (D-54) (D-55) (D-56) (D-57) (D-58) (D-59) (D-60) (D-61) (D-62) (D-63) (D-64) (D-65) (D-66) (D-67) (D-68) (D-69) (D-70) (D-71) (D-72) (D-73) (D-74) (D-75) (D-76) (D-77) (D-78) (D-79) (D-80) (D-81) (D-82) (D-83) (D-84) (D-85) (D-86) (D-87) (D-88) (D-89) (D-90) (D-91) (D-92) (D-93) (D-94) (D-95) (D-96) (D-97) (D-98) (D-99) (D-100)				
↑ CP&L HPES FIELD REVISION ↓					

RECEIVED
10-27-94

REFERENCE DRAWINGS
LIST OF DRAWINGS CAR-704-B-1-C
PUMPING LINE LIST CAR-704-B-2-C
VALVE & SPECIALTY LIST CAR-704-B-3-C
INSTRUMENT LIST CAR-704-B-4-C
FLOW DIAGRAM LEGEND CAR-704-B-5-C

APPROVED FOR CONSTRUCTION

THIS DRAWING IS A REPRESENTATION OF THE COMPLETED TEST/OPERATION DRAWING.
REV. 001, NO. 2222, DATE 08-1-73
(PLEASE FILE IN 1284-12 REV 001)
DRAWING HAS BEEN ALTERED, AS NECESSARY, FOR THE FIELD ENGINEER'S FIELD PLAN.
THIS DRAWING IS DELIVERED IN ACCORDANCE WITH AND IN SUBJECT TO THE PROVISIONS OF SECTION 8 OF THE CONTRACT BETWEEN CAROLINA POWER & LIGHT COMPANY AND EBARCO SERVICES INCORPORATED DATED SEPTEMBER 1, 1972, AS AMENDED.

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

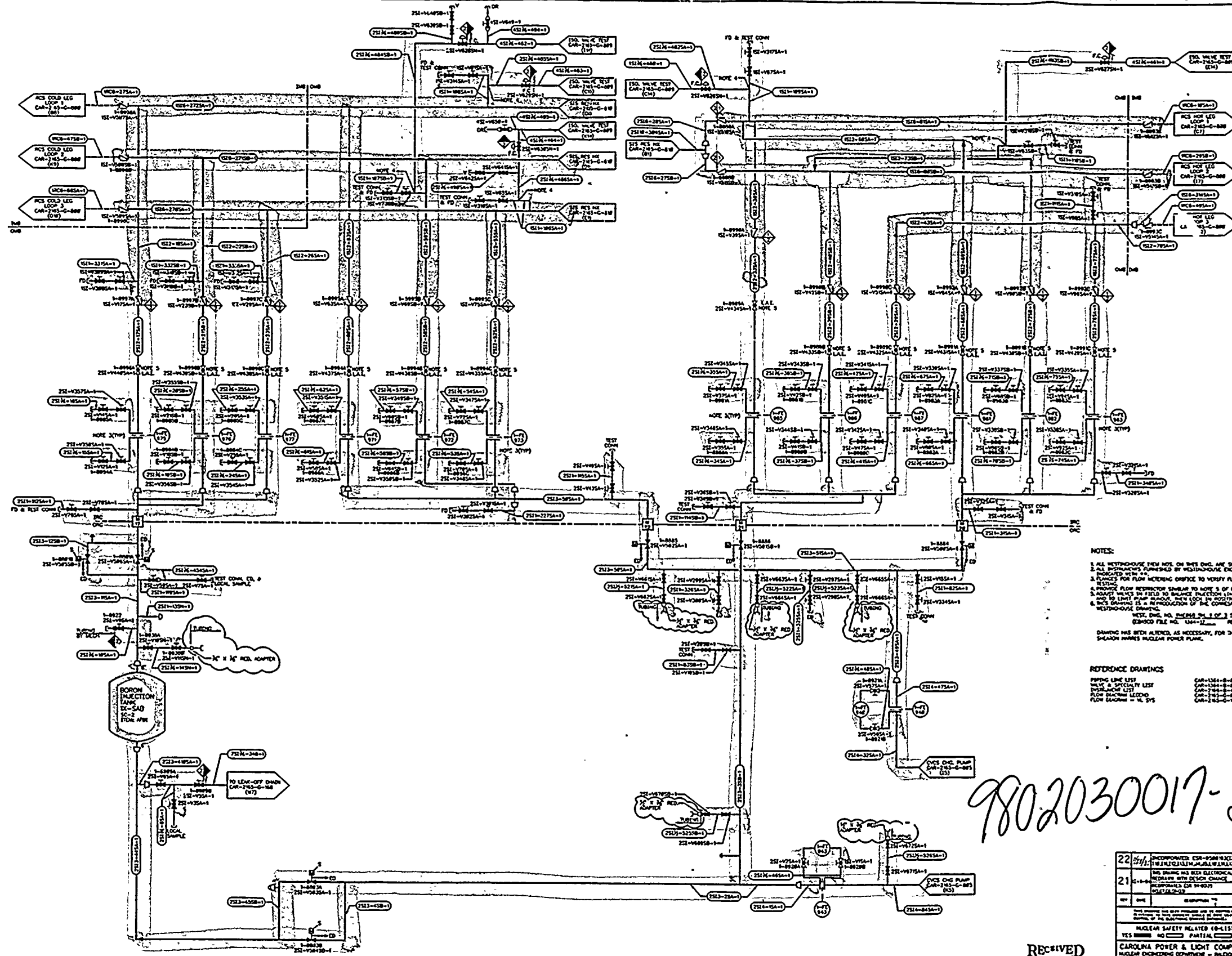
FLOW DIAGRAM
CHEMICAL & VOLUME CONTROL SYSTEM
UNIT I

EBARCO SERVICES INCORPORATED
SCALE NONE
DATE 8-10-73
BY JSC/L
APP'D BY JSC/L
CHECKED BY JSC/L
DATE 8-10-73
CAR-2165
G-807

PHOTO COPY
OF

1964

CAR-2165
G-888



NOTES:

1. ALL HYDROHOUSE ITEM NOS. ON THIS DWG. ARE SHOWN WITHOUT PHOTO CODE.
2. ALL INSTRUMENTS NUMBERED BY HYDROHOUSE EXCEPT THOSE INDICATED WITH "H".
3. PLACES FOR FLOW METERING ORIFICE TO VERIFY FLOW DURING PRC-OPERATIONAL TESTS.
4. PROVIDE FLOW RESTRICTOR SIMILAR TO NOTE 5 OF Dwg. CAR-2163-G-041.
5. ADJUST VALVE IN FIELD TO MAINTAIN FLOW RATE AS SHOWN IN THIS DWG. AND TO LIMIT FLOW THROUGH THIS LOOP IN POSITION.
6. THIS DRAWING IS A REPRODUCTION OF THE CORRESPONDING HYDROHOUSE DRAWING.

WEST. Dwg. NO. 2165-G-888, SHEET 1 OF 2, SUB. 1
 (35000) FILE NO. 2165-G-888, REV. 1

DRAWING HAS BEEN AMENDED, AS NECESSARY, FOR THE SHADON MARKS NUCLEAR POWER PLANT.

REFERENCE DRAWINGS

HYDROHOUSE LIST	CAR-1364-B-070
VALVE & SWITCH LIST	CAR-1364-B-080
INSTRUMENT LIST	CAR-1364-B-090
FLOW METERING LIST	CAR-1364-B-100
FLOW DIAGRAM LEGEND	CAR-2165-G-040
FLOW DIAGRAM - U. S. S.	CAR-2165-G-040

9802030017-30

RECEIVED
3-26-95
DOCUMENT CONTROL

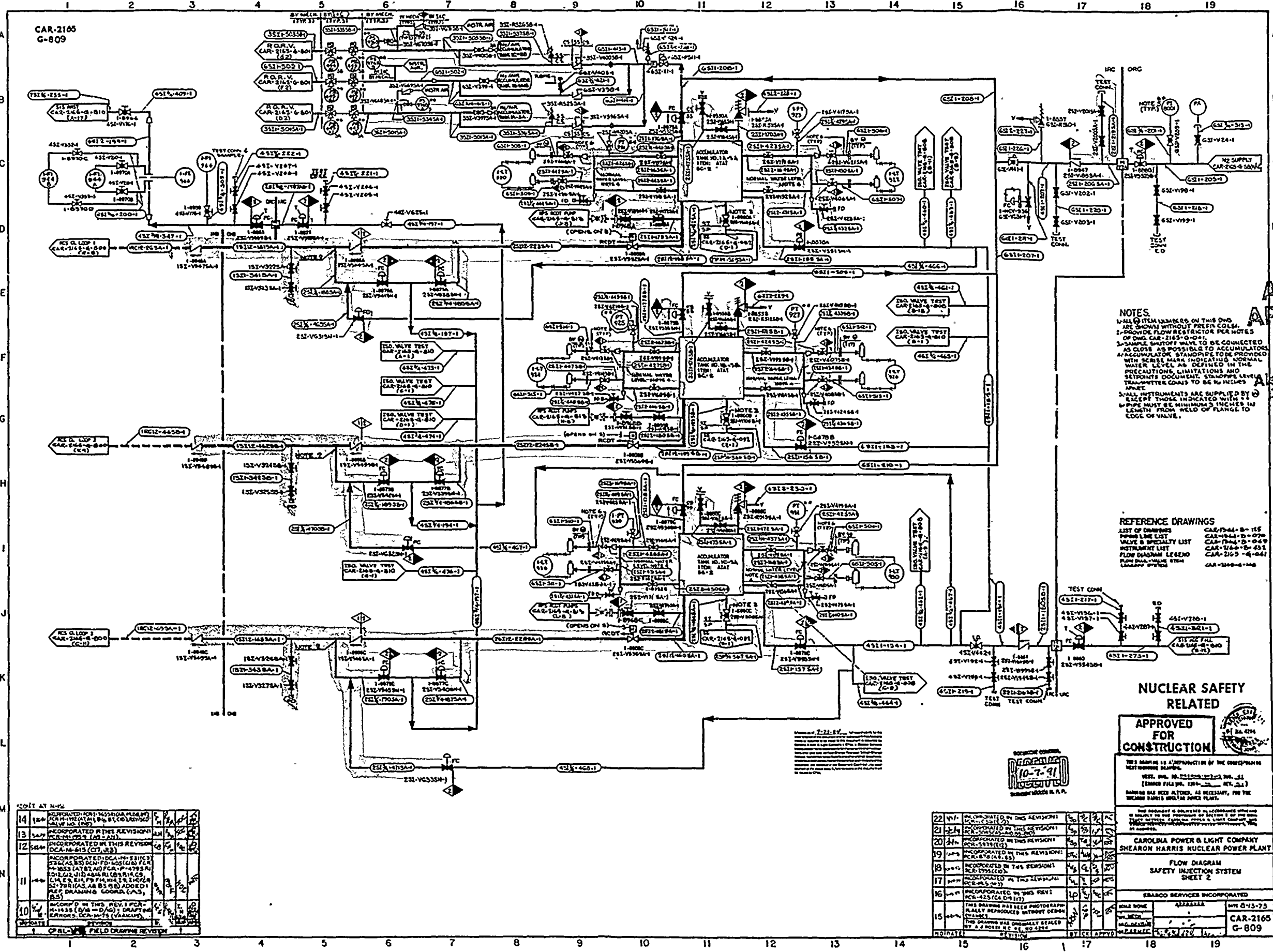
22	INCORPORATED CAR-2165-G-888, SHEET 1 OF 2, SUB. 1 (35000) FILE NO. 2165-G-888, REV. 1	US	SP	MP	CP
21	THIS DRAWING HAS BEEN ELECTRONICALLY REPRODUCED WITH DESIGN CHANGE INFORMATION FOR 9802030017-30	US	SP	MP	CP
<p>THIS DRAWING HAS BEEN AMENDED AND IS APPROVED BY THE FIELD OFFICE, POWER PLANT DIVISION OF THE ELECTRIC POWER DIVISION.</p> <p>NUCLEAR SAFETY RELATED 10-11571</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> PARTIAL <input type="checkbox"/> P.P.-0000 R.E.-0</p> <p>CAROLINA POWER & LIGHT COMPANY NUCLEAR ENGINEERING EQUIPMENT - BUILDING, E.C. HARRIS NUCLEAR PROJECT - UNIT 1</p> <p>CP&L NONE</p> <p>FLOW DIAGRAM SAFETY INJECTION SYSTEM CAR-2165 G-888</p>					

ANSTEC
PERTURE
CARD

Available on
Perture Card

GENERAL
INFORMATION
BUREAU

NO. 1111111111
1111111111



CAR-2165
G-809

ANSTEC
APERTURE
CARD

Also Available on
Aperture Card

NOTES
1. ALL ITEM NUMBERS ON THIS DWG ARE SHOWN WITHOUT PREFIX COLS.
2. PROVIDE FLOW RESTRICTOR FOR NOTES OF DWG CAR-2165-4-100
3. SAMPLE SHUTOFF VALVE TO BE CONNECTED AS CLOSE AS POSSIBLE TO ACCUMULATOR. ACCUMULATOR STANDPIPE TO BE PROVIDED WITH SCRIBE MARK INDICATING NORMAL WATER LEVEL. MARK DEFINED IN THE PRECAUTIONS, LIMITATIONS AND SETPOINTS DOCUMENT. STANDPIPE LEVEL TRANSMITTER COULDS TO BE 1/2 INCHES APART.
3. ALL INSTRUMENTS ARE SUPPLIED BY
ELECTRICITY INDICATED WITH
W/PIPE MUST BE MINIMUM 1/2 INCHES IN LENGTH FROM HELD OF FLANGE TO EDGE OF VALVE.

REFERENCE DRAWINGS
LIST OF CHANGES
VALVE & SPECIALTY LIST
INSTRUMENT LIST
FLOW DIAGRAM LEGEND
PIPE DIA. - VALVE STEM
LAYOUT OF PIPES

NUCLEAR SAFETY
RELATED

APPROVED FOR
CONSTRUCTION

THIS DRAWING IS A REPRESENTATION OF THE COMPANY'S BEST KNOWLEDGE.
USE OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF THE COMPANY IS PROHIBITED.
DRAWING HAS BEEN REVISIONED, AS NECESSARY, FOR THE DESIGNER'S AND/OR THE USER'S PLANS.
THIS DRAWING IS DELIVERED BY ACCORDANCE WITH THE TERMS OF SECTION 1 OF THE CONTRACT.
THIS DRAWING IS THE PROPERTY OF THE COMPANY AND IS TO BE KEPT IN THE COMPANY'S POSSESSION AT ALL TIMES.

