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NRC-92-144

December 22, 1992

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U.S. NUCLEAR REGULATORY COMMISSION  
Mail Station P1-137  
Washington, DC 20555

Gentlemen:

DOCKETS 50-266 AND 50-301  
CLASSIFICATION OF AUXILIARY SYSTEMS NECESSARY  
TO ASSURE SAFE PLANT SHUTDOWN AT  
POINT BEACH, UNITS 1 AND 2

In the letter from Mr. Anthony T. Gody, Jr., of your staff, dated November 16, 1992, the Nuclear Regulatory Commission requested Wisconsin Electric Power Company (WE) to provide information related to the Component Cooling Water (CCW) System and the Chemical and Volume Control System (CVCS) at our Point Beach Nuclear Plant.

The information request transmitted in the November 16, 1992, letter is based on discussions between the NRC and WE following NRC staff review of Licensee Event Report (LER) 92-002-00, dated September 28, 1992, with respect to the provisions of NRC Generic Letter 83-10, "Required Actions Based on Generic Implications of Salem ATWS (Anticipated Transients Without Scram) Event," and the NRC staff's safety evaluation for Point Beach Units 1 and 2, dated July 15, 1970.

LER 92-002-00 discussed two valves, LW-63 and LW-64, in the CCW system that were identified as not fully meeting their intended design basis. LW-63 and LW-64 are air-operated butterfly valves required to isolate the non-QA/seismic Class III portion of the CCW system associated with the radioactive waste processing system from the QA/Seismic Class I portion of the CCW system for the purpose of ensuring containment integrity. During review of a plant modification designed to facilitate leak testing of the LW-63 and LW-64 valves, we determined that these valves were not qualified to perform their intended safety function.

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The Point Beach safety evaluation states, in part, that the CCW system and CVCS are necessary to assure safe plant shutdown. The NRC staff's position on safety-related classification is contained in Generic Letter 83-28. The position states that "structures, systems, and components relied upon to remain functional during and following design basis events to ensure: (1) the integrity of the reactor coolant system boundary, (2) the capability to shut down the reactor and maintain it in a safe shutdown condition, and (3) the capability to prevent or mitigate the consequences of accidents that could result in potential off-site exposures comparable to the guidelines of 10 CFR Part 100 shall be classified as safety-related."

Our responses to the NRC staff's information request regarding the CCW system and CVCS at Point Beach are included in attachments to this letter. Please contact us should you have any questions or require additional information.

Sincerely,



Bob Link  
Vice President  
Nuclear Power

MFB/jg

cc: NRC Regional Administrator, Region III  
NRC Resident Inspector

ATTACHMENT 1  
DOCKETS 50-266 AND 50-301  
CLASSIFICATION OF AUXILIARY SYSTEMS NECESSARY TO ASSURE  
SAFE PLANT SHUTDOWN AT POINT BEACH, UNITS 1 AND 2

Request #1

Provide your current definition and basis of "nuclear safety-related."

Response

The current definition of nuclear safety-related used at PBNP and as stated in the Nuclear Power Department's Quality Assurance Policy Manual, Appendix B is:

"Safety-related structures, systems, and components are those that are relied upon to remain functional during and following design basis events to ensure:

- 1) The integrity of the reactor coolant boundary.
- 2) The capability to shut down the reactor and maintain it in a safe shutdown condition.
- 3) The capability to prevent or mitigate the consequences of accidents that could result in potential off-site exposures comparable to the guidelines of 10 CFR Part 100."

This definition of nuclear safety-related was approved by the PBNP Manager's Supervisory Staff (MSS) on November 7, 1989. The basis for this definition is Generic Letter 83-28, "Required Actions Based on Generic Implications of Salem ATWS (Anticipated Transient Without Scram) Events," and is identical to the NRC-endorsed definition stated in that document.

Throughout this document we use the terms "QA-scope" (a quality classification term) and "safety-related" (a functional classification term). "QA-scope" is used to describe how a given item is treated with respect to Wisconsin Electric Nuclear Power Department procedures and policies (i.e., procurement, maintenance, modifications, etc.). "Safety-related" refers to the function a given structure, system, component, or part performs. An item identified as performing a "safety-related" function is also included in the "QA-scope" classification.

Request #2

State the current classification of the CVCS and CCW system at the component level and the basis for these classifications. Include the dates when these classifications were assigned.

Response

Attachment 2 includes simplified drawings of both the CVCS and CCW system identifying those portions of the systems that are classified as safety-related or QA-scope. Attachment 3 includes the current equipment listings for these systems identifying, by component, the current safety-related and QA-scope classifications.

Component Cooling Water System

Classification Basis

The following discussion describes the safety-related and non-safety-related functions served by CCW.

Safety-Related Functions Served by CCW System:

- 1) Providing cooling to the following heat exchangers is classified as a safety-related function.
  - a) Residual Heat Removal Pumps Seal Water Heat Exchangers  
  
CCW system is used to remove heat from the RHR pump seals to allow for long-term operation when the system is in the containment sump recirculation mode post-accident.
  - b) Safety Injection Pump Seal Water Heat Exchangers  
  
CCW system is used to remove heat from the SI pump seals to allow for long-term operation when the system is in the containment sump recirculation mode post-accident.
  - c) Containment Spray Pump Seal Water Heat Exchangers  
  
CCW system is used to remove heat from the SI pump seals to allow for long-term operation when the system is in the containment sump recirculation mode post-accident.



- 2) The CCW system pressure boundary provides the redundant containment isolation barrier outside of containment. Containment isolation provisions for the CCW system are discussed in Response #4.

Non-Safety-Related Functions Served by CCW System:

- 1) CCW Cooling to the Residual Heat Removal Heat Exchangers

The RHR heat exchangers provide core and containment cooling during the safety injection recirculation mode following an accident (FSAR 6.2-11). Until recently, this function has been considered non-safety-related because the containment fan coolers, which are service water cooled, were considered the safety-related heat sinks for long-term removal of post-loss of coolant accident decay heat. However, all components and piping associated with this function are QA-scope and safety-related because they are relied upon to maintain a closed CCW system outside containment. The upgrade of this system to safety-related is in progress and is discussed in Response #3.

- 2) The CCW cooling function to the following equipment is currently classified as non-safety-related. However, the CCW piping and components associated with this equipment constitute the CCW closed system outside of containment and are currently being upgraded to safety-related. One exception to this upgrade is Item j, the radwaste system component cooling water (Unit 2), which is being provided with automatic isolation valves.
  - a) Boric Acid Evaporators
  - b) Boric Acid Evaporator Distillate Cooler Heat Exchangers
  - c) Reactor Coolant Pump Seal Water Heat Exchangers
  - d) Primary Sample Heat Exchangers
  - e) Steam Generator Blowdown Sample Heat Exchangers
  - f) Non-Regenerative Heat Exchangers
  - g) Waste Gas Seal Water Heat Exchangers
  - h) Waste Evaporator Heat Exchangers

- i) Waste Evaporator Distillate Coolers
  - j) Radwaste Systems Component Cooling Water (Unit 2 only).
- 3) The CCW cooling function to the following equipment inside containment is currently classified as non-safety-related.
- a) Reactor Coolant Pump Motor Oil Coolers
  - b) Reactor Coolant Pump Lower Bearing Coolers
  - c) Excess Letdown Heat Exchangers
- 4) Until recently, the CCW cooling function to the following equipment inside containment had been considered non-safety-related. However, we are upgrading this function to safety-related because it assists in maintaining RCP seal integrity as discussed in Response #3.

Reactor Coolant Pump Thermal Barrier.

#### Classification History of CCW Components

The CCW system components associated with cooling the Safety Injection (SI), Containment Spray (CS), and Residual Heat Removal (RHR) pump seals and the RHR heat exchangers have always been classified as QA-scope. In 1980, the CCW containment isolation valves and penetrations were classified as QA-scope and placed under control of our QA program. However, at that time we did not extend the QA-scoping classification to include the entire CCW closed system outside of containment. In 1989, the portions of the CCW system inside the containments were brought under the control of our QA program by reclassifying them as QA-scope. In September 1991, all CCW components that were under the control of the QA program were formally reclassified as safety-related.

#### Chemical and Volume Control System

##### Classification Basis

The Chemical Volume and Control System presently performs eight plant functions. The following discussion describes the safety-related and non-safety-related functions served by CVCS.

CVCS Safety-Related Function:

Containment pressure boundary.

The CVCS pressure boundary provides the redundant isolation barrier outside of containment and is presently the only safety-related function associated with the CVCS. Containment isolation provisions for CVCS are discussed in Response #

CVCS Non-Safety-Related Functions:

- 1) Adjust Boron Concentration in the RCS for Reactivity Control

The use of charging and letdown to control the level of boric acid in the RCS is currently classified as non-safety-related. Although this function is non-safety-related, the components associated with it were reclassified as QA-scope in 1980. Chapter 9 of the PBNP FSAR also identifies this function of the CVCS as backup reactivity capability, independent of the control rod clusters.

- 2) Maintain RCS Inventory

During normal unit operation, CVCS charging and letdown are used to maintain the inventory level of the RCS. Although this function is presently classified as non-safety-related, components associated with both charging and auxiliary charging have always been classified as QA-scope. Chapter 14 of the PBNP FSAR discusses the ability of charging to maintain the RCS inventory for very small breaks (i.e., less than 3/8").

- 3) Provide RCP Seal Water Flow

A portion of the charging flow is used to cool and lubricate the RCP shaft seals. Although this function is non-safety-related, the components associated with it were reclassified as QA-scope in 1980.

- 4) Process RCS Letdown

Processing of reactor coolant letdown for reuse or reactor makeup water is not a safety-related function. Although this function is non-safety-related, the components associated with it were reclassified as QA-scope in 1980.

5) Maintain RCS Corrosion Inhibiting Chemical Concentration.

The chemical mixing tanks are used to add chemicals such as lithium hydroxide (for pH control) and hydrazine (for oxygen scavenging) into the RCS. This function is not safety-related and the components solely associated with this function remain classified as non-QA and are normally isolated from the operating CVCS.

6) Maintain Coolant Radioactivity Level within Design Limits

The radioactivity level in the RCS is maintained by chemistry control, operating procedures, and processing in the demineralizer beds during normal operation. Although this function is non-safety-related, the components associated with it were reclassified as QA scope in 1980.

7) Fill and Hydrostatically Test the RCS

This function is not classified as safety-related.

(The RCS inventory and reactivity control functions are currently being evaluated for potential upgrade to safety-related. This evaluation is discussed in Response #3.)

Classification History of CVCS Components

The CVCS was originally scoped as non-QA with the exception of components associated with the RCS charging function. In 1980, the remainder of the CVCS was reclassified as QA-scope with the exception of the chemical mixing system.

The CVCS is currently classified as QA-scope with the exception of the chemical mixing components mentioned previously. CVCS containment isolation valves and penetrations as well as the charging pumps are classified as safety-related. Piping and components associated with the closed system outside of containment are currently in the process of being upgraded to safety-related.



Request #3

Provide a discussion of any CVCS or CCW system or component upgrades to safety-related that are currently planned, including schedules, and when the system deficiency was documented.

Response

Component Cooling Water System

We initiated a CCW system safety-related upgrade as a result of an internal evaluation which was completed on June 26, 1989, and presented to the PBNP Managers Supervisory Staff (MSS) on July 18, 1989. At that time, the evaluation concluded the following:

- 1) The CCW system provides cooling to the seal water coolers of safety-related pumps such as the residual heat removal, safety injection, and containment spray pumps, and therefore, this function is safety-related.
- 2) The CCW system pressure boundary provides one of the redundant containment isolation barriers, and therefore, this function is safety-related.
- 3) CCW system cooling to all other heat loads, including the RHR heat exchangers, is non-safety-related.

Based on these criteria, 17 action items were initiated at the July 18, 1989, MSS Meeting to implement the reclassification of the CCW system as safety-related. As of this date, all action items with the exception of three have been completed.

The three remaining open action items and their current status and schedules are as follows:

- 1) Upgrade the non-QA portions of the CCW system to safety-related and verify Seismic Class I installation or provide automatic isolation.

All components of the CCW system required to support a safety-related function will be classified as safety-related in the PBNP component classification database by January 29, 1993.

Verification of the Seismic Class I installation of the CCW system small-bore piping and miscellaneous heat exchangers will be performed through walkdowns.

Additionally, we are currently completing a modification to the CCW system to add automatic isolation of the non-seismic piping associated with the radioactive waste processing system. This modification was discussed in LER 92-002-00, which was submitted to the NRC on September 28, 1992. The mechanical portion of this modification has been completed along with the automatic isolation control circuit. The automatic isolation provision has been added to correct a design deficiency associated with the requirement for a closed CCW system outside containment. However, the automatic isolation feature will not be activated until electrical interlocks are installed on key components in the radioactive waste processing system. This installation is scheduled for completion by December 31, 1992.

We are also evaluating the addition of a safety-related automatic isolation signal to the component cooling water surge tank vent valve. Currently, this valve is normally open, but will automatically close upon receipt of a signal from a high radiation detector in the CCW pump suction piping. However, the control circuit is scoped as control grade and, therefore, although closure of this valve from a high radiation signal is considered likely, it does not fully satisfy the criteria for a closed system outside containment. LER 92-009-00, dated November 11, 1992, discussed this deficiency and the interim short term corrective actions. The completion date for this evaluation was identified as February 26, 1993.

- 2) Verify the safety-related portion of the CCW system is adequately protected from masonry block wall structures. The verification will involve walkdowns of CCW system piping, instrumentation, and electrical control and power supplies.
- 3) Verify the safety-related portion of the CCW system is adequately protected from non-seismic equipment that may adversely affect the safety-related functions during a seismic event. The verification will involve walkdowns of CCW system piping, instrumentation, and electrical control and power supplies.

Walkdowns are scheduled for completion by December 15, 1993. Following completion of the above action items, we will inform the NRC of any proposed modifications and their implementation schedule.

Based on evaluations of the CCW system initiated in response to LER 92-002 and LER 92-009, the following CCW functions were accepted by the PBNP Managers Supervisory Staff for reclassification to safety-related:

- 1) The CCW cooling function to the RHR heat exchangers for mitigating the consequences of a postulated main steam line break or steam generator tube rupture accident.
- 2) The CCW cooling function to the reactor coolant pump thermal barrier to ensure reactor coolant system integrity.
- 3) The CCW cooling function to the RHR heat exchangers for mitigating the consequences of a postulated loss of coolant accident.

The components necessary to support these additional safety-related functions will be reviewed to ensure they are classified safety-related. We will also identify any actions necessary to upgrade these components to a safety-related classification (e.g., seismic mounting, block wall protection, etc.). This review will be completed and any subsequent actions identified by April 30, 1993. At that time, we will inform the NRC of our schedule for completing these identified additional actions.

#### Chemical and Volume Control System

We initiated an evaluation of the safety-related scope of the CVCS in August 1991 to include the portions of the system that function as a closed boundary outside containment for the purpose of a redundant containment isolation barrier. The PBNP component classification database has been updated to indicate QA-scope for any procurement, maintenance, and modification activities associated with this portion of the system. Based on the results of our ongoing evaluation, we will develop a list of CVCS components required to be reclassified as safety-related and our schedule for completing the upgrade process.

We are also reviewing the following functions of the CVCS to determine whether the current safety-related scoping is appropriate for the design basis of PBNP.

- 1) The CVCS seal water supply to the reactor coolant pumps (RCP), in conjunction with the thermal barrier, normally maintains RCP seal integrity.

Based on evaluations of the CCW system initiated in response to LER 92-002 and LER 92-009, the following CCW functions were accepted by the PBNP Managers Supervisory Staff for reclassification to safety-related:

- 1) The CCW cooling function to the RHR heat exchangers for mitigating the consequences of a postulated main steam line break or steam generator tube rupture accident.
- 2) The CCW cooling function to the reactor coolant pump thermal barrier to ensure reactor coolant system integrity.
- 3) The CCW cooling function to the RHR heat exchangers for mitigating the consequences of a postulated loss of coolant accident.

The components necessary to support these additional safety-related functions will be reviewed to ensure they are classified safety-related. We will also identify any actions necessary to upgrade these components to a safety-related classification (e.g., seismic mounting, block wall protection, etc.). This review will be completed and any subsequent actions identified by April 30, 1993. At that time, we will inform the NRC of our schedule for completing these identified additional actions.

#### Chemical and Volume Control System

We initiated an evaluation of the safety-related scope of the CVCS in August 1991 to include the portions of the system that function as a closed boundary outside containment for the purpose of a redundant containment isolation barrier. The PBNP component classification database has been updated to indicate QA-scope for any procurement, maintenance, and modification activities associated with this portion of the system. Based on the results of our ongoing evaluation, we will develop a list of CVCS components required to be reclassified as safety-related and our schedule for completing the upgrade process.

We are also reviewing the following functions of the CVCS to determine whether the current safety-related scoping is appropriate for the design basis of PBNP.

- 1) The CVCS seal water supply to the reactor coolant pumps (RCP), in conjunction with the thermal barrier, normally maintains RCP seal integrity.



- 2) The PBNP FSAR Chapter 14 accident analyses do not take credit for the CVCS for mitigating the consequences of any design basis accident. However, the FSAR chapter does discuss the ability of charging to maintain RCS inventory for very small breaks (i.e., less than 3/8").
- 3) FSAR Chapter 9 states that backup reactivity shutdown capability, independent of the control rod clusters, is provided by the injection of boric acid using the charging pumps as the prime mover.

This review will be completed by April 30, 1993. Upon completion of our review, we will notify the NRC of identified upgrades and our proposed schedule.

Request #4

Indicate if the systems are considered to be "essential" (NUREG-0737, Item II.E.4.2 and Regulatory Guide 1.141) or not. Include a description of your containment isolation philosophy for these systems.

Response

All containment penetrations were classified in accordance with the guidance in NUREG 0578, Item 2.1.4, "Containment Isolation Provisions For PWRs and BWRs." NUREG 0578, Item 2.1.4, defined essential systems as those systems "that should be selectively isolated only after it is established that use of these systems (essential systems) will not be needed." Non-essential systems are "those systems that should be immediately isolated." No additional guidance for defining a system as essential or non-essential was provided in NUREG 0737, Item II.E.4.2, "Containment Isolation Dependability," or in Regulatory Guide 1.141, "Containment Isolation Provisions for Fluid Systems."

Portions of the CCW system and CVCS are considered essential. That is, portions of these systems are isolated only after it has been determined that the systems are not needed. Non-essential portions of these systems are immediately isolated. For those portions of the CCW system and CVCS that are considered essential, the CCW system and CVCS outside containment are considered closed systems, and therefore, an extension of the containment boundary. See the attached table and associated notes concerning the penetration classifications and specific containment isolation provisions for the CCW system and CVCS.

The containment isolation system for PBNP is described in the Final Safety Analysis Report (FSAR), Section 5.2, "Containment Isolation System." A general discussion of the PBNP containment isolation design follows.

Piping penetrating containment is designed for pressures at least equal to containment design pressure (60 psig). Isolation valves are provided as necessary in lines penetrating containment to assure that no unrestricted release of radioactivity can occur.

In general, isolation of a line outside containment protects against a rupture of a line inside containment concurrent with a loss of coolant accident or closes off a line which communicates with the containment atmosphere in the event of a loss of coolant accident.

Isolation of a line inside containment prevents flow from the reactor coolant system or any other large source of radioactive fluid in the event of a piping rupture outside containment. A piping rupture outside of containment at the same time as a loss of coolant accident is not considered credible since lines penetrating containment are Seismic Class I, up to and including the second isolation barrier, and are assumed to be an extension of containment.

System design is such that no manual operation is required for immediate isolation. This automatic, immediate isolation for each containment penetration is accomplished by the use of automatic trip valves, check valves, normally and administratively closed manual valves, or closed systems. Redundant isolation is provided by manual valves, remotely operated manual valves, or automatic trip valves. Closure of automatic isolation valves is initiated by a containment isolation signal derived from a safety injection signal or by manual operation.

CCW system and CVCS pressure boundaries constitute an isolation barrier outside containment for essential portions of the systems and are considered closed systems, post-accident. For these essential portions of the systems the other isolation barrier outside containment is a manual or remotely operated manual valve.

As discussed in Licensee Event Report 92-002-00, "Radioactive Waste Disposal System Component Cooling Water Isolation Valves Outside Design Basis," dated September 28, 1992, the Unit 2 CCW piping to the radioactive waste processing system is Seismic Class III. Therefore, this portion of the system does not meet the requirements for the containment boundary to be Seismic Class I. Appropriate isolation valves have been installed to isolate the Seismic Class III portion of the piping from the Seismic Class I portion. We had originally planned to provide these isolation valves with an automatic close signal derived from a containment isolation signal in conjunction with a high radiation signal from the CCW system radiation monitor. During the design of this modification, we discovered that the radiation monitor and associated circuitry does not meet the qualification requirements for safety-related components; therefore, the isolation valves will be provided with a containment isolation signal only.

As part of the original plant design, the surge tank vent valve was also provided with an automatic close signal from the CCW radiation monitor. This monitor is intended to detect leakage of radioactive fluid into the CCW system and isolate the surge tank

vent line, thereby establishing the closed system boundary. As discussed in Licensee Event Report 92-009-00, "Component Cooling Water System Surge Tank Vent Valves Outside Design Basis," dated November 11, 1992, an evaluation to determine appropriate corrective action is ongoing. This evaluation is being performed in conjunction with an evaluation of the overall CCW system classification and design.



CCW System and CVCS Penetration Classification

PBNP Penetration Number	Function	Classification	PBNP Penetration Class	Isolation Provisions (Containment)	
				Inside	Outside
10	letdown (CVCS)	nonessential	1	automatic trip valve	automatic trip valve and manual valve
11	excess letdown and seal water return	nonessential	1	automatic trip valve	automatic trip valve and manual valve
15	CCW supply to RCP P-1A	essential	3	check valve	remotely operated valve and closed system
16	CCW supply to RCP P-1B	essential	3	check valve	remotely operated valve and closed system
17	CCW return from RCP P-1A	essential	2	none	remotely operated valve and closed system
18	CCW return from RCP P-1B	essential	2	none	remotely operated valve and closed system
19	CCW supply to excess letdown heat exchanger	nonessential	3	check valve	manual valve and closed system
20	CCW return from excess letdown heat exchanger	nonessential	2	none	automatic trip valve and closed system
26	charging (CVCS)	essential (Note 3)	3	check valve	manual valves and closed system
29a-1	Unit 1 RCP P-1A seal water supply	essential	3	check valve	manual valve and closed system
29a-2	Unit 2 RCP P-1A seal water supply	essential	3	check valve	manual valve and closed system
29b-1	Unit 1 RCP P-1B seal water supply	essential	3	check valve	manual valve and closed system
29b-2	Unit 2 RCP P-1B seal water supply	essential	3	check valve	manual valve and closed system
32c	Auxiliary charging	nonessential	3	automatic trip valve	closed manual valve and closed system

Notes:

1. PBNP Penetration Classifications (as they apply to these penetrations):

Class 1 (Outgoing Lines, Reactor Coolant System)

Normally operating outgoing lines connected to the reactor coolant system are provided with at least one automatically operated trip valve and one manual isolation valve in series located outside the containment. In addition to the isolation valves, each line connected to the reactor coolant system is provided with a remote operated root valve located near its connection to the reactor coolant system.