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM
SAFETY INJECTION SYSTEM
SHEET 2

ESABCO SERVICES INCORPORATED
DATE: 07-91
DRAWN BY: [Name]
CHECKED BY: [Name]
APPROVED BY: [Name]

CHG AT REV

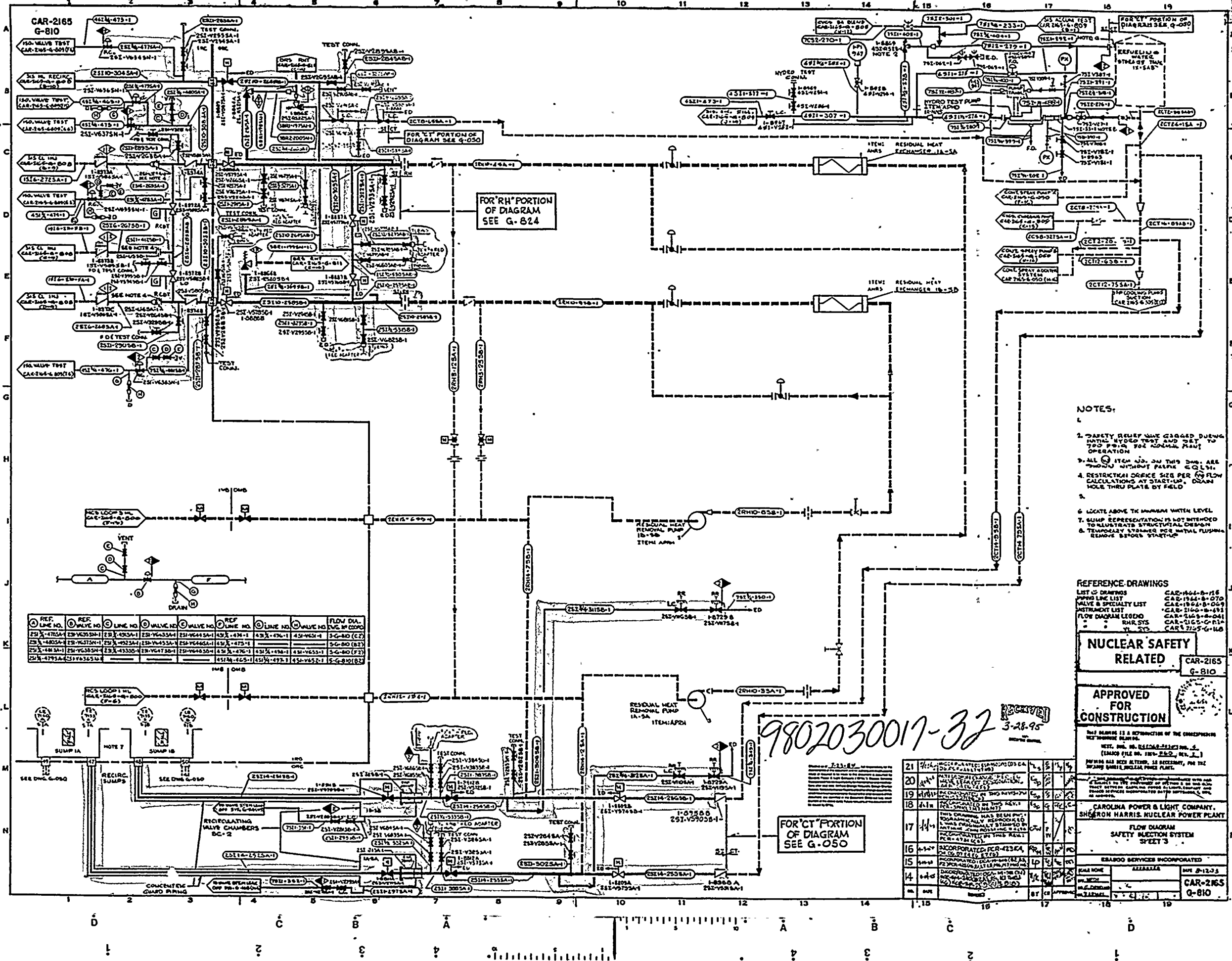
14	REV	INCORPORATED IN THIS REVISION: [Details]	AN	
13	REV	INCORPORATED IN THIS REVISION: [Details]	AN	
12	REV	INCORPORATED IN THIS REVISION: [Details]	AN	
11	REV	INCORPORATED IN THIS REVISION: [Details]	AN	
10	REV	INCORPORATED IN THIS REVISION: [Details]	AN	

22	REV	INCORPORATED IN THIS REVISION: [Details]	AN	
21	REV	INCORPORATED IN THIS REVISION: [Details]	AN	
20	REV	INCORPORATED IN THIS REVISION: [Details]	AN	
19	REV	INCORPORATED IN THIS REVISION: [Details]	AN	
18	REV	INCORPORATED IN THIS REVISION: [Details]	AN	
17	REV	INCORPORATED IN THIS REVISION: [Details]	AN	
16	REV	INCORPORATED IN THIS REVISION: [Details]	AN	
15	REV	INCORPORATED IN THIS REVISION: [Details]	AN	

9802030017-31

ABEYARATNE
SRI LANKA
1980

1980
SRI LANKA
1980



REF. LINE NO.	REF. VALVE NO.	REF. LINE NO.	REF. VALVE NO.	REF. LINE NO.	REF. VALVE NO.	REF. LINE NO.	REF. VALVE NO.	REF. LINE NO.	REF. VALVE NO.	FLOW DIA. INCHES	FLOW DIA. INCHES
231-475A-1	231-475A-1	231-475B-1	231-475B-1	231-475C-1	231-475C-1	231-475D-1	231-475D-1	231-475E-1	231-475E-1	5.0	5.0
231-475B-1	231-475B-1	231-475C-1	231-475C-1	231-475D-1	231-475D-1	231-475E-1	231-475E-1	231-475F-1	231-475F-1	5.0	5.0
231-475C-1	231-475C-1	231-475D-1	231-475D-1	231-475E-1	231-475E-1	231-475F-1	231-475F-1	231-475G-1	231-475G-1	5.0	5.0
231-475D-1	231-475D-1	231-475E-1	231-475E-1	231-475F-1	231-475F-1	231-475G-1	231-475G-1	231-475H-1	231-475H-1	5.0	5.0

- NOTES:
1. SAFETY RELIEF VALVE CLOSED DURING INITIAL HYDRO TEST AND TEST TO 700 PSIG FOR NORMAL PLANT OPERATION
 2. ALL ITEM NO. ON THIS DRAWING ARE TO BE INSTALLED WITHOUT FAILURE
 3. RESTRICTION ORIFICE SIZE PER FLOW CALCULATIONS AT START-UP. ORIFICE HOLE THRU PLATE BY FIELD
 4. LOCATE ABOVE THE MAXIMUM WATER LEVEL
 5. PUMP REPRESENTATION IS NOT INTENDED TO ILLUSTRATE STRUCTURAL DESIGN
 6. TEMPORARILY BYPASS FOR INITIAL FLUSHING REMOVE BEFORE START-UP

- REFERENCE DRAWINGS
- LIST OF DRAWINGS CAR-2165-G-810
 - VALVE & SPECIALTY LIST CAR-2165-G-810
 - INSTRUMENT LIST CAR-2165-G-810
 - FLOW DIAGRAM LEGEND CAR-2165-G-810
 - RHR SYS CAR-2165-G-810
 - YLR SYS CAR-2165-G-810

NUCLEAR SAFETY RELATED

APPROVED FOR CONSTRUCTION

THIS DRAWING IS A REPRODUCTION OF THE CORRESPONDING REVISIONED DRAWING.

NETS, INC. 10000 WILSON BLVD., SUITE 1000, WILSON, N.C. 27157

CAROLINA POWER & LIGHT COMPANY, SHEARON HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM SAFETY SYSTEM SHEET 3

EBARD SERVICES INCORPORATED

9802030017-32 3-28-95

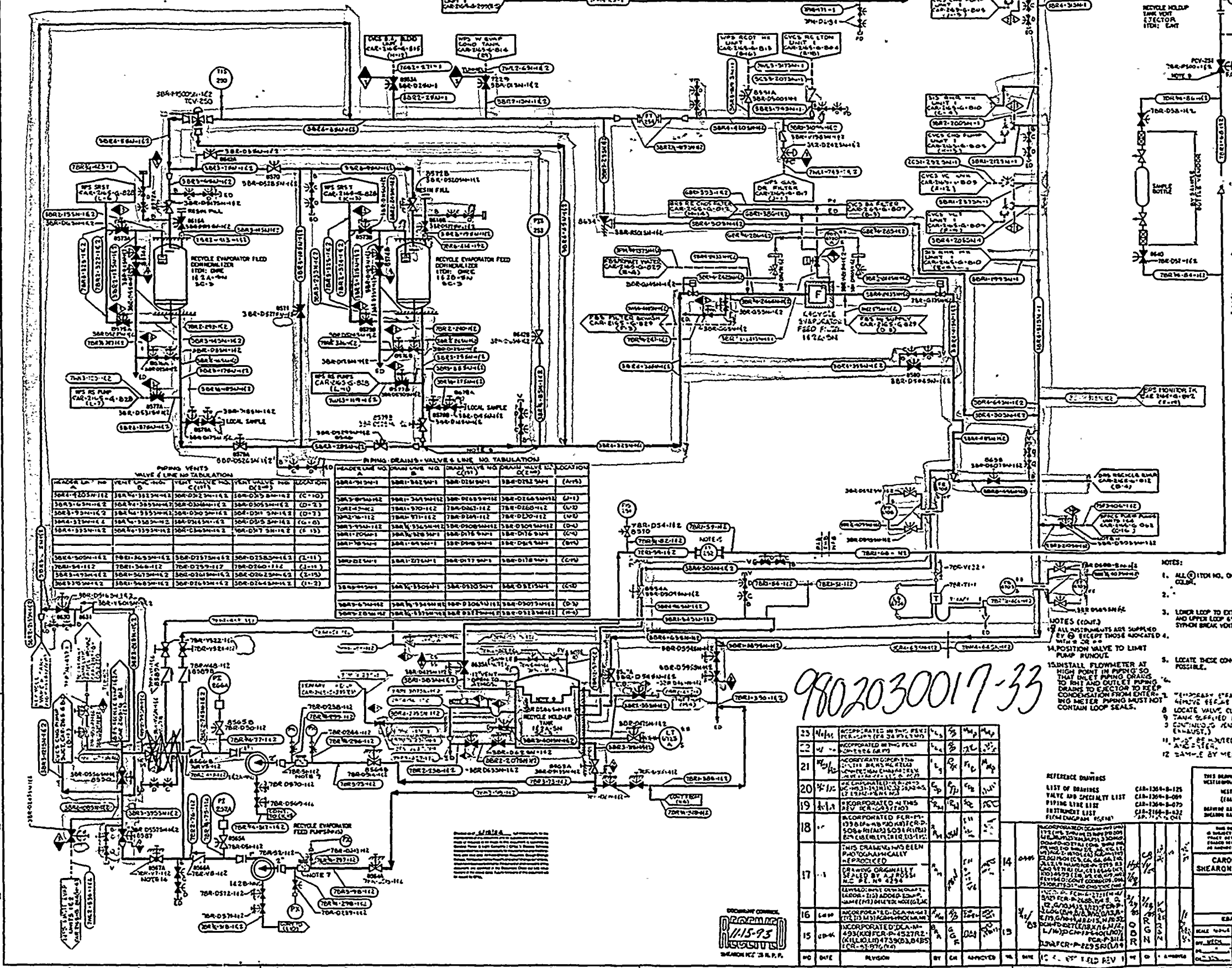
FOR 'CT' PORTION OF DIAGRAM SEE G-050

ANSTEC APERTURE CARD
Also Available Aperture Car

151214
1000000000

1000000000

CAR-2165
G-811



ANSTEC APERTURE CARD

Also Available on Aperture Card

NUCLEAR SAFETY
RELATED IN PART ONLY

APPROVED
FOR
CONSTRUCTION

PIPING VENTS

HEADER LINE NO.	VENT LINE NO.	VENT VALVE TAG NO.	VENT LOCATION
30A-0150N-112	30A-0151N-112	30A-0151V-112	(C-10)
30A-0155N-112	30A-0156N-112	30A-0156V-112	(D-2)
30A-0160N-112	30A-0161N-112	30A-0161V-112	(D-7)
30A-0165N-112	30A-0166N-112	30A-0166V-112	(G-4)
30A-0170N-112	30A-0171N-112	30A-0171V-112	(G-13)
30A-0175N-112	30A-0176N-112	30A-0176V-112	(L-11)
30A-0180N-112	30A-0181N-112	30A-0181V-112	(J-11)
30A-0185N-112	30A-0186N-112	30A-0186V-112	(J-15)
30A-0190N-112	30A-0191N-112	30A-0191V-112	(L-2)

BRANCH DRAINAGE VALVE & LINE NO. TABULATION

HEADER LINE NO.	BRANCH LINE NO.	BRANCH VALVE TAG NO.	BRANCH LOCATION
30A-0150N-112	30A-0151N-112	30A-0151V-112	(C-10)
30A-0155N-112	30A-0156N-112	30A-0156V-112	(D-2)
30A-0160N-112	30A-0161N-112	30A-0161V-112	(D-7)
30A-0165N-112	30A-0166N-112	30A-0166V-112	(G-4)
30A-0170N-112	30A-0171N-112	30A-0171V-112	(G-13)
30A-0175N-112	30A-0176N-112	30A-0176V-112	(L-11)
30A-0180N-112	30A-0181N-112	30A-0181V-112	(J-11)
30A-0185N-112	30A-0186N-112	30A-0186V-112	(J-15)
30A-0190N-112	30A-0191N-112	30A-0191V-112	(L-2)

- NOTES:
- ALL I.D. TAG NO. ON THIS DWG. ARE SHOWN WITHOUT PREFIX COLOR.
 - LOWER LOOP TO EXTEND 20" BELOW OVERFLOW CONNECTION AND UPPER LOOP OF BELOW DRAINAGE FLANGE. LOCATE SYMBION BREAK VOLT ON TOP OF UPPER LOOP.
 - ALL INSTRUMENTS ARE SUPPLIED BY THE CONTRACTOR UNLESS INDICATED OTHERWISE.
 - LOCATE THESE CONNECTIONS AS CLOSE TOGETHER AS POSSIBLE.
 - LOCATE VALVE CLOSE TO CONNECTION OF PIPE.
 - TANK SUPPLIED WITH DASH-PAGAS.
 - CONTAINERS OF VENTILATION CONNECTED TO HVAC EXHAUST.
 - IF NOT INDICATED OTHERWISE, 1/2" NPT DRAINAGE VALVE SHALL BE USED.
 - DRAINAGE BY MECHANICAL VACUUM PUMP.
- NOTES (CONT.)
- INSTALL FLOWMETER AT HIGH POINT IN PIPING SO THAT INLET PIPING DRAINS TO SECTION TO KEEP CONDENSATION FROM ENTERING METER. PIPING MUST NOT CONTAIN LOOP SEALS.
 - TEMPERATURE FRAMEWORK FOR ANSTEC PLANTING SHOULD BE USED FOR ALL PLANTING.

9802030017-33

NO	DATE	BY	APPROVED	REVISION
25	11/15/75	WJS	[Signature]	1
24	11/15/75	WJS	[Signature]	2
23	11/15/75	WJS	[Signature]	3
22	11/15/75	WJS	[Signature]	4
21	11/15/75	WJS	[Signature]	5
20	11/15/75	WJS	[Signature]	6
19	11/15/75	WJS	[Signature]	7
18	11/15/75	WJS	[Signature]	8
17	11/15/75	WJS	[Signature]	9
16	11/15/75	WJS	[Signature]	10
15	11/15/75	WJS	[Signature]	11
14	11/15/75	WJS	[Signature]	12
13	11/15/75	WJS	[Signature]	13
12	11/15/75	WJS	[Signature]	14
11	11/15/75	WJS	[Signature]	15
10	11/15/75	WJS	[Signature]	16
9	11/15/75	WJS	[Signature]	17
8	11/15/75	WJS	[Signature]	18
7	11/15/75	WJS	[Signature]	19
6	11/15/75	WJS	[Signature]	20
5	11/15/75	WJS	[Signature]	21
4	11/15/75	WJS	[Signature]	22
3	11/15/75	WJS	[Signature]	23
2	11/15/75	WJS	[Signature]	24
1	11/15/75	WJS	[Signature]	25

REFERENCE DRAWINGS

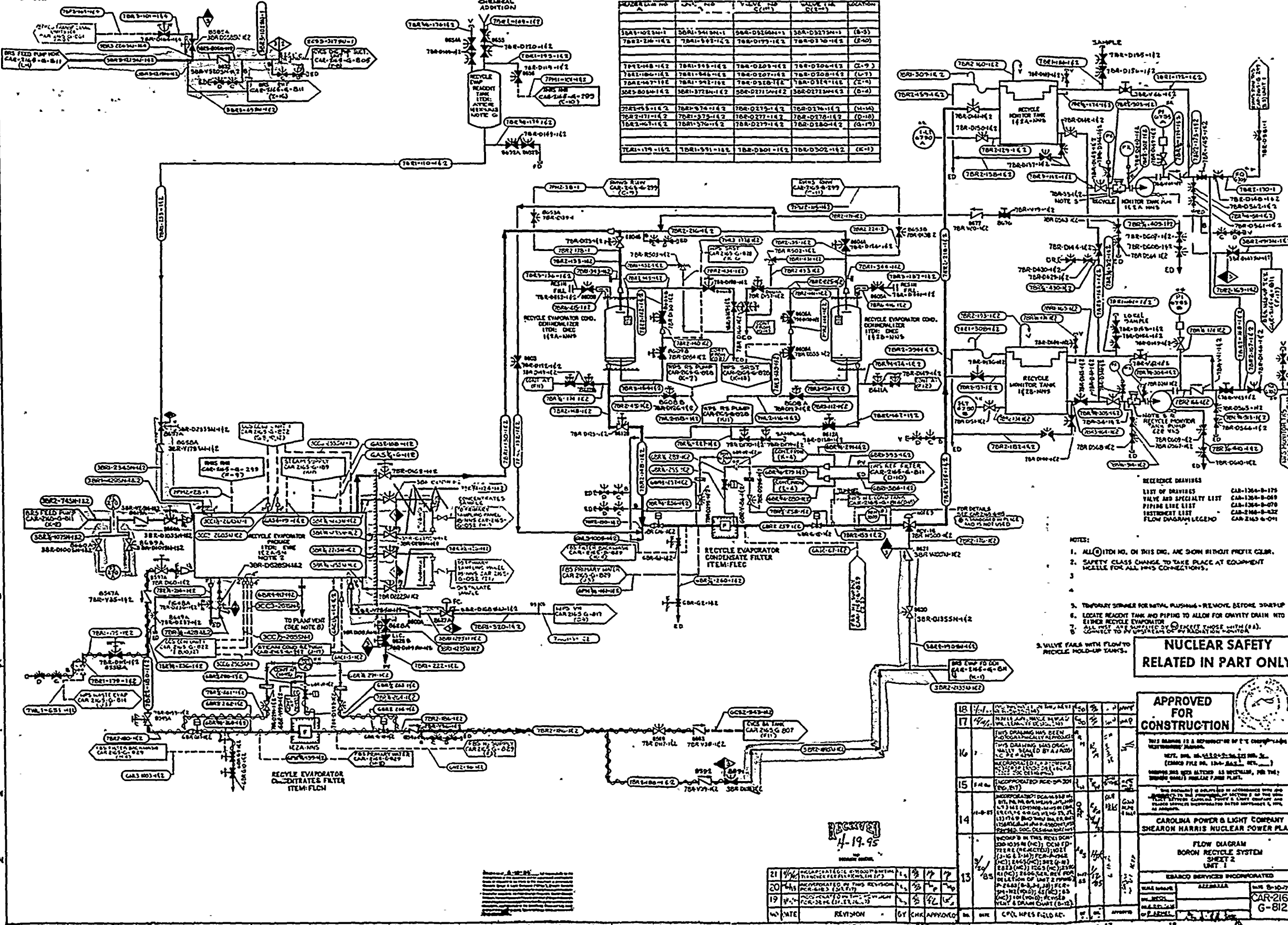
DWG NO.	TITLE	DATE
CAR-1368-B-125	VALVE AND SPECIALTY LIST	11/15/75
CAR-1368-B-126	PIPING LINE LIST	11/15/75
CAR-1368-B-127	INSTRUMENT LIST	11/15/75
CAR-1368-B-128	1/2" NPT DRAINAGE VALVE LIST	11/15/75

THIS DRAWING IS A REPRODUCTION OF THE CONSTRUCTION DRAWING...
 SHEARON HARRIS NUCLEAR POWER PLANT
 FLOW DIAGRAM
 BORON RECYCLE SYSTEM
 SHEET 1
 REVISIONS INCORPORATED
 DATE 8-10-75
 CAR-2165
 G-811

APR 1954
MAY 1954

Abertus Cur
SAC

CAR-2165
G-812



PIPING DRAINS & VENTS VALVE & LINE NO. TABULATION

VALVE NO.	LINE NO.	LOCATION	FUNCTION
7BR-103M-1	7BR-103M-1	7BR-103M-1	(B-9)
7BR-103M-1E	7BR-103M-1E	7BR-103M-1E	(B-9)
7BR-103M-1E	7BR-103M-1E	7BR-103M-1E	(B-9)
7BR-103M-1E	7BR-103M-1E	7BR-103M-1E	(B-9)
7BR-103M-1E	7BR-103M-1E	7BR-103M-1E	(B-9)
7BR-103M-1E	7BR-103M-1E	7BR-103M-1E	(B-9)
7BR-103M-1E	7BR-103M-1E	7BR-103M-1E	(B-9)
7BR-103M-1E	7BR-103M-1E	7BR-103M-1E	(B-9)
7BR-103M-1E	7BR-103M-1E	7BR-103M-1E	(B-9)
7BR-103M-1E	7BR-103M-1E	7BR-103M-1E	(B-9)

ANSTEC APERTURE CARD

Also Available on Aperture Card

REFERENCE DRAWINGS LIST OF DRAWINGS VALVE AND SPECIALTY LIST PIPING LINE LIST INSTRUMENT LIST FLOW DIAGRAM LEGEND

- 1. ALL (ITD) NO. ON THIS DIC. ARE SHOWN WITHOUT PREFIX CLR.
- 2. SAFETY CLASS CHANGE TO TAKE PLACE AT EQUIPMENT INCELS FOR ALL PMS CONNECTIONS.
- 3.
- 4.
- 5. TEMPORARY STOPPER FOR METAL PLUGGING - REMOVE BEFORE SHUTDOWN
- 6. LOCATE REACTOR TANK AND PIPING TO ALLOW FOR DRAINAGE INTO EITHER RECYCLE EVAPORATOR OR CONDENSATE FILTER
- 7. CONTACT TO AN ANSTEC FOR ANY DETAILS OF A PLUGGING CONTROL

NUCLEAR SAFETY RELATED IN PART ONLY

APPROVED FOR CONSTRUCTION

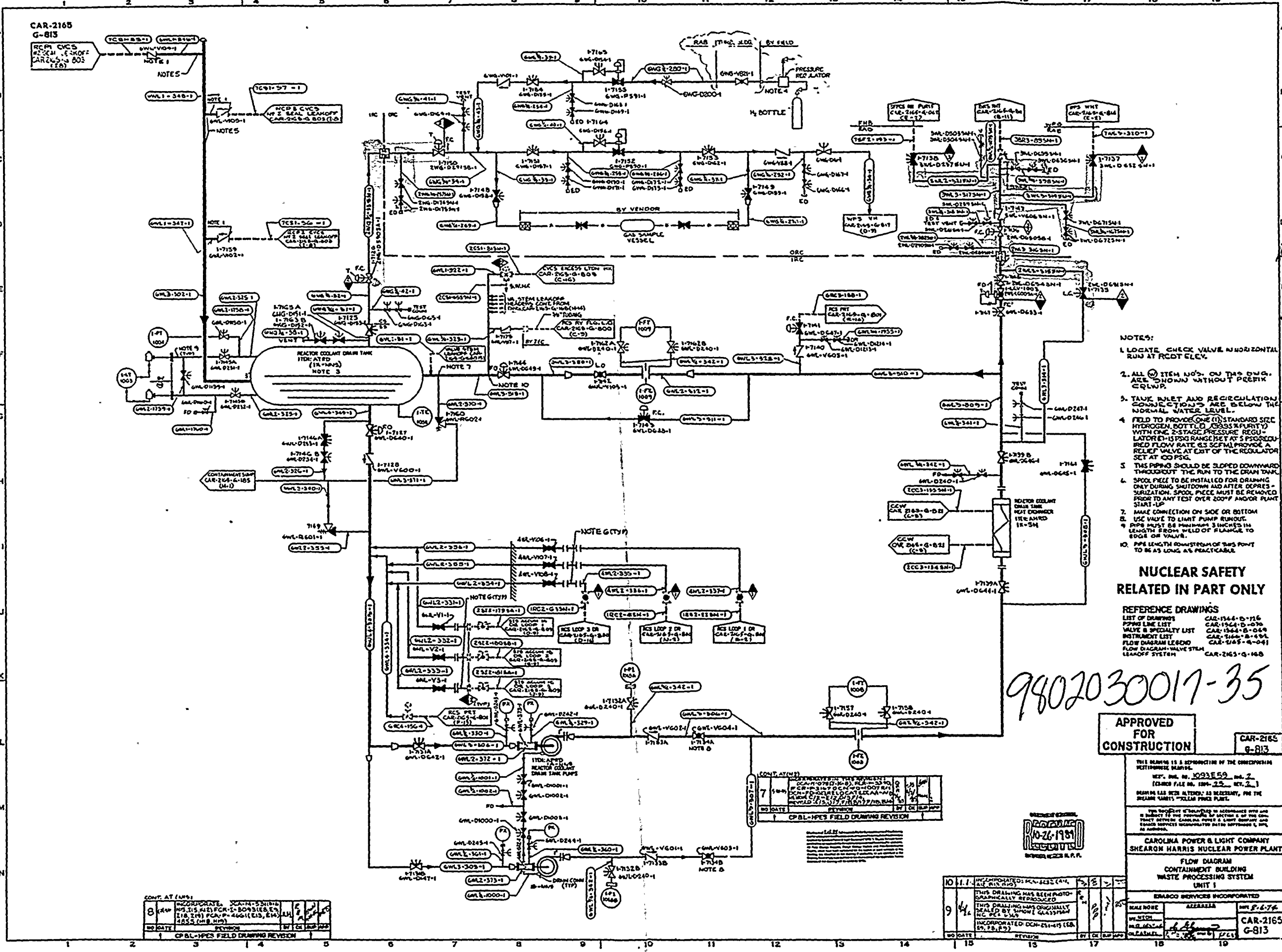
NO.	DATE	REVISION	BY	CHK	APPROVED
17	7/1/75				
18	7/1/75				
19	7/1/75				
20	7/1/75				
21	7/1/75				

4-19-95

9802030017-34

Aborigine Child
VIA REGISTERED MAIL

CHERRY
MONTREAL
QUEBEC



ANSTEC APERTURE CARD
Also Available on Aperture Card

- NOTES:
1. LOCATE CHECK VALVE AS HORIZONTAL RUN AT FOOT ELEV.
 2. ALL O/I ITEM NOS. ON THE DWG. ARE SHOWN WITHOUT PREFIX CQLWP.
 3. TANK INLET AND RECIRCULATION CONNECTIONS ARE BELOW THE NORMAL WATER LEVEL.
 4. FIELD TO PROVIDE ONE (1) STANDARD SIZE HYDROGEN DOT TLD (3535 PART) WITH ONE 2-STAGE PRESSURE REGULATOR IS PROVIDED AT 5 PSIG. REDUCED FLOW RATE 0.5 SCFM PROVIDE A RELIEF VALVE AT EXIT OF THE REGULATOR SET AT 100 PSIG.
 5. THIS PIPING SHOULD BE SLOPED DOWNWARD THROUGHOUT THE RUN TO THE DRINK TANK.
 6. SPOOL PIECE TO BE INSTALLED FOR DRAINING ONLY DURING SHUTDOWN AND AFTER DEPRESSURIZATION. SPOOL PIECE MUST BE REMOVED FROM TO ANY TEST OVER 200°F AND/OR PLANT START-UP.
 7. MAKE CONNECTION ON SIDE OR BOTTOM.
 8. USE VALVE TO LIMIT PUMP RUNOUT.
 9. PIPE MUST BE MINIMUM 3 INCHES IN LENGTH FROM WELD OF FLANGE TO EDGE OF VALVE.
 10. PIPE LENGTH DOWNSTREAM OF THIS POINT TO BE AS LONG AS PRACTICABLE.