Class 2 (Outgoing Lines)

Normally operating outgoing lines not connected to the reactor coolant system and not protected from missiles throughout their length are provided with at least one automatically operated trip valve or one remotely operated stop valve located outside containment. Manual isolation valves in series with the trip or remote operated valves are also provided outside the containment unless the line is connected to a closed system outside the containment.

Class 3 (Incoming Lines)

Incoming lines connected to open systems outside the containment are provided with two automatically operated trip valves in series. (A check valve is used in lieu of one of the trip valves in certain lines.) One of these valves may be located inside containment between the reactor coolant system shield walls and the containment wall.

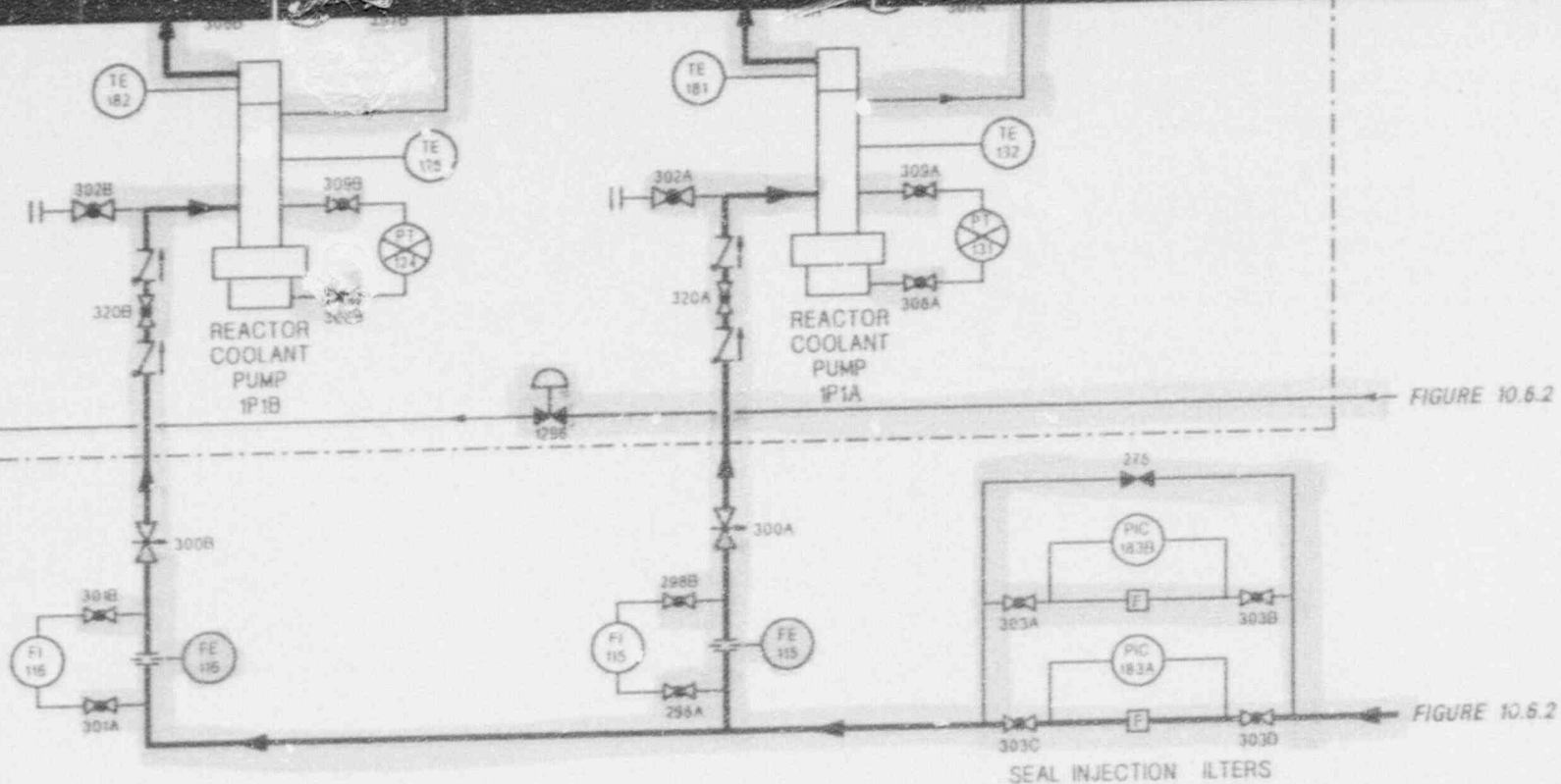
Incoming lines connected to closed systems outside the containment are provided with at least one check valve located either inside or outside the containment. A manual or remotely operated isolation valve in series with the check valve is also provided.

2. Manual and remotely operated isolation valves that are locked closed or otherwise closed and under administrative control during power operation, and check valves on certain incoming lines qualify as automatic trip valves.
3. This penetration was classified as "desirable" in our NUREG 0578, Item 2.1.4, response dated December 31, 1979.

ATTACHMENT 2  
DOCKETS 50-266 AND 50-301  
CLASSIFICATION OF AUXILIARY SYSTEMS NECESSARY TO ASSURE  
SAFE PLANT SHUTDOWN AT POINT BEACH, UNITS 1 AND 2

Component Cooling Water System and Chemical Volume Control System  
Simplified Drawings

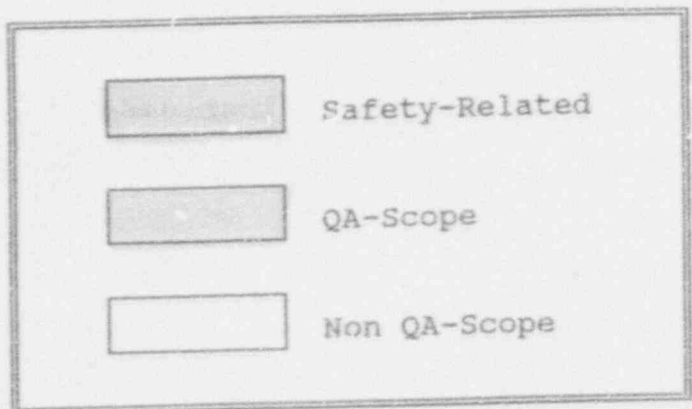
AUX CHG  
LOOP B  
COLD LEG



CHEMICAL & VOLUME  
CONTROL SYSTEM  
Figure 10.6.1

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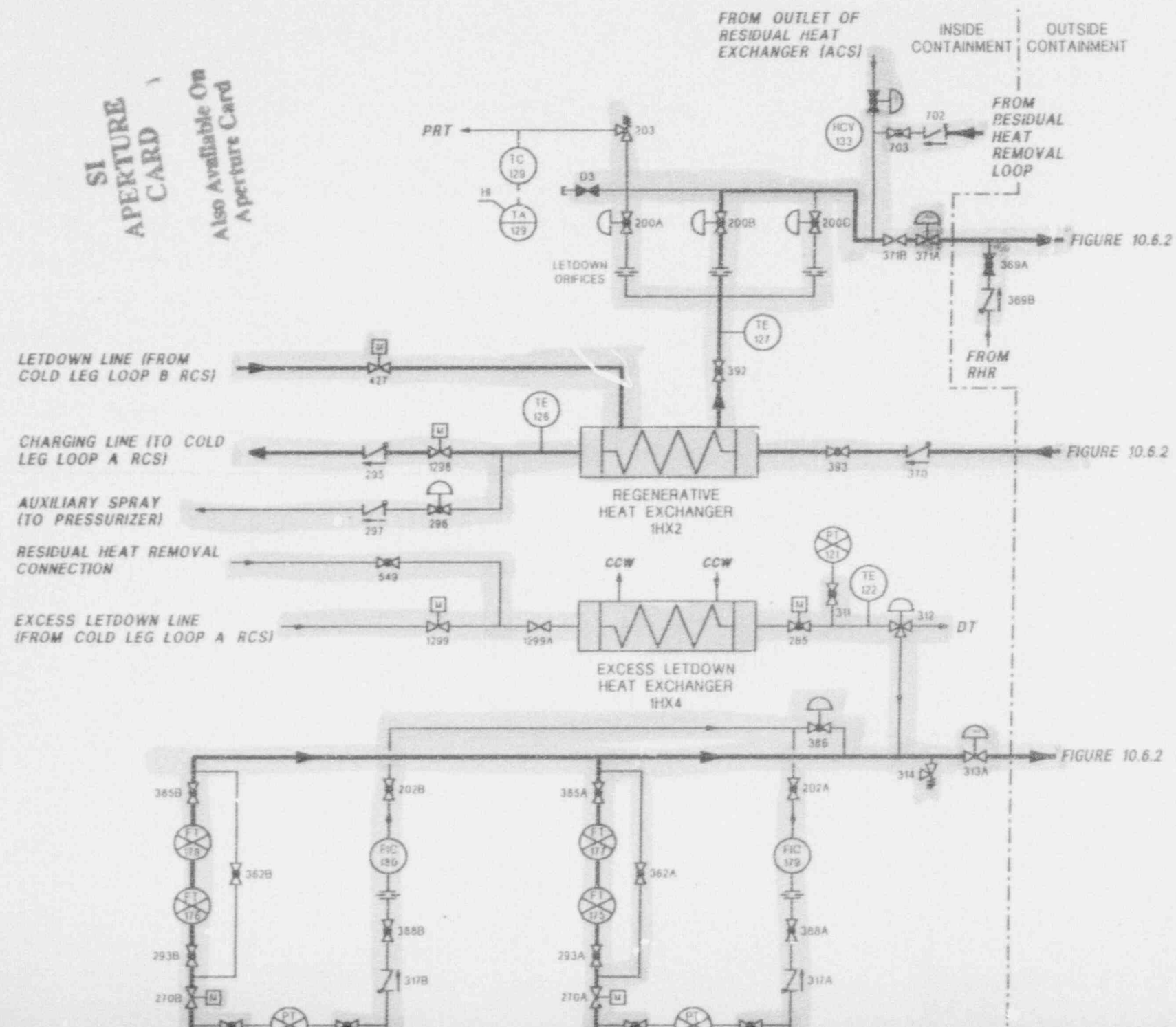
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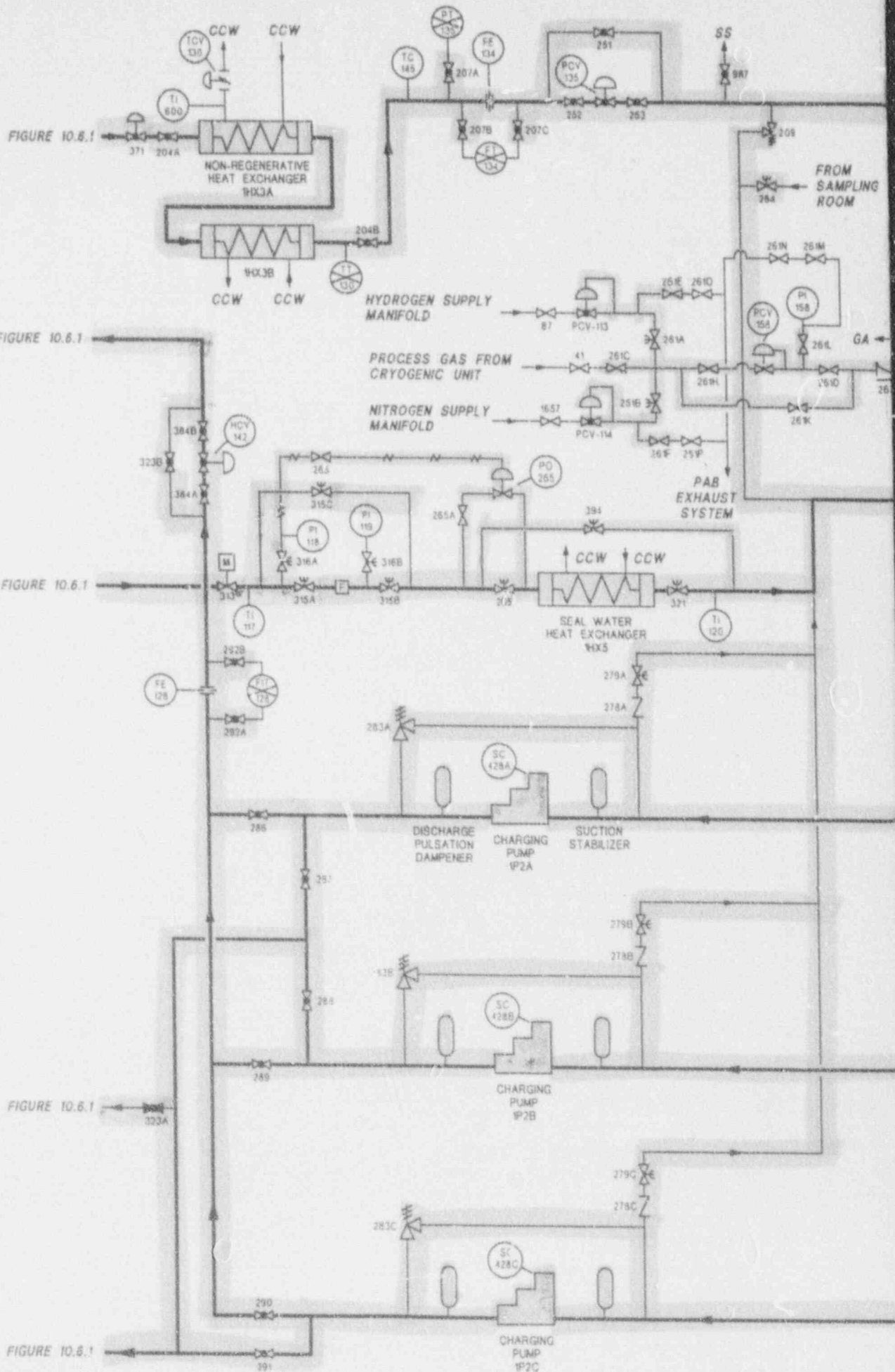