NUCLEAR SAFETY RELATED IN PART ONLY

- REFERENCE DRAWINGS
- LIST OF DRAWINGS CAR-1544-D-116
 - PPING LINE LIST CAR-1544-D-070
 - VALVE & SPECIALTY LIST CAR-1544-B-049
 - INSTRUMENT LIST CAR-1544-B-049
 - FLOW DIAGRAM LEGEND CAR-1545-G-041
 - FLOW DIAGRAM-VALVE STEM LEAKOFF SYSTEM CAR-2165-G-168

9802030017-35

APPROVED FOR CONSTRUCTION

CAR-2165 G-813

THIS DRAWING IS A REPRODUCTION OF THE CORRESPONDING REPRODUCED DRAWING.
REV. 2, 10/23/59, SHEET 2
(CHECK FILE NO. 1544-25, REV. 2.)
DRAWING HAS BEEN ALTERED; IS NECESSARY, FOR THE DRAWING USER'S "FIELD PRINTING".

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT
FLOW DIAGRAM
CONTAINMENT BUILDING
WASTE PROCESSING SYSTEM
UNIT 1

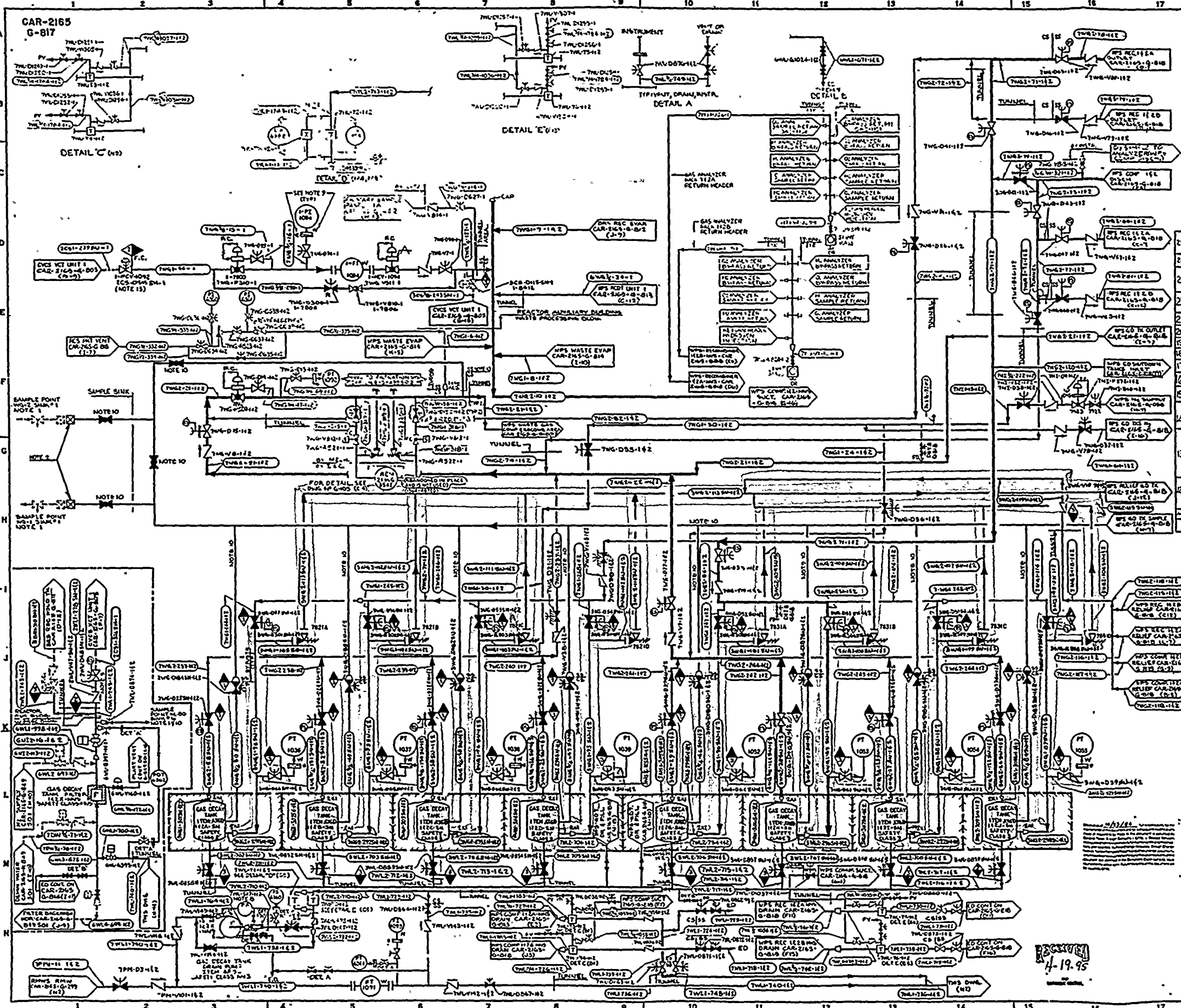
EMARGO SERVICES INCORPORATED
SCALE NONE
APPROVED BY: [Signature]
DATE: 10-26-1981
CARRIED OVER BY: [Signature]
DATE: 10-26-1981

NO	DATE	REVISION	BY	CHK
10	11-1	INCORPORATED: PCN-5232 (AM. 10-26-81)	[Signature]	[Signature]
9	10-26-81	THIS DRAWING HAS BEEN PHOTOGRAPHICALLY REPRODUCED. THIS DRAWING WAS ORIGINALLY DRAWN BY [Signature] AND INCORPORATED: DCM-2514-15 (REV. 10-15-81)	[Signature]	[Signature]

NO	DATE	REVISION	BY	CHK
8	10-26-81	COMP. AT (AMG)	[Signature]	[Signature]
1	10-26-81	CPBL-HPES FIELD DRAWING REVISION	[Signature]	[Signature]

OFFICE
OF THE
ATTORNEY GENERAL
STATE OF MISSISSIPPI

Attorney General
Jeffrey B. Sessions



NOTES:

- SEE DWG. CAR-2165-G-818-WASTE PROCESSING SAMPLING SYSTEM
- QUICK CONNECT COUPLERS PIPED TO RECEIVE PLANT GAS SAMPLING SYSTEM
- LOCATE VALVE VALVING & VALVING LEAKS. CHECK VOLUME CONTROL TANK IN REACTOR AUXILIARY DRAIN LINE.
- ALL GND. ON THIS DRAWING SHOWN WITHOUT PNEUMATIC COLUMN.
- FOR LIST OF REVISIONS DRAWINGS 400 DWG. CAR-2165-G-814.
- TEMPORARY STRAINER FOR INITIAL PLUMBING - REMOVE BEFORE START-UP.
- INSTRUMENTS SUPPLIED BY WESTINGHOUSE.
- FLOW METER WITH A-200-516 AND 1/2" LOOP TUNNEL VALVED BY INSTRUMENTATION.
- GAS SAMPLE ANALYZER FLOW DIAGRAM - SEE DWG. 1504-4-403-5-4-1 & 5-4-2.
- VALVE 1PCV-102E TRIPS CLOSED ON LOW PRESSURE SIGNAL FROM 1P15-117.
- POSITION VALVE TO LIMIT PUMP RUNOUT.
- 15 IN. 2" LOOP SEALS IN GAS TRAP SUCTION LINE.

NO.	DATE	BY	CHKD.	REVISION
1	10/1/68	J. H. HARRIS	J. H. HARRIS	ISSUED FOR CONSTRUCTION
2	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 1
3	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 2
4	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 3
5	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 4
6	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 5
7	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 6
8	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 7
9	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 8
10	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 9
11	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 10
12	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 11
13	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 12
14	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 13
15	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 14
16	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 15
17	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 16
18	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 17
19	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 18
20	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 19
21	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 20
22	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 21
23	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 22
24	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 23
25	10/1/68	J. H. HARRIS	J. H. HARRIS	REVISION 24

ANSTEC APERTURE CARD

Also Available on Aperture Card

- REFERENCE DRAWINGS**
- LIST OF INSTRUMENTS CAR-1504-B-125
 - LIST OF INSTRUMENTS CAR-1504-B-069
 - PIPING LINE LIST CAR-1504-B-070
 - INSTRUMENT LIST CAR-2165-G-812
 - FLOW DIAGRAM LIST CAR-2165-G-813
 - PLANT DIAGRAM LIST CAR-2165-G-814

NUCLEAR SAFETY RELATED IN PART ONLY

APPROVED FOR CONSTRUCTION

THIS DRAWING IS A REPRESENTATIVE OF THE CORRESPONDING INSTRUMENT DRAWING.
 REVISIONS HAS BEEN MADE, AS NECESSARY, FOR THE INSTRUMENTS WHICH POWER PLANT.

CAROLINA POWER & LIGHT COMPANY
 SHEARON HARRIS NUCLEAR PLANT

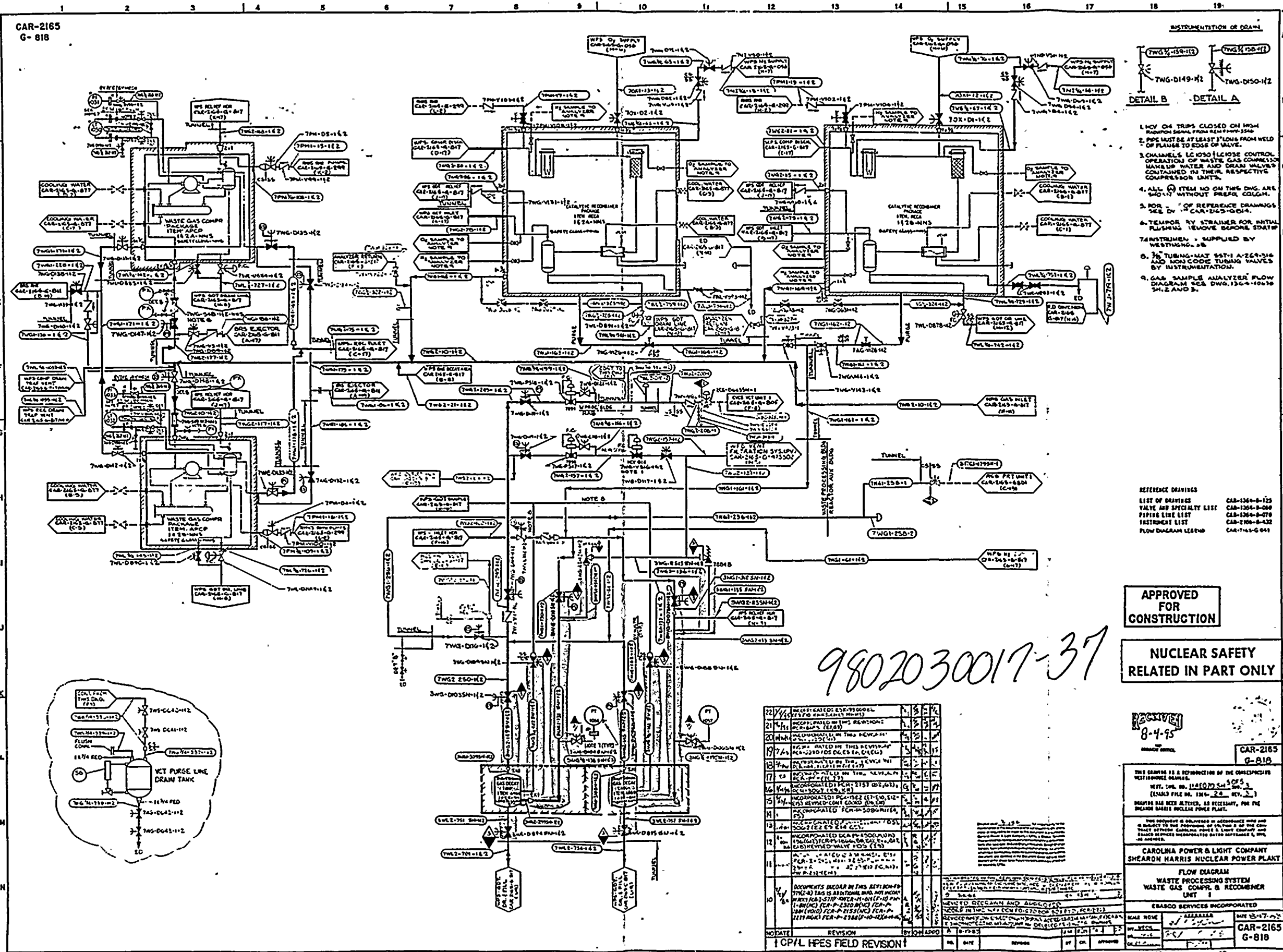
FLOW DIAGRAM
 WASTE PROCESSING SYSTEM
 GAS DECAY STORAGE
 UNIT I

SCALE	DATE	BY	CHKD.
AS SHOWN	10/1/68	J. H. HARRIS	J. H. HARRIS
NO. OF SHEETS	2		
NO. OF SHEETS USED	2		

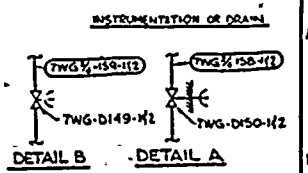
9802030017-36

OFFICE
OF THE
ATTORNEY GENERAL
STATE OF CALIFORNIA

W. James C. ...
...
...



CAR-2165
G-818



- INSTRUMENTATION OF DRAWING**
1. MOV G4 TRIPS CLOSED ON HIGH Radiation Signal FROM 4E4 PUMP 2500
 2. PIPE MUST BE AT LEAST FLOWS FROM WELD OF FLANGE TO EDGE OF VALVE.
 3. CHANNELS LOG/ISO (LOCK) CONTROL OPERATION OF WASTE GAS COMPRESSOR MAKEUP WATER AND DRAIN VALVES CONTAINED IN THEIR RESPECTIVE COMPRESSOR UNITS.
 4. ALL (C) ITEM NO ON THIS DWG ARE (WO)11 WITHOUT PREP. COLGN.
 5. FOR (C) OF REFERENCE DRAWINGS SEE DWG CAR-2165-0014.
 6. TEMPORARY STRAINER FOR INITIAL PLUMBING REMOVE BEFORE STARTUP
 7. INSTRUMENTS SUPPLIED BY WESTINGHOUSE
 8. 3/8" TUBING MAT 8871-A-269-316 AND 3/4" TUBING MAT 8871-A-269-316 TO BE USED FOR PLUMBING VALVES BY INSTRUMENTATION.
 9. GAS SAMPLE ANALYZER FLOW DIAGRAM SEE DWG 1364-10010 SH.2 AND 3.

- REFERENCE DRAWINGS**
- LIST OF DRAWINGS CAR-1364-B-125
 - VALVE AND SPECIALTY LIST CAR-1364-B-060
 - PIPING SIZE LIST CAR-1364-B-070
 - INSTRUMENT LIST CAR-2165-B-022
 - FLOW DIAGRAM LEGEND CAR-743-G-041

APPROVED FOR CONSTRUCTION

NUCLEAR SAFETY RELATED IN PART ONLY

RECEIVED
8-4-95

CAR-2165
G-818

THIS DRAWING IS A REPRESENTATION OF THE CORRESPONDING INSTRUMENTATION DRAWING.
REV. 100. NO. 114100-2165-0014
(ISSUED FILE NO. 1364-22 REV. 2)

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

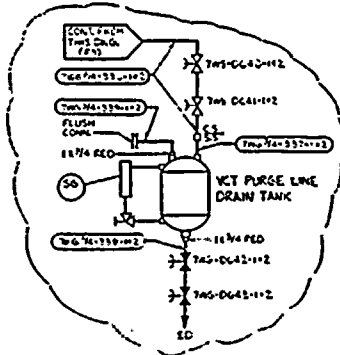
FLOW DIAGRAM
WASTE PROCESSING SYSTEM
WASTE GAS COMP. & RECOMBINER
UNIT 1

ENRADO SERVICES INCORPORATED

DATE	REVISION	BY	CHK	APPROVED
08/04/95	1

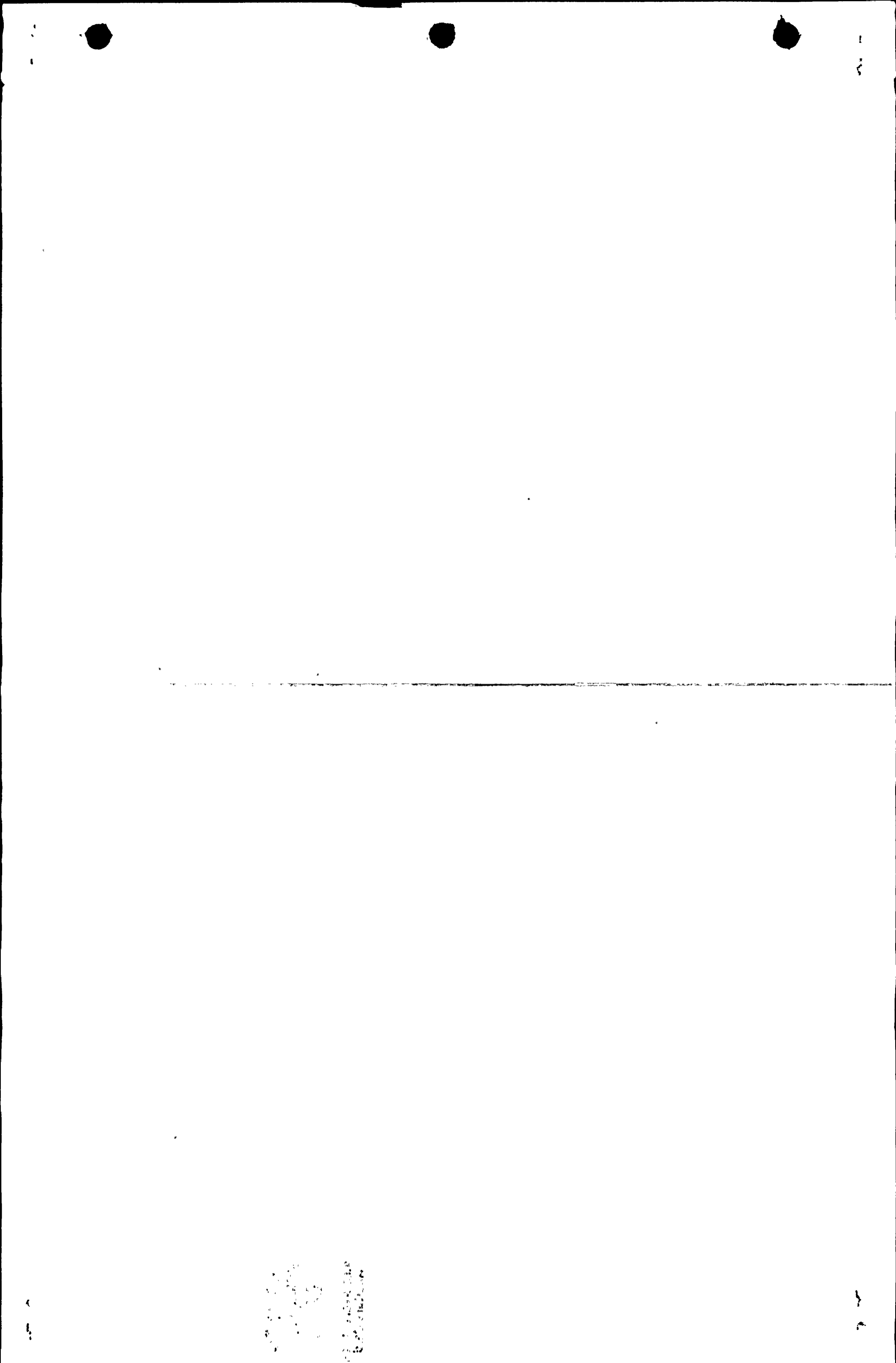
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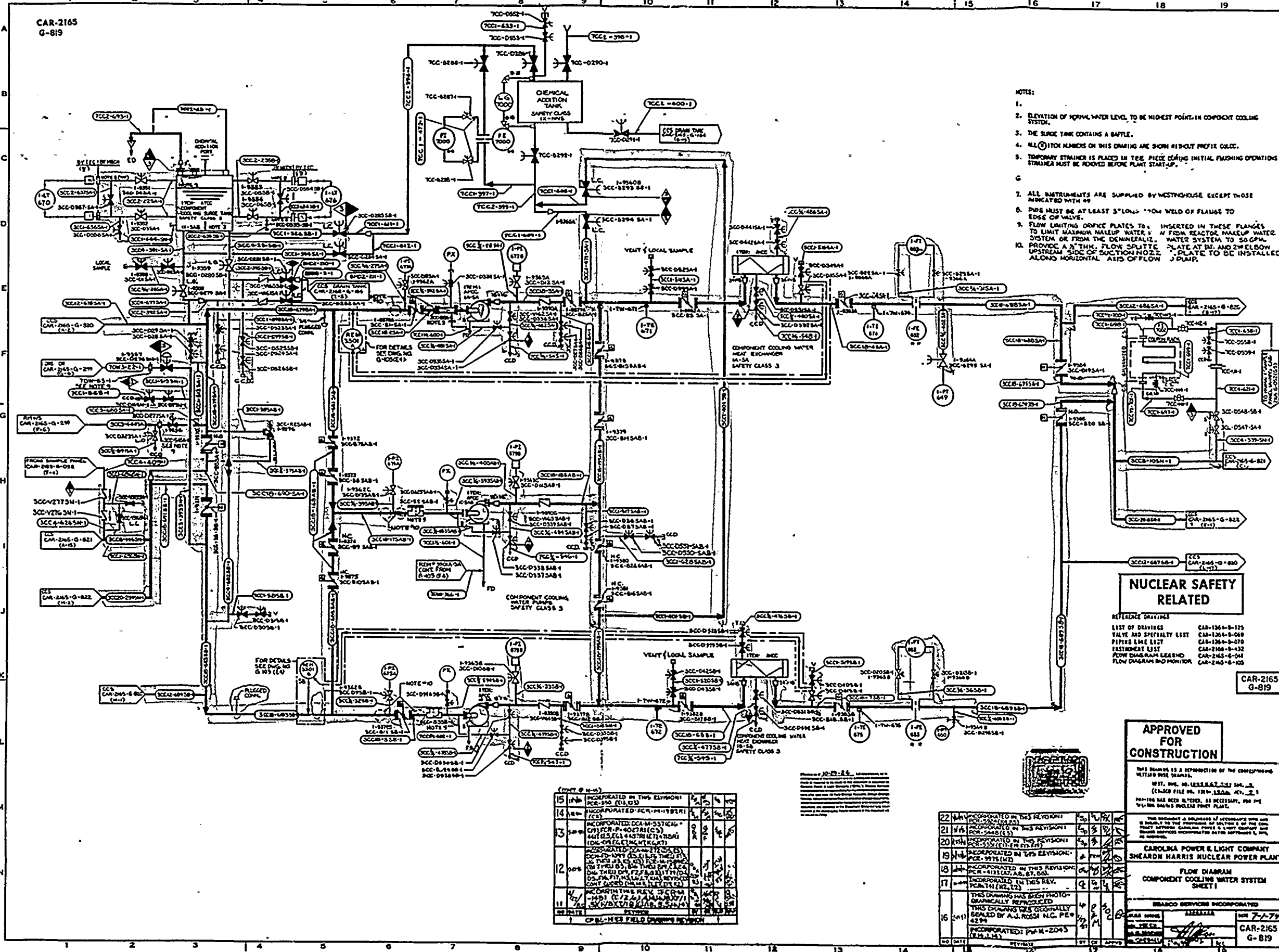
NO.	DESCRIPTION	DATE	BY	CHK	APPROVED
1	ISSUED FOR CONSTRUCTION	8/4/95
2
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**ANSTEC
APERTURE
CARD**

Also Available on Aperture Card





CAR-2165
G-819

- NOTES:
- 1.
 2. ELEVATION OF NORMAL WATER LEVEL TO BE HIGHEST POINT IN COMPONENT COOLING SYSTEM.
 3. THE SURGE TANK CONTAINS A Baffle.
 4. ALL (T) NOTATION NUMBERS ON THIS DRAWING ARE SHOWN WITHOUT PREFIX CODE.
 5. TEMPORARY STRAINER IS PLACED IN TEE PIECE DURING INITIAL FLUSHING OPERATIONS STRAINER MUST BE REMOVED BEFORE PLANT START-UP.
 - 6.
 7. ALL INSTRUMENTS ARE SUPPLIED BY WESTINGHOUSE EXCEPT THOSE INDICATED WITH (H).
 8. PIPE MUST BE AT LEAST 3" LOW WELD OF FLANGES TO EDGE OF VALVE.
 9. FLOW LIMITING ORIFICE PLATES TO BE INSERTED IN THESE FLANGES TO LIMIT MAXIMUM MAKEUP WATER FROM REACTOR MAKEUP WATER SYSTEM TO 50 GPM. PROVIDE A 1" THICK FLOW SPLITTER PLATE AT 3" AND 2" ELBOW UPSTREAM SIDE OF SUCTION NOZZLE. PLATE TO BE INSTALLED ALONG HORIZONTAL AXIS OF FLOW J. PUMP.
 - 10.

**ANSTEC
APERTURE
CARD**

Also Available on
Aperture Card

**NUCLEAR SAFETY
RELATED**

- REFERENCE DRAWINGS
- LIST OF DRAWINGS CAR-1365-B-125
 - VALVE AND SPECIALTY LIST CAR-1365-B-050
 - PIPING LEGEND CAR-1365-B-070
 - INSTRUMENT LIST CAR-2165-B-032
 - FLOW DIAGRAM LEGEND CAR-2165-B-041
 - FLOW DIAGRAM AND MONITOR CAR-2165-B-042

**APPROVED
FOR
CONSTRUCTION**

THIS DRAWING IS A REPRESENTATION OF THE CONCEPTUAL DESIGN FOR THE...
REV. NO. 1622842-125 104...
(SHEET FILE NO. 125-125A-4-2.1)
NO-116 HAS BEEN ALTERED, AS NECESSARY, FOR THE 1/2" DIA. BANG'S NUCLEAR POWER PLANT.

CAROLINA POWER & LIGHT COMPANY
SHEARD HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM
COMPONENT COOLING WATER SYSTEM
SHEET 1

ISSUANCE SERVICES INCORPORATED
DATE: 7-7-79
DRAWN BY: [Signature]
CHECKED BY: [Signature]
APPROVED BY: [Signature]
SCALE: [Blank]
SHEET: 1 OF 1
CAR-2165
G-819

(CONT. @ N-15)

15	REV	INCORPORATED IN THIS REVISION!	DATE	BY	CHK	APP
14	REV	INCORPORATED FOR... (T)				
13	REV	INCORPORATED FOR... (T)				
12	REV	INCORPORATED FOR... (T)				
11	REV	INCORPORATED FOR... (T)				