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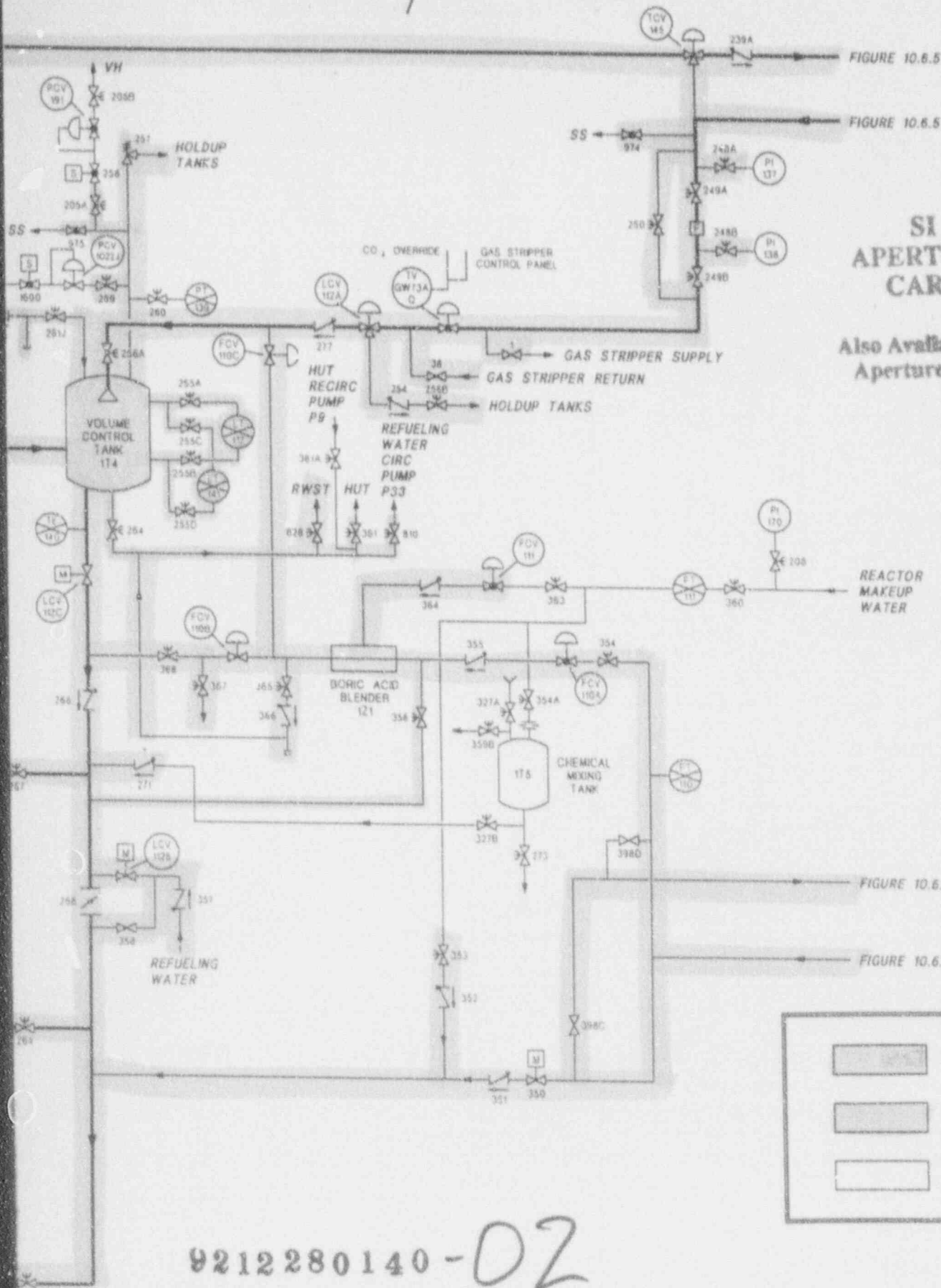
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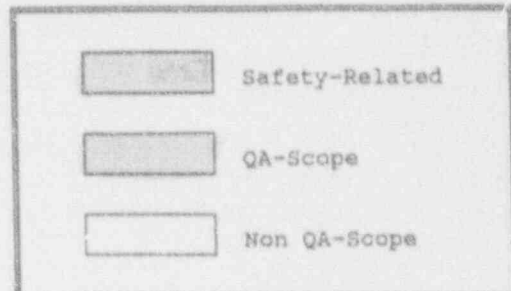