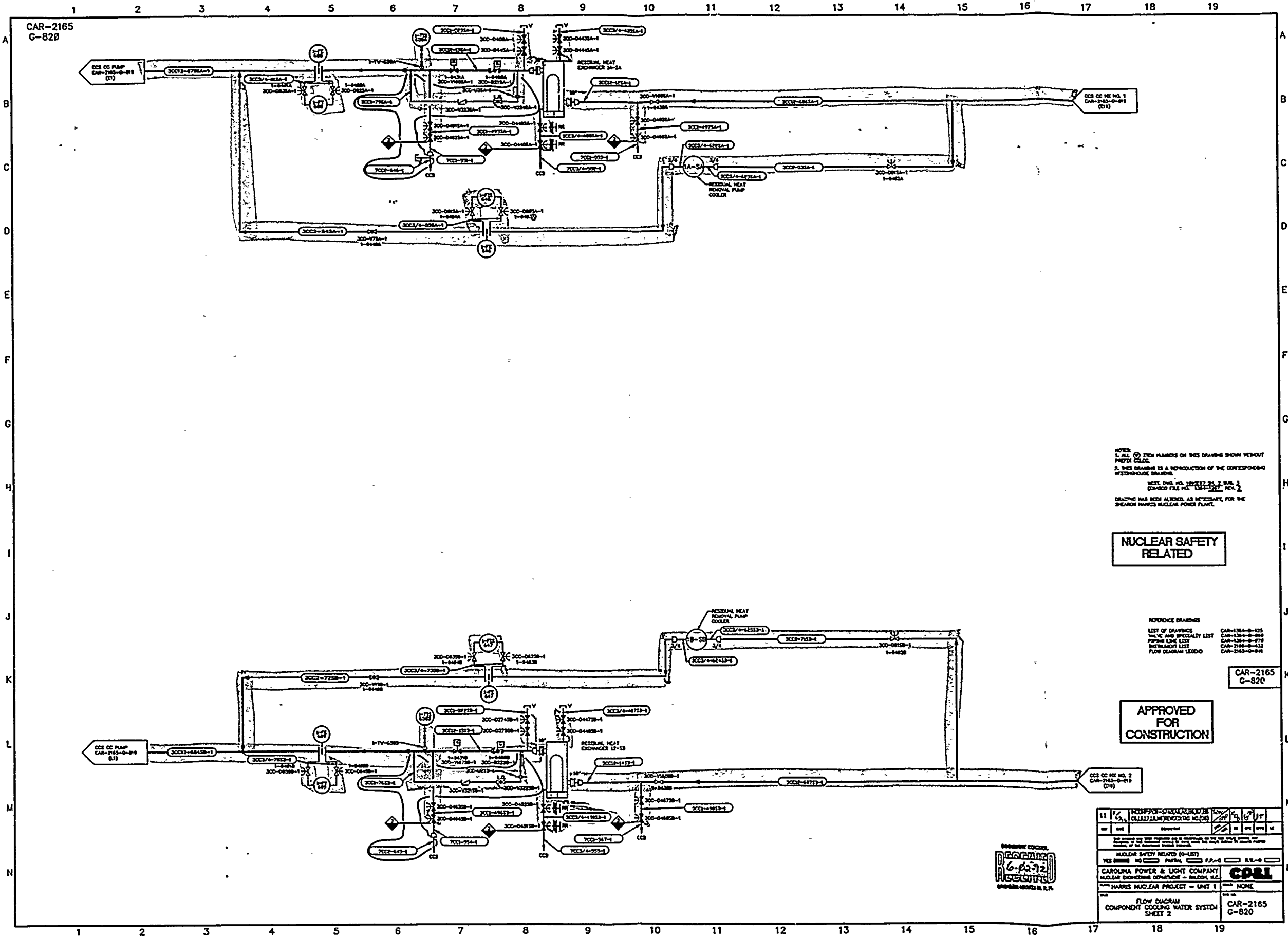
22	REV	INCORPORATED IN THIS REVISION!	DATE	BY	CHK	APP
20	REV	INCORPORATED IN THIS REVISION!				
19	REV	INCORPORATED IN THIS REVISION!				
18	REV	INCORPORATED IN THIS REVISION!				
17	REV	INCORPORATED IN THIS REVISION!				
16	REV	INCORPORATED IN THIS REVISION!				

9802030017-38

CONFIDENTIAL

NO SPREADSHEET
BY: [illegible]

CAR-2165
G-820



NOTE:
1. ALL PIPING SYMBOLS ON THIS DRAWING SHOWN WITHOUT PREFIX CODE.
2. THIS DRAWING IS A REPRODUCTION OF THE CORRESPONDING PIPING SYMBOLS.
SEE THE FILE NO. 15-117, REV. 2
(30-000 FILE NO. 15-117, REV. 2)
DRAWING HAS BEEN ALLOWED AS NECESSARY FOR THE DESIGN PURPOSES HULLER POWER PLANT.

NUCLEAR SAFETY RELATED

REFERENCE DRAWINGS
LIST OF DRAWINGS CAR-1364-0-125
VALVE AND SPECIALTY LIST CAR-1364-0-088
PIPING LINE LIST CAR-1364-0-078
INSTRUMENT LIST CAR-1364-0-042
FLOW DIAGRAM LEGEND CAR-2165-0-041

CAR-2165
G-820

APPROVED FOR CONSTRUCTION



NO.	REV.	DESCRIPTION	DATE	BY	CHKD.
NUCLEAR SAFETY RELATED (S-157) YES <input type="checkbox"/> NO <input type="checkbox"/> PARTIAL <input type="checkbox"/> P.P.-6 <input type="checkbox"/> S.E.-6 <input type="checkbox"/>					
CAROLINA POWER & LIGHT COMPANY NUCLEAR ENGINEERING DIVISION - WELDON, N.C.					
HARRIS NUCLEAR PROJECT - UNIT 1					
FLOW DIAGRAM COMPONENT COOLING WATER SYSTEM SHEET 2					CAR-2165 G-820

ANSTEC APERTURE CARD

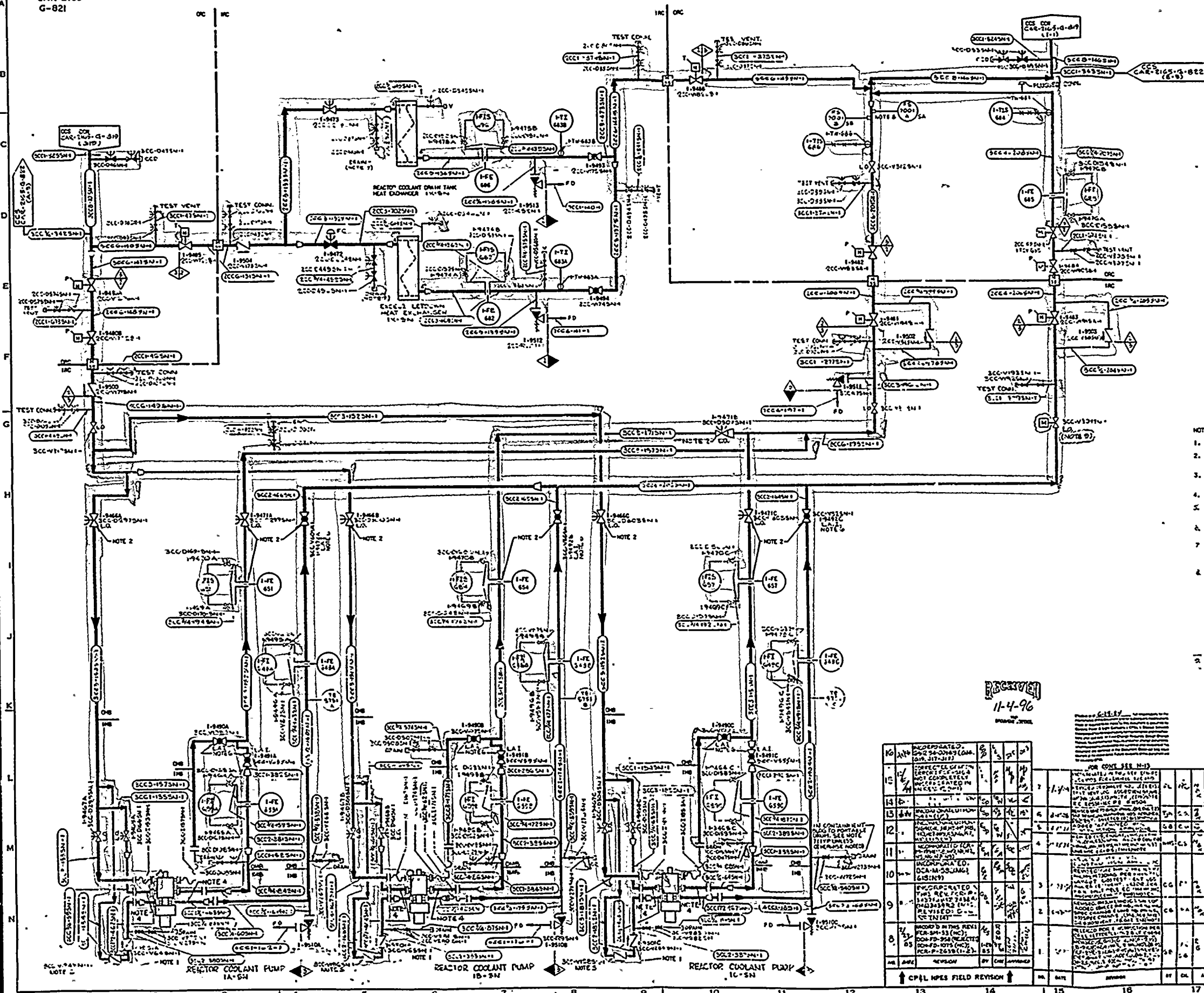
Also Available on Aperture Card

9802030017-39

1954
MAY 10
1954

Abeyaratne
and Associates

CAR-2165
G-821



ANSTEC APERTURE CARD

Also Available on
Aperture Card

- NOTES:
1. SPRING LOADED CHECK VALVE.
 2. LOCATE IN ANNULAR RING BETWEEN SECONDARY SHIELD AND CONTAINMENT WALL.
 3. ALL O-DIMENSIONS ON THIS DRAWING ARE SHOWN IN BOUT PREFIX COLLOC.
 4. LOCATE SPOOL PIECES CLOSE TO PUMP FOR MAINTENANCE.
 5. VALVE BODY INSTALLED WITH INTERNALS REMOVED.
 6. VALVES TO BE LOCATED IN THROTTLED POSITION FOR FLOW BALANCING.
 7. PUMP SHAFTS HAVE CONTAINMENT BELLWIS, NEAR BY EACH SHAFT DRIVE AND EXCEPT BOTTOM MT BEHIND BELLWIS DRIVE TO BE USED FOR PORTABLE DRAIN PIPE OPERATIONS.
 8. FLOW SWITCHES (FSS) SHALL BE LOCATED (PREFERABLY) 10' FROM PUMP AND 10' FROM EACH END OF EACH PIPE. THEY SHALL HAVE 1" TO 1.5" DIA OF STRAIGHT PIPE UPSTREAM & TO 5" DIA OF STRAIGHT PIPE DOWNSTREAM (SHOWN BELOW).
- REFERENCE DRAWINGS
- | | |
|--------------------------|----------------|
| LIST OF DRAWINGS | CAR-1300-B-125 |
| VALVE AND SPECIALTY LIST | CAR-1300-B-059 |
| PIPE LINE LIST | CAR-1300-B-070 |
| INSTRUMENT LIST | CAR-2165-B-032 |
| FLOW DIAGRAM LEGEND | CAR-2165-G-041 |
- VALVE BODY HAS NO POWER, COULDS TO IT AND WOULD BE USED MANUALLY ONLY.

RECEIVED
11-4-96

NUCLEAR SAFETY RELATED

APPROVED
FOR
CONSTRUCTION

CAR-2165
G-821

THIS DRAWING IS A REPRESENTATIVE OF THE CONCEPTS OF THE DESIGN AND NOT A CONTRACT DOCUMENT. IT IS SUBJECT TO THE PROVISIONS OF SECTION 9 OF THE CONTRACT AND SHALL BE USED ONLY FOR INFORMATIONAL PURPOSES. ANY CHANGES SHALL BE INCORPORATED DATED SEPTEMBER 1, 1994.

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM
COMPONENT COOLING WATER SYSTEM

ESBARCO SERVICES INCORPORATED

SCALE NONE
DATE 7-7-77
DRAWN BY [Signature]
CHECKED BY [Signature]
APPROVED BY [Signature]
DATE 7-7-77
CPL HOPES FIELD REVISION

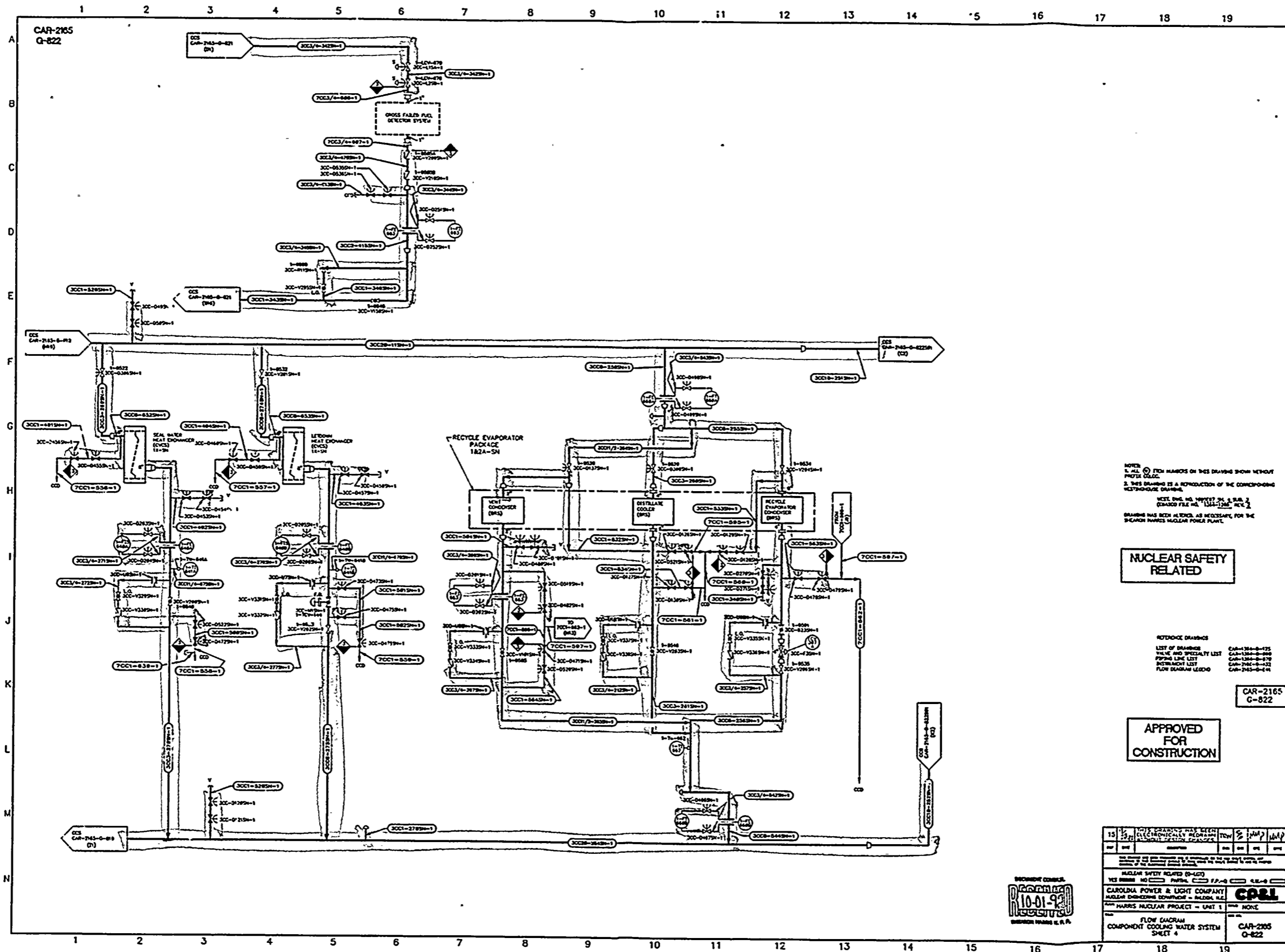
NO	REV	DESCRIPTION	DATE	BY	CHK	APP	DATE	BY	CHK	APP
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6	1	INCORPORATED PER 2165-G-041 (REV. 11-17-77)	11-17-77	[Signature]	[Signature]	[Signature]	11-17-77	[Signature]	[Signature]	[Signature]
5	1	INCORPORATED PER 2165-G-041 (REV. 11-17-77)	11-17-77	[Signature]	[Signature]	[Signature]	11-17-77	[Signature]	[Signature]	[Signature]
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**ANSTEC
APERTURE
CARD**

Also Available on
Aperture Card

NOTES:
1. ALL ITEM NUMBERS ON THIS DRAWING SHOW WITHOUT PREFIX CODE.
2. THIS DRAWING IS A REPRODUCTION OF THE CORRESPONDING XEROGRAPHIC DRAWING.
NOTE: THIS IS A REPRODUCTION OF THE ORIGINAL DRAWING. IT IS NOT A COPY OF THE ORIGINAL DRAWING.
DRAWING HAS BEEN REPRODUCED AS NECESSARY FOR THE SEARCH PANELS NUCLEAR POWER PLANT.