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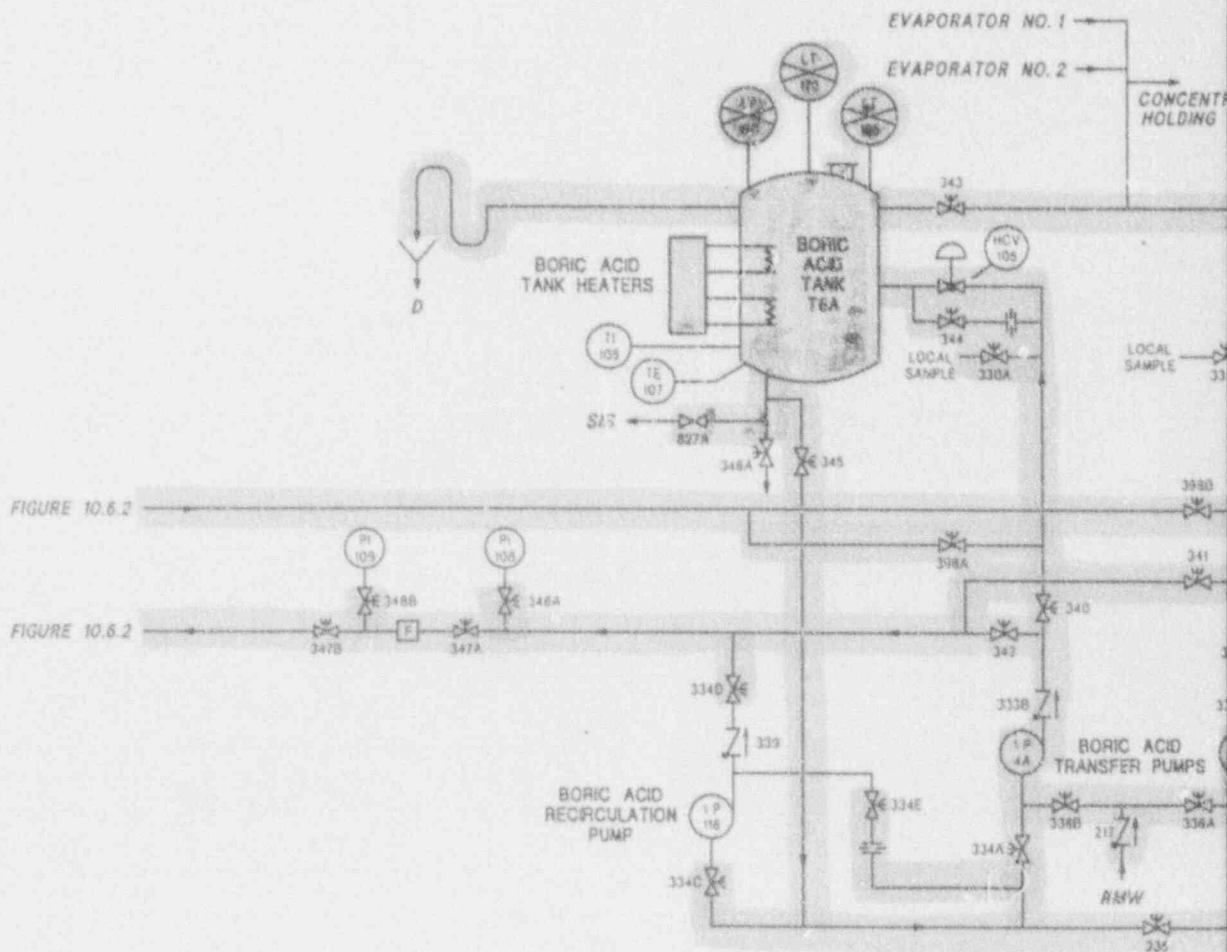
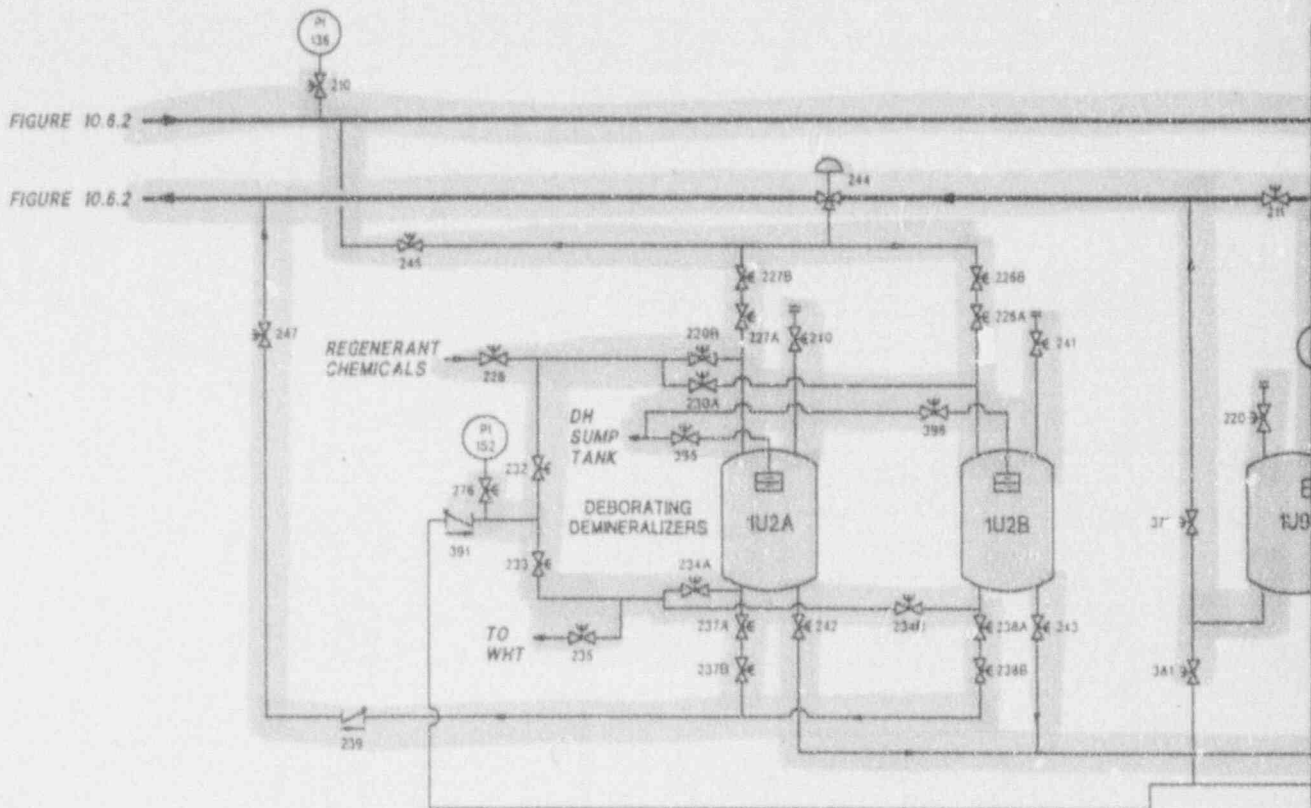
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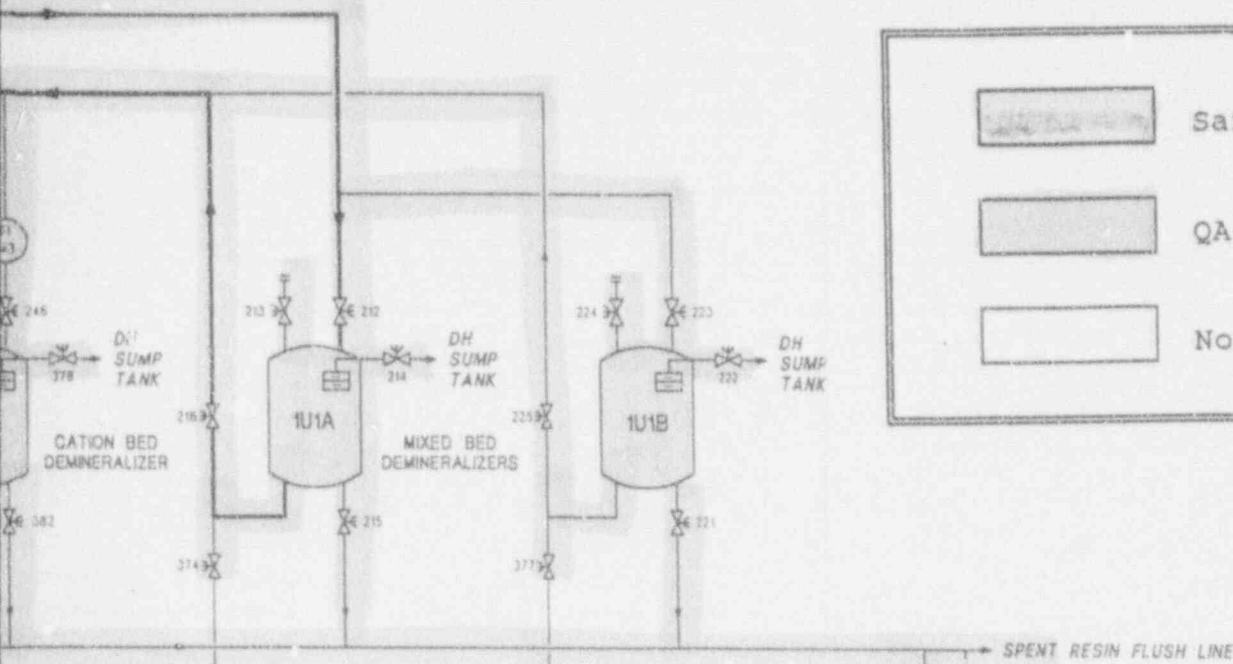
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CHEMICAL & VOLUME CONTROL SYSTEM  
 Figure 10.6.2

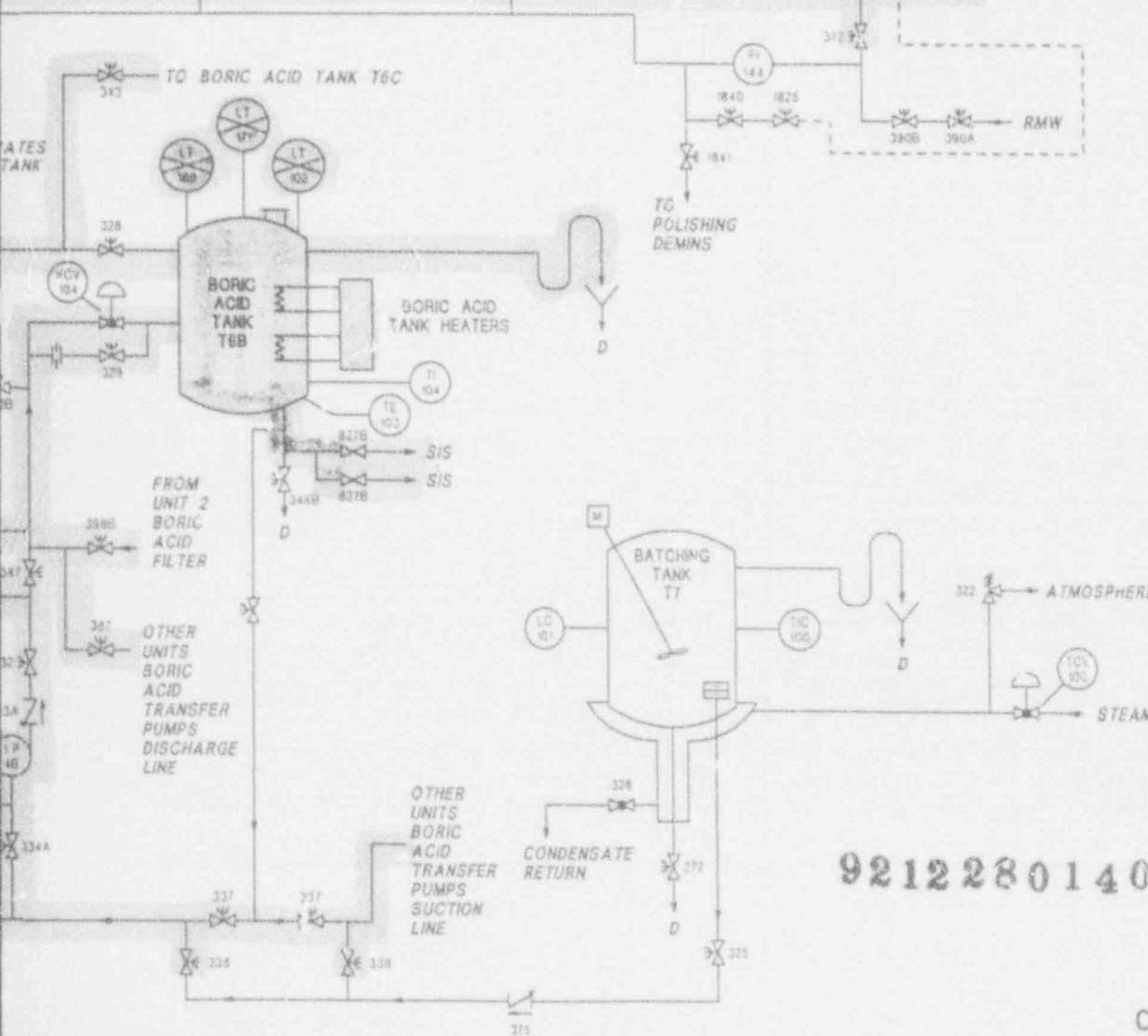




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	Safety-Related
	QA-Scope
	Non QA-Scope