**NUCLEAR SAFETY
RELATED**

NOTE: DRAWING
LIST OF DRAWINGS
VALVE AND SPECIALTY LIST
PIPING LINE LIST
INSTRUMENT LIST
FLOW DIAGRAM LEGEND

CAR-2165
G-822

**APPROVED
FOR
CONSTRUCTION**

15	16	17	18	19
15	16	17	18	19
NUCLEAR SAFETY RELATED (S-10) YES NONE NO PARTIAL P.P.-8 4.2-8 CAROLINA POWER & LIGHT COMPANY NUCLEAR ENGINEERING COMPANY - WELLS, N.C. HARRIS NUCLEAR PROJECT - UNIT 1 NONE				
FLOW DIAGRAM COMPONENT COOLING WATER SYSTEM SHEET 4				CAR-2165 G-822



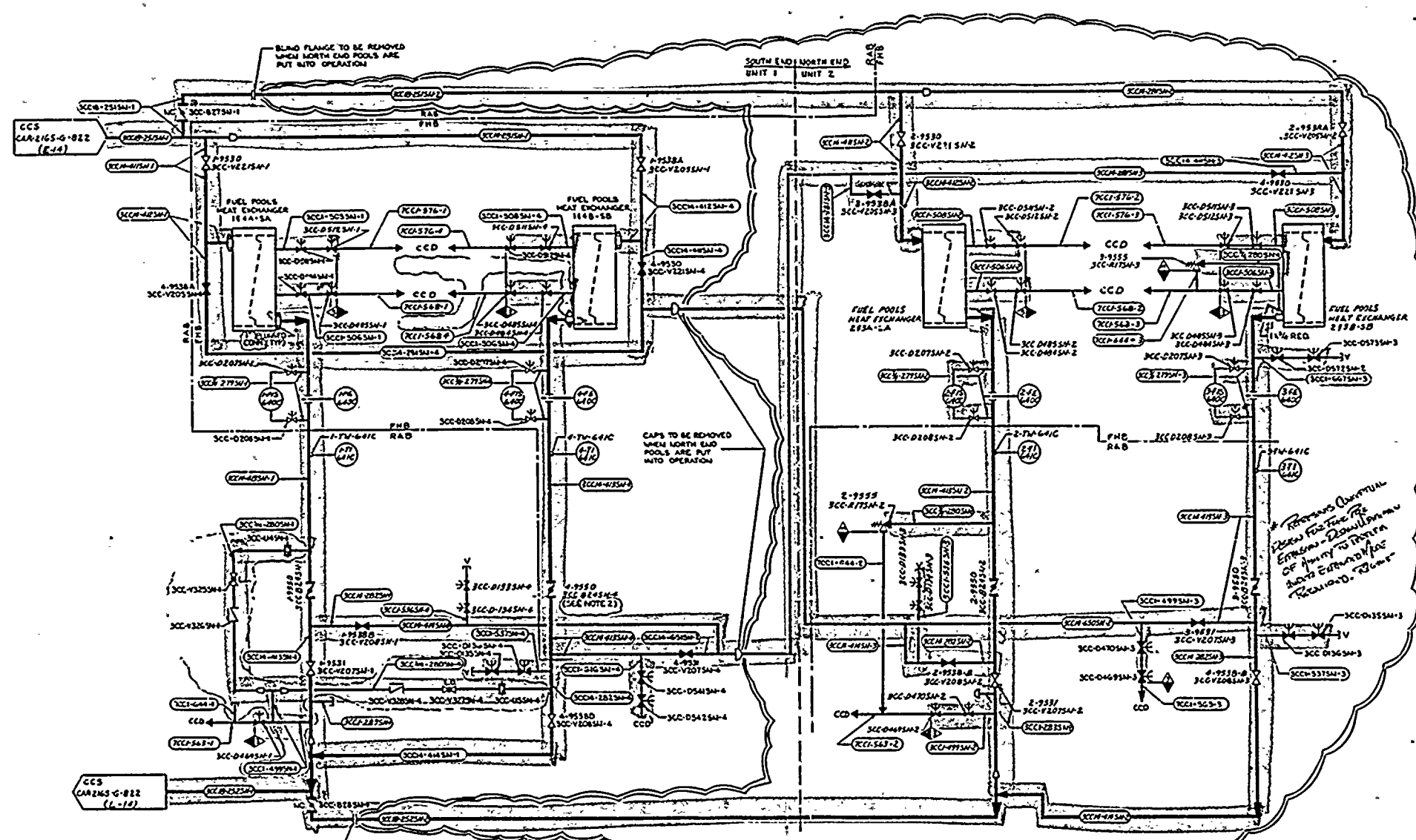
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OFFICE
OF THE
SECRETARY
OF THE
TREASURY

WASHINGTON
D. C.

CAR-2165
G-822 S01

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HOLD

ANSTEC APERTURE CARD

REFERENCE DRAWINGS
LIST OF DRAWINGS
VALVE SPECIALTY LIST
PIPING LINE LIST
INSTRUMENT LIST
FLOW DIAGRAM LEGEND

CAR-134 B-25
CAR-134 B-26
CAR-134 B-27
CAR-134 B-28
CAR-134 B-29
CAR-134 B-30
CAR-134 B-31
CAR-134 B-32
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CAR-134 B-93
CAR-134 B-94
CAR-134 B-95
CAR-134 B-96
CAR-134 B-97
CAR-134 B-98
CAR-134 B-99
CAR-134 B-100

NOTES:
1. ALL GREEN NUMBERS ON THIS Dwg. SHOWN WITHOUT PARFIS - COL CC.
2. VALVE Dwg. HAS 25% DISTANCE FOR 5% TYPICAL OVER PRESS. PROTECTION.

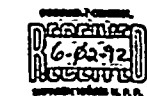


APPROVED FOR CONSTRUCTION

CAR-2165
G-822 S01

NUCLEAR SAFETY RELATED

THIS DRAWING IS A REPRODUCTION OF THE CORRESPONDING WESTINGHOUSE DRAWING.
WEST. Dwg. NO. 1005687, SHEET 500, 2 (EASCO FILE NO. 134-1222, REV. 2.)
DRAWING HAS BEEN ALTERED, AS NECESSARY, FOR THE SHEARON HARRIS NUCLEAR POWER PLANT.



CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM COMPONENT COOLING WATER SYSTEM SHEET 5

NO.	DATE	REVISION	BY	CHK	APP	REV. MECH.	REV. ELEC.	REV. INSTR.	REV. PIPING	REV. INSTR.	REV. PIPING	REV. INSTR.	REV. PIPING
4		INCORPORATED FOR SING. Dwg. 6-82-92 (1-1)											
3		INCORPORATED IN THIS REV. 6-82-92 (1-1)											
2		INCORPORATED DCA-11-G22 (AS CIRCLED)											
1		INCORPORATED IN THIS REV. 6-82-92 (1-1)											

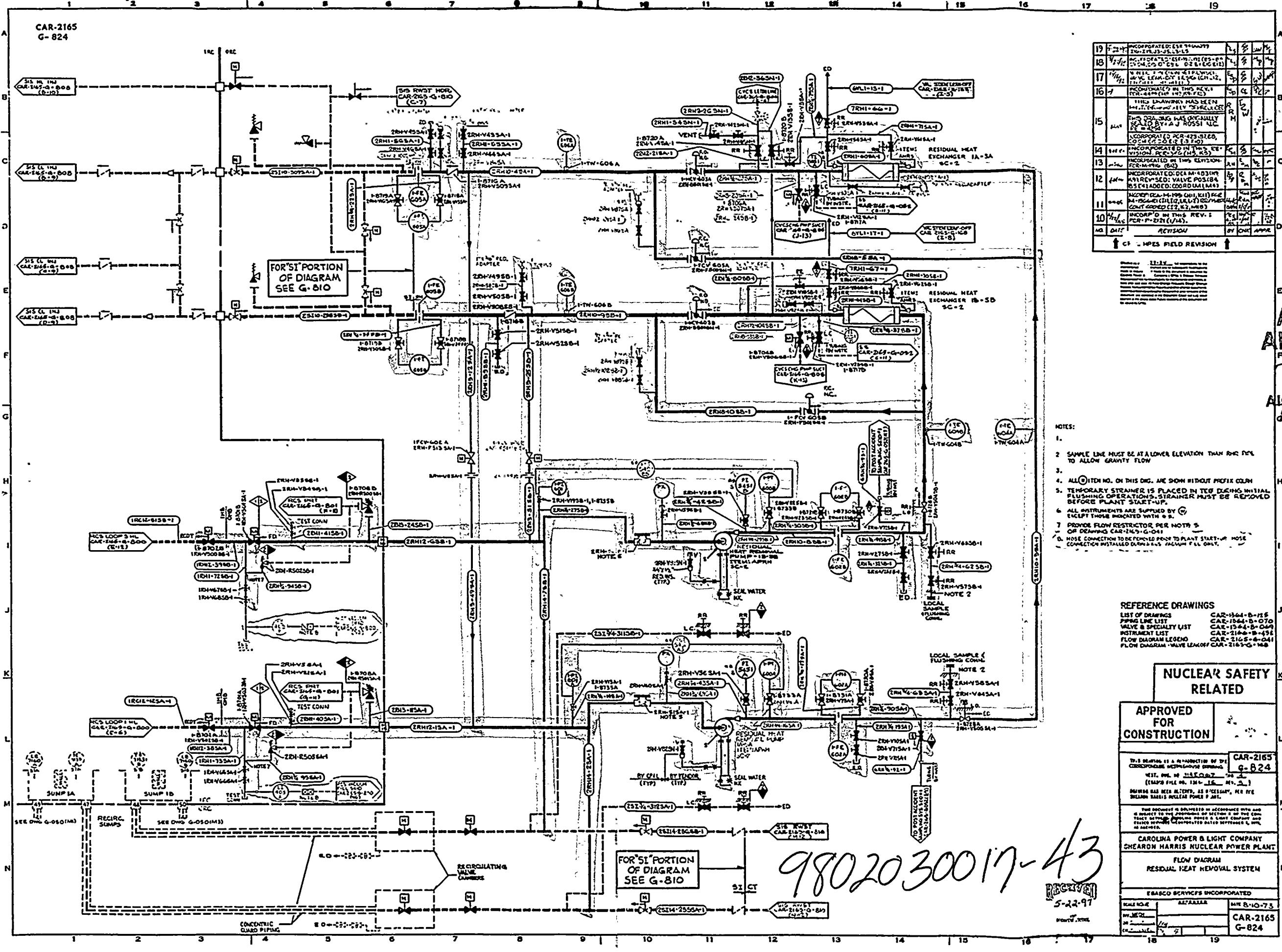
DESIGNED BY
CHECKED BY
DATE
REV. MECH.
REV. ELEC.
REV. INSTR.
REV. PIPING

9802030017-42

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OFFICE
OF THE
ATTORNEY GENERAL

STATE OF
NEW YORK



NO.	DATE	REVISION	BY	CHKD	APPV.
19	7-27-67	INCORPORATED THESE QUANTITIES	JL	JK	JL
18	7-27-67	INCORPORATED THESE QUANTITIES	JL	JK	JL
17	7-27-67	INCORPORATED THESE QUANTITIES	JL	JK	JL
16	7-27-67	INCORPORATED THESE QUANTITIES	JL	JK	JL
15	7-27-67	THIS DRAWING HAS BEEN REVISED TO REFLECT THE DESIGN AS APPROVED BY THE DESIGN ENGINEER (JL) ON 7-27-67.	JL	JK	JL
14	7-27-67	INCORPORATED IN THIS REVISION THE REVISIONS AND COMMENTS FROM THE DESIGN ENGINEER (JL) ON 7-27-67.	JL	JK	JL
13	7-27-67	INCORPORATED IN THIS REVISION THE REVISIONS AND COMMENTS FROM THE DESIGN ENGINEER (JL) ON 7-27-67.	JL	JK	JL
12	7-27-67	INCORPORATED IN THIS REVISION THE REVISIONS AND COMMENTS FROM THE DESIGN ENGINEER (JL) ON 7-27-67.	JL	JK	JL
11	7-27-67	INCORPORATED IN THIS REVISION THE REVISIONS AND COMMENTS FROM THE DESIGN ENGINEER (JL) ON 7-27-67.	JL	JK	JL
10	7-27-67	INCORPORATED IN THIS REVISION THE REVISIONS AND COMMENTS FROM THE DESIGN ENGINEER (JL) ON 7-27-67.	JL	JK	JL
9	7-27-67	INCORPORATED IN THIS REVISION THE REVISIONS AND COMMENTS FROM THE DESIGN ENGINEER (JL) ON 7-27-67.	JL	JK	JL

- NOTES:
1. SAMPLE LINE MUST BE AT A LOWER ELEVATION THAN RHC PIPE TO ALLOW GRAVITY FLOW
 2. ALL OTHER NO. ON THIS DNG. ARE SHOWN WITHOUT PREFIX COLUMN
 3. TEMPORARY STRAINER IS PLACED IN THE DURING INITIAL FLUSHING OPERATIONS. STRAINER MUST BE REMOVED BEFORE PLANT START-UP.
 4. ALL INSTRUMENTS ARE SUPPLIED BY C. EXCEPT THOSE INDICATED WITH O.S.
 5. PROVIDE FLOW RESTRICTOR PER NOTE 5 OF DRAWING CAR-2165-G-041
 6. HOSE CONNECTION TO BE REMOVED FROM THIS PLANT START-UP. HOSE CONNECTION INSTALLED DURING THIS PLANT START-UP. HOSE CONNECTION TO BE REMOVED FROM THIS PLANT START-UP. HOSE CONNECTION INSTALLED DURING THIS PLANT START-UP.

REFERENCE DRAWINGS

LIST OF DRAWINGS	CAR-1564-B-125
PUMP LINE LIST	CAR-1564-B-070
VALVE & SPECIALTY LIST	CAR-1564-B-049
INSTRUMENT LIST	CAR-2165-B-491
FLOW DIAGRAM LEGEND	CAR-2165-B-041
FLOW DIAGRAM - VALVE LEAKOFF	CAR-2165-C-168

NUCLEAR SAFETY RELATED

APPROVED FOR CONSTRUCTION

THIS DRAWING IS A REPRESENTATION OF THE CORRESPONDING INSTRUMENTATION DRAWING. THE FILE NO. IS CAR-2165-G-824 (ISSUED FILE NO. 134-16 REV. 5.1)

REVISIONS HAS BEEN MADE, AS NECESSARY, PER THE DESIGN BASIS NUCLEAR POWER PACT.

THIS DOCUMENT IS PROVIDED IN ACCORDANCE WITH AND SUBJECT TO THE PROVISIONS OF SECTION 2 OF THE COMMERCE ACT, 1930, AS AMENDED, AND THE COMMERCE REGULATIONS THEREUNDER.

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM
RESIDUAL HEAT REMOVAL SYSTEM

EGASCO SERVICES INCORPORATED

SCALE: AS SHOWN

DATE: 5-22-97

CAR-2165
G-824

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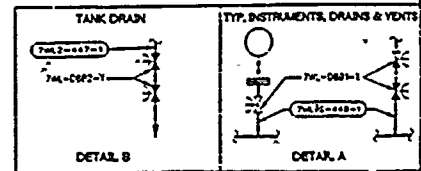
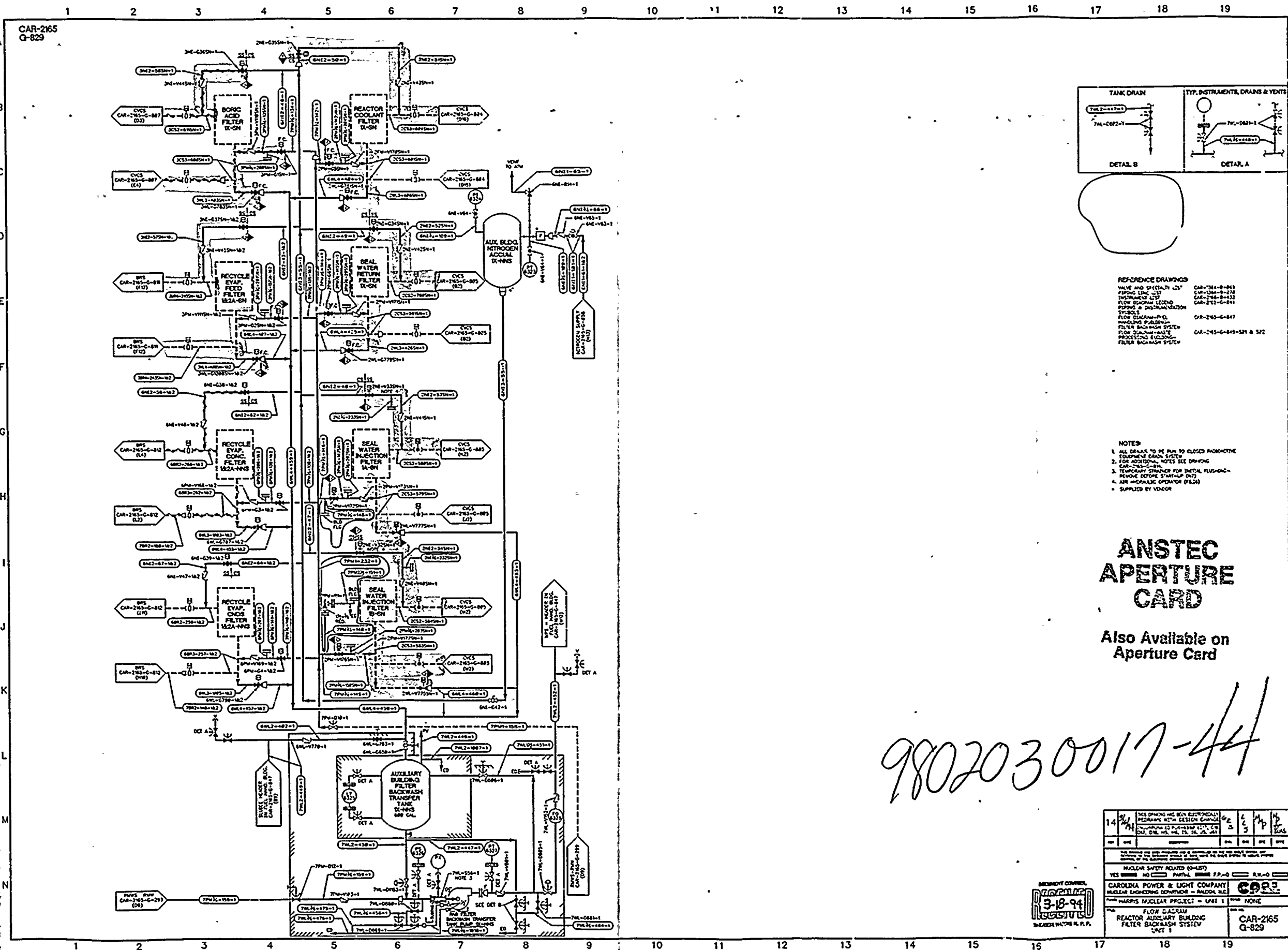
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- REFERENCE DRAWINGS
- VALVE AND SPECIALTY LIST CAR-2165-B-813
 - PIPEWORK LIST CAR-2165-B-814
 - INSTRUMENT LIST CAR-2165-B-815
 - FLOW DIAGRAM LEGEND CAR-2165-B-816
 - PIPEWORK & INSTRUMENTATION SYMBOLS CAR-2165-B-817
 - FLOW DIAGRAM P&ID CAR-2165-G-847
 - HANDLING FOLDERS CAR-2165-G-848
 - FILTER BACKWASH SYSTEM CAR-2165-G-849-851 & 852
 - PROCESSING BUILDING CAR-2165-G-849-851 & 852
 - FILTER BACKWASH SYSTEM

- NOTES
- ALL DRAWS TO BE RUN TO CLOSED RADIOACTIVE EQUIPMENT CASES.
 - FOR ADDITIONAL NOTES SEE DRAWING CAR-2165-G-848.
 - TEMPORARY STRAINER FOR INITIAL FLUSHING - REMOVE BEFORE START-UP.
 - AIR - HYDRAULIC OPERATOR (F&S)
 - SUPPLIED BY VENDOR

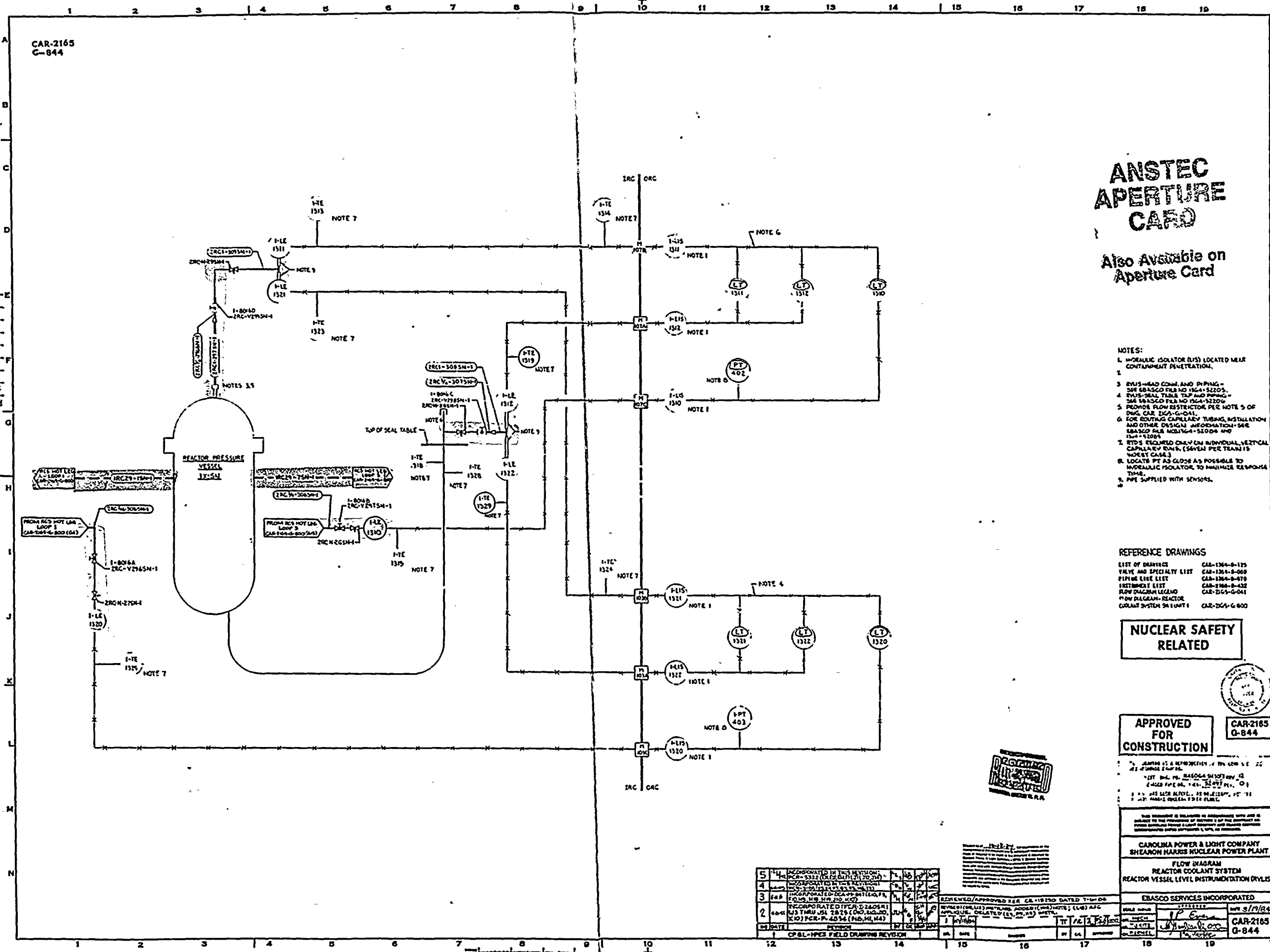
ANSTEC APERTURE CARD

Also Available on Aperture Card

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14	YES	THIS DRAWING HAS BEEN ELECTRONICALLY PREPARED WITH DESIGN CHECKS	0	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
<p>NUCLEAR SAFETY RELATED (S-157)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> PARTIAL <input type="checkbox"/> F.P.-0 <input type="checkbox"/> R.M.-0 <input type="checkbox"/></p> <p>CAROLINA POWER & LIGHT COMPANY NUCLEAR ENGINEERING DEPARTMENT - WALTON, N.C. WALTERS NUCLEAR PROJECT - UNIT 1</p> <p>DATE: 3-18-94</p> <p>FLOW DIAGRAM REACTOR AUXILIARY BUILDING FILTER BACKWASH SYSTEM SHEET 1</p> <p>CAR-2165 Q-829</p>																					

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CONFIDENTIAL



ANSTEC APERTURE CARD

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- NOTES:**
1. MODULAR ISOLATOR (I/S) LOCATED NEAR CONTAINMENT PENETRATION.
 2. I/S HEAD CONN. AND PIPING - SEE SBASCO P&ID 15CA-3220.
 3. I/S SEAL TABLE TAP AND PIPING - SEE SBASCO P&ID 15CA-3220.
 4. PROVIDE FLOW RESTRICTOR PER NOTE 5 OF DRG. CAR. 2165-G-041.
 5. FOR ROUTING CAPILLARY TUBING, INSTALLATION AND OTHER DESIGN INFORMATION - SEE SBASCO P&ID 15CA-3220 AND 15CA-3209.
 6. I/S'S REQUIRED ONLY ON INDIVIDUAL VERTICAL CAPILLARY RUNS, (SEVEN PER TRAIN) IS WORST CASE.
 7. LOCATE I/S AS CLOSE AS POSSIBLE TO MODULAR ISOLATOR, TO MINIMIZE RESPONSE TIME.
 8. PIPE SUPPLIED WITH SENSORS.

- REFERENCE DRAWINGS**
- | | |
|---|----------------|
| LIST OF DRAWINGS | CAR-1364-B-125 |
| VALVE AND SPECIALTY LIST | CAR-1364-B-009 |
| PIPELINE LIST | CAR-1364-B-070 |
| INSTRUMENT LIST | CAR-2165-B-432 |
| FLOW DIAGRAM LEGEND | CAR-2165-G-041 |
| FLOW DIAGRAM - REACTOR COOLANT SYSTEM SH-1 UNIT 1 | CAR-2165-G-600 |

NUCLEAR SAFETY RELATED

APPROVED FOR CONSTRUCTION



CAR-2165 G-844

THIS DOCUMENT IS BELONGS TO AND IS LOANED TO THE CONTRACTOR BY THE PROJECT OWNER. IT IS TO BE USED ONLY FOR THE PROJECT AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM
REACTOR COOLANT SYSTEM
REACTOR VESSEL LEVEL INSTRUMENTATION (DRLS)

NO.	DATE	REVISION	BY	CHKD.	APP'D.
5	11/14/84	INCORPORATED IN THIS REVISION - PER 1532 (D) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)			
4	11/14/84	INCORPORATED IN THIS REVISION - PER 1532 (D) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)			
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1	11/14/84	ORIGINAL DESIGN			

REVIEWED/APPROVED PER CA-11970 DATED 7-11-84

DATE: 11/14/84

BY: [Signature]

CHKD.: [Signature]

APP'D.: [Signature]

PROJECT: CP&L-HPCS FIELD DRAWING REVISION

DATE: 11/14/84

BY: [Signature]

CHKD.: [Signature]

APP'D.: [Signature]

PROJECT: CP&L-HPCS FIELD DRAWING REVISION

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