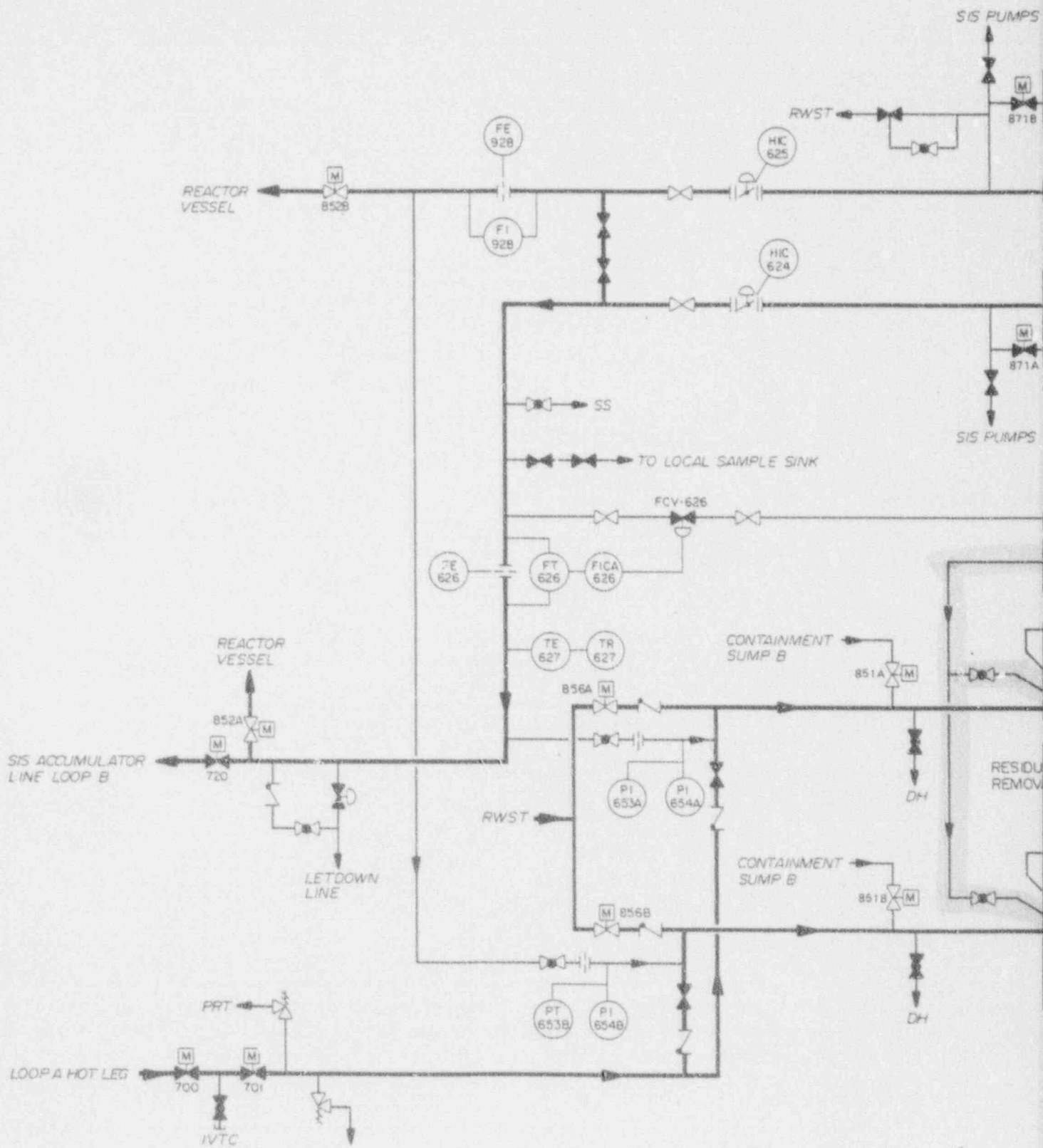


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 Also Available On  
 Aperture Card

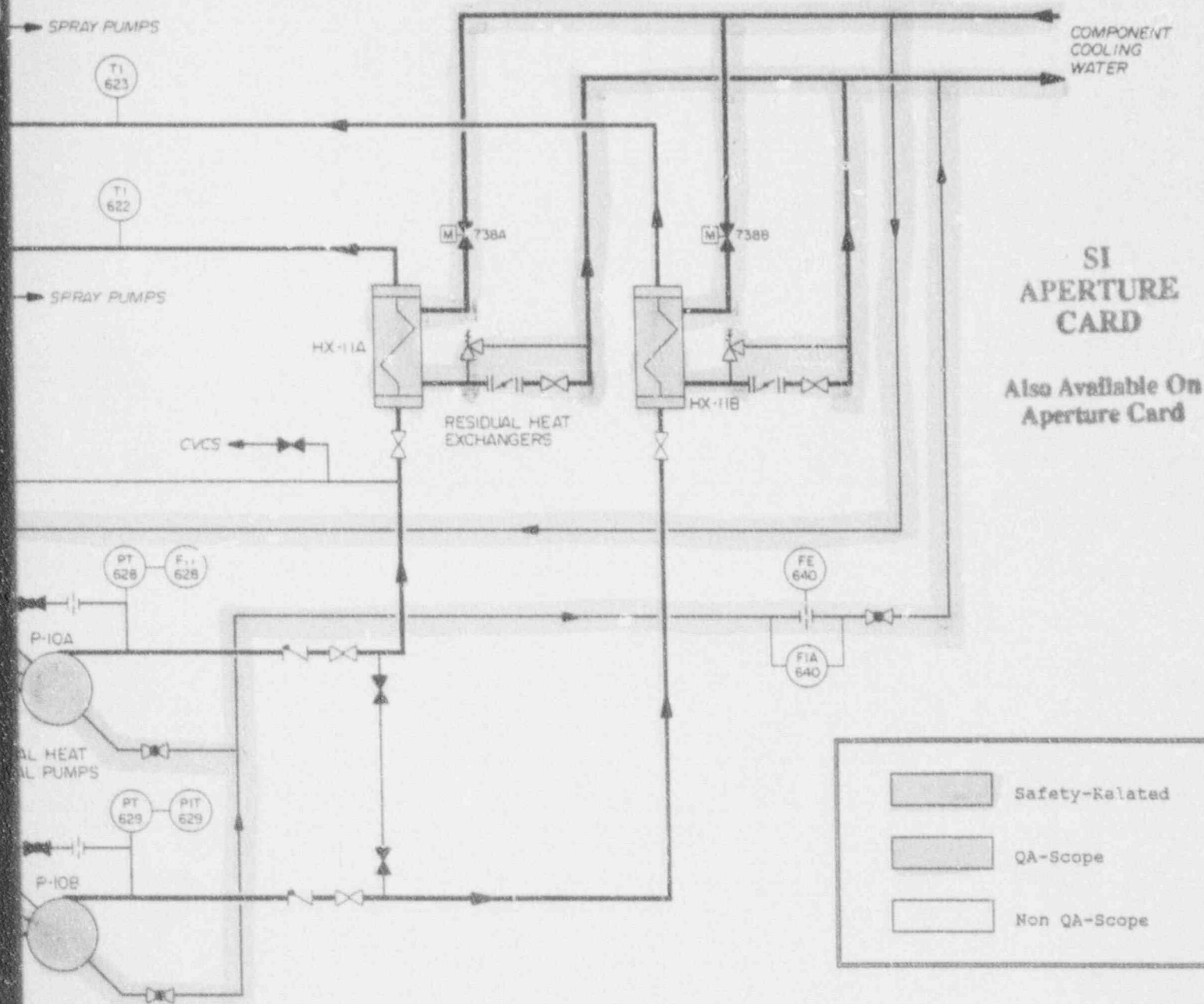
9212280140-03

FOR INFORMATION ONLY

CHEMICAL & VOLUME  
 CONTROL SYSTEM  
 Figure 10.6.5



TRDR 4.3.1 -5  
 Rev. 0 Date 9/30/87  
 Orig \_\_\_\_\_  
 Approved PJA 10.9.2



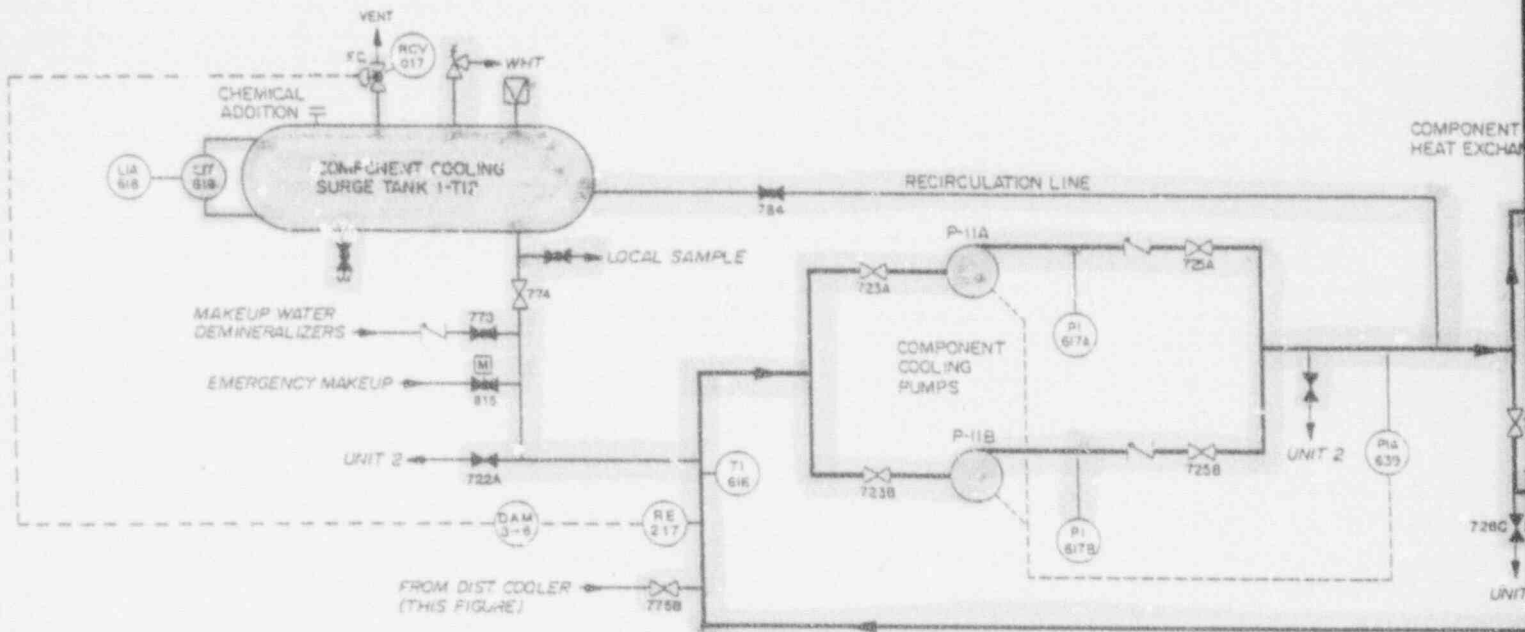
**SI  
 APERTURE  
 CARD**  
 Also Available On  
 Aperture Card

	Safety-Related
	QA-Scope
	Non QA-Scope

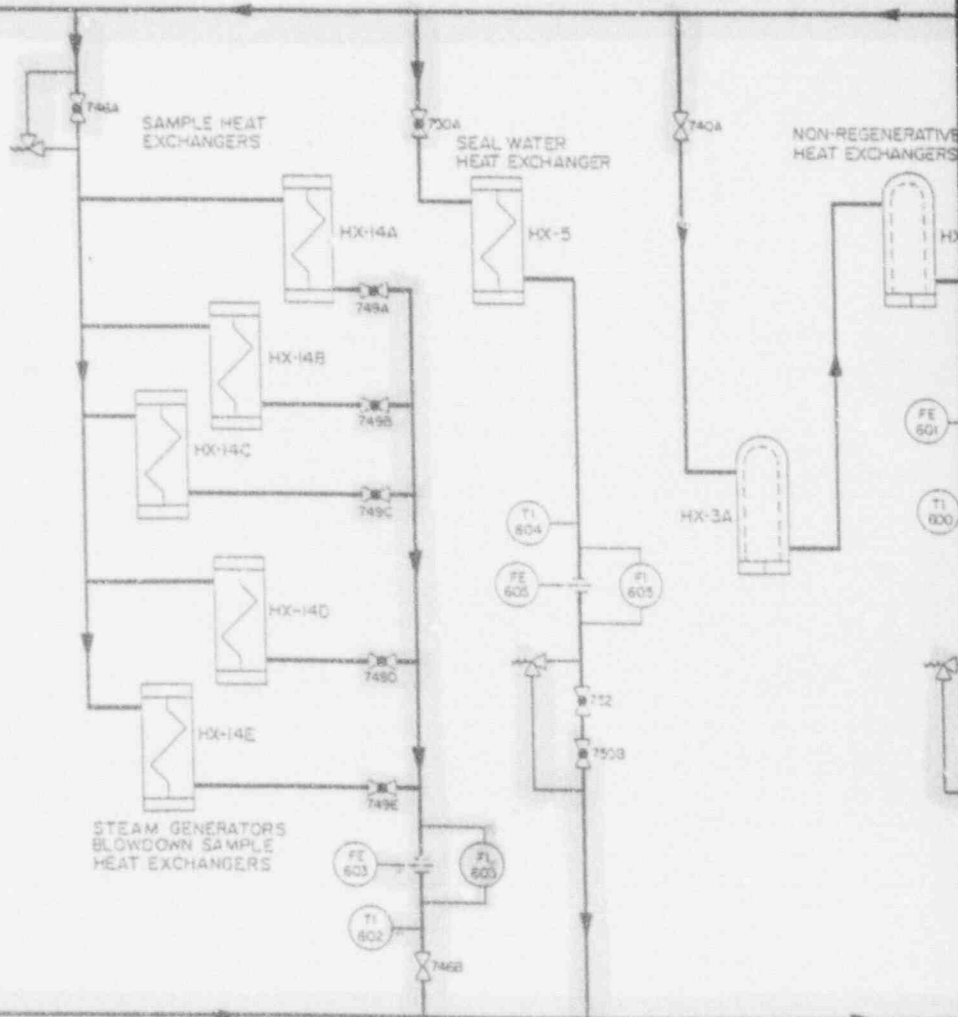
9212280140-04

FOR INFORMATION ONLY

LOWHEAD SAFETY  
 INJECTION/RHR  
 Figure 10.9.2



TO FIGURE 10-9-4



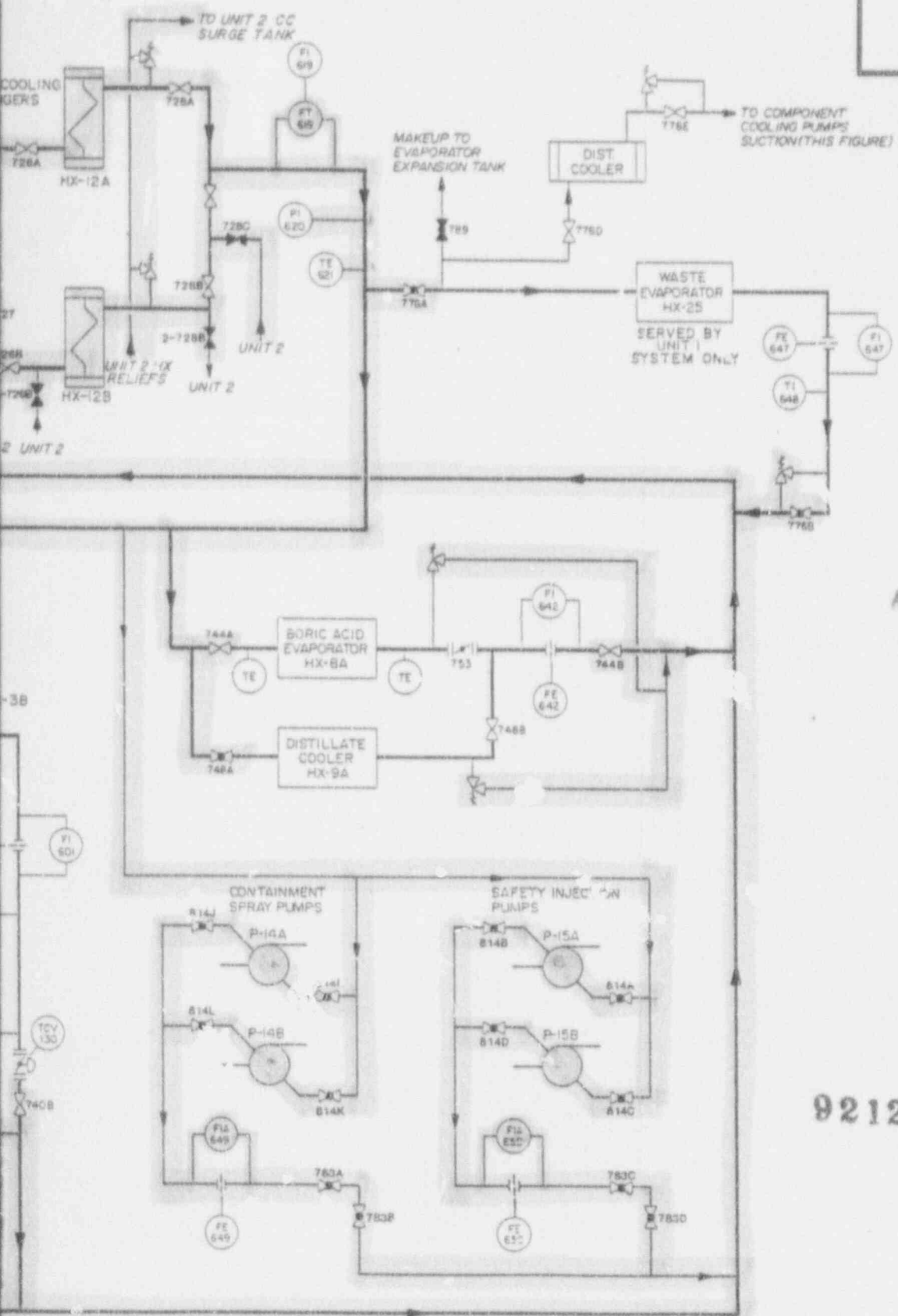
\* ALL VALVES ARE UNIT 1, UNLESS SPECIFIED UNIT 2.

FROM FIGURE 10-9-4



TRDR 4.2.1 -2  
 Rev. 0 Date 9/30/87  
 Orig \_\_\_\_\_  
 Approved P/A 10.9.3

	Safety-Related
	QA-Scope
	Non QA-Scope



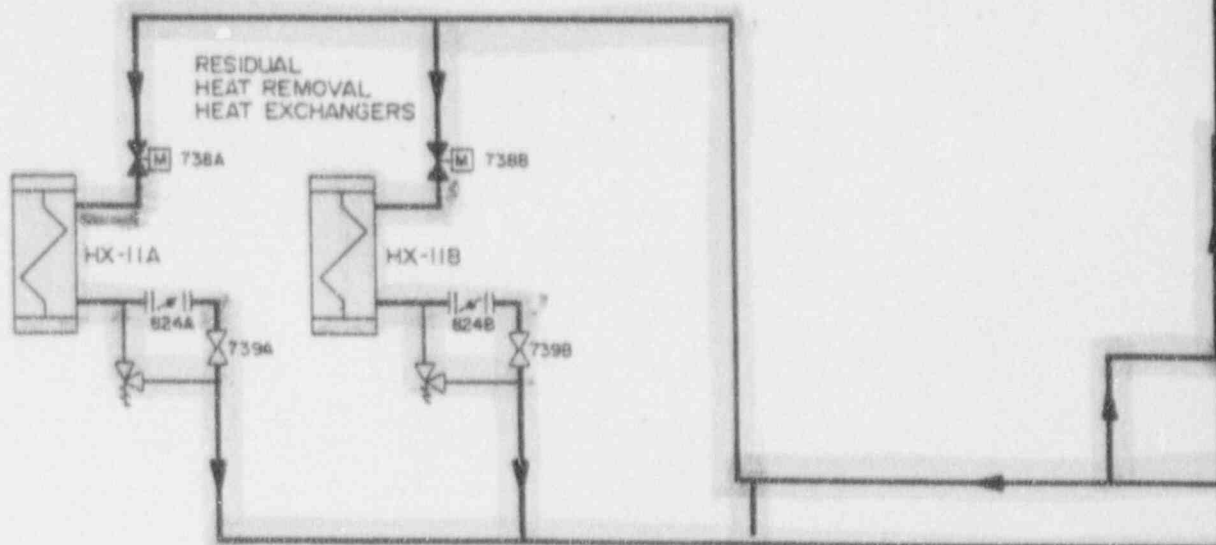
SI  
 APERTURE  
 CARD

Also Available On  
 Aperture Card

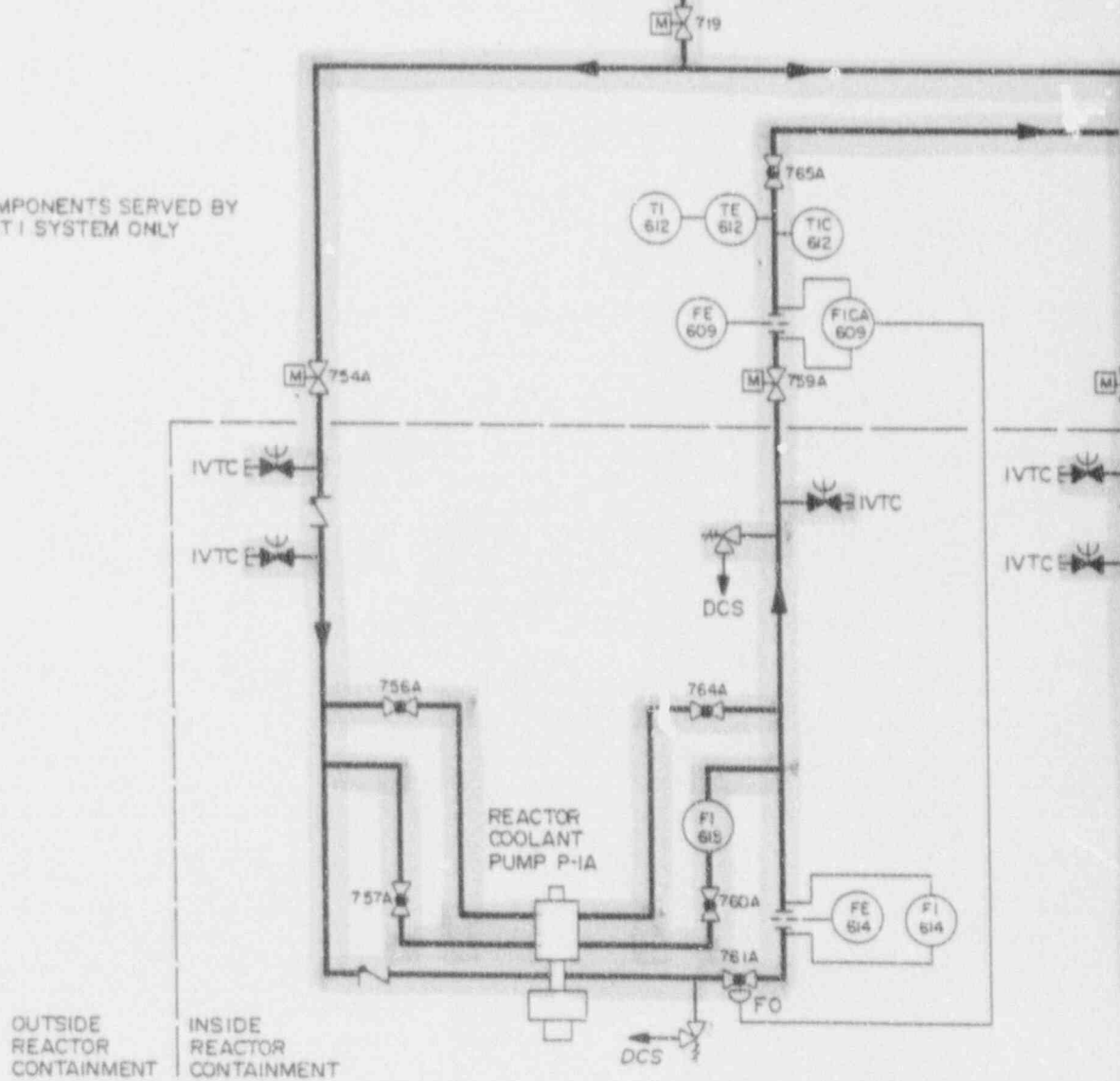
9212280140-05

FOR INFORMATION ONLY

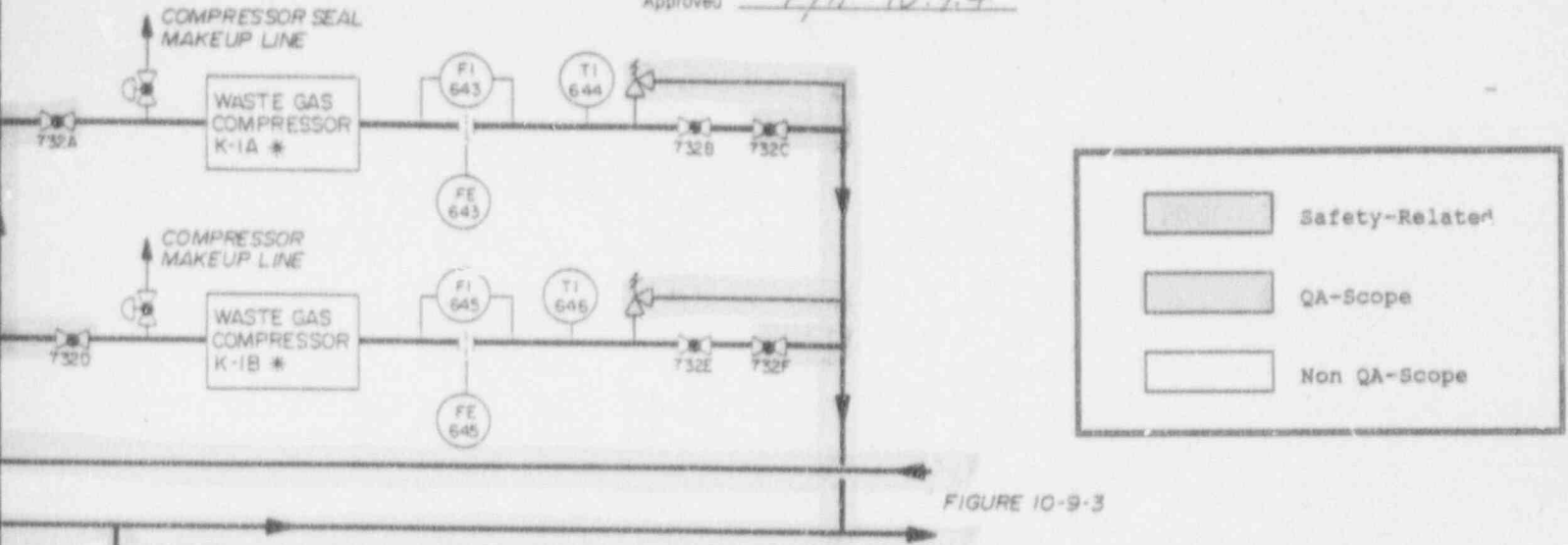
COMPONENT COOLING SYSTEM  
 Figure 10.9.3



\* COMPONENTS SERVED BY UNIT I SYSTEM ONLY

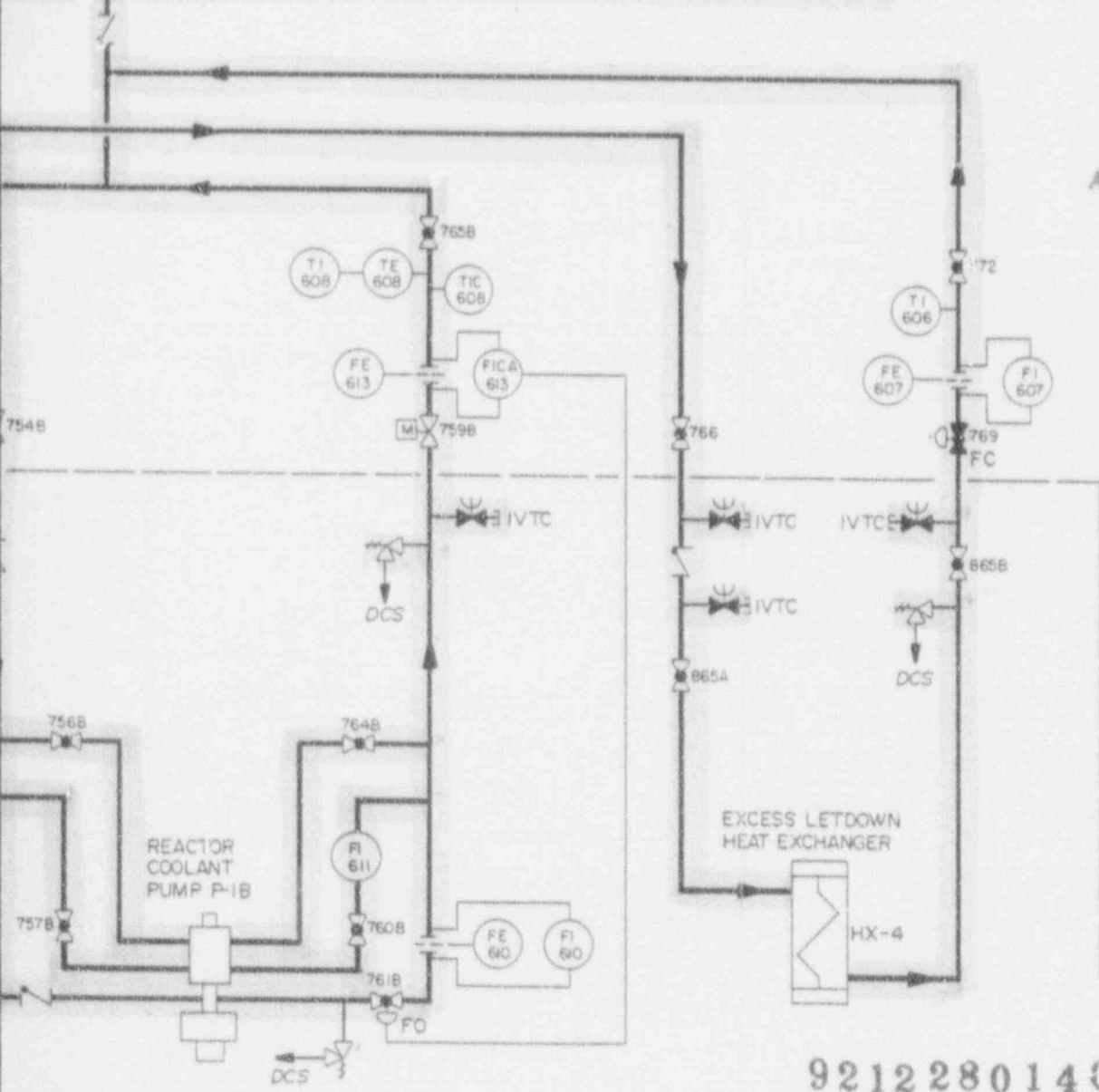


TRDR 4.2.1 -3  
 Rev. 0 Date 9/30/87  
 Orig \_\_\_\_\_  
 Approved P/A 10.9.4



	Safety-Related
	QA-Scope
	Non QA-Scope

FIGURE 10-9-3



**SI  
 APERTURE  
 CARD**

Also Available On  
 Aperture Card

9212280140-D6

FOR INFORMATION ONLY

COMPONENT COOLING SYSTEM  
 Figure 10.9.4

ATTACHMENT 3  
DOCKETS 50-266 AND 50-301  
CLASSIFICATION OF AUXILIARY SYSTEMS NECESSARY TO ASSURE  
SAFE PLANT SHUTDOWN AT POINT BEACH, UNITS 1 AND 2

Component Cooling Water System and Chemical Volume Control System  
Equipment Database Listings





FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
*****	*****	*****	A	R	Q	E	CIV	P
PB0	CC	CC SYSTEM MULTI AND/OR NON-NUMBERED EQUIPMENT	*	*	*	*	*	NONE
PB0	CC-D-16	HX-12A-D CC HX COMMON DRAIN LINE DRAIN	N	N	N	1	N	WEST 110E029 SH3
PB0	CC-D-16B	HX-12B CC HX SHELL SIDE DRAIN	Y	Y	N	1	N	WEST 110E018 SH3
PB0	CC-D-16C	HX-12C CC HX SHELL SIDE DRAIN	Y	Y	N	1	N	WEST 110E029 SH3
PB0	CC-D-17B	HX-12B CC HX RELIEF DRAIN	Y	Y	N	1	N	WEST 110E018 SH3
PB0	CC-D-17C	HX-12C CC HX RELIEF DRAIN	Y	Y	N	1	N	WEST 110E029 SH3
PB0	CC-V-13B	HX-12B CC HX INLET LINE VENT	Y	Y	N	1	N	WEST 110E018 SH3
PB0	CC-V-13C	HX-12C CC HX INLET LINE VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB0	CC-V-14B	HX-12B CC HX OUTLET VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB0	CC-V-14C	HX-12C CC HX OUTLET VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB0	CC-00721B	HX-12B CC HX OUTLET RELIEF TO 2T-12 CC SURGE TK	Y	Y	N	1	N	WEST 110E018 SH3
PB0	CC-00721C	HX-12C CC HX OUTLET RELIEF TO 2T-12 CC SURGE TK	Y	Y	N	1	N	WEST 110E029 SH3
PB0	CC-00722A	1P-11A/B CC PUMP SUCTION CROSSCONNECT	Y	Y	N	1	N	WEST 110E018 SH3
PB0	CC-00722B	1P-11A/B CC PUMP DISCHARGE CROSSCONNECT	Y	Y	N	1	N	WEST 110E018 SH3
PB0	FE-00643	K-1A WASTE GAS COMP CC RETURN FLOW ELEMENT	N	N	N	1	N	WEST 110E018 SH2
PB0	FE-00645	K-1B WASTE GAS COMP CC RETURN FLOW ELEMENT	N	N	N	1	N	WEST 110E018 SH2
PB0	FE-00647	HX-25 WASTE EVAP CONCENTRATOR OUTLET FLOW ELMT	N	N	N	1	N	WEST 110E018 SH3
PB0	FI-00643	K-1A WASTE GAS COMP CC RETURN FLOW INDICATOR	N	N	N	3	N	WEST 110E018 SH2
PB0	FI-00645	K-1B WASTE GAS COMP CC RETURN FLOW INDICATOR	N	N	N	3	N	WEST 110E018 SH2
PB0	FI-00647	HX-25A WASTE EVAP CONCENTRATOR OUTLET FLOW IND	N	N	N	3	N	WEST 110E018 SH3
PB0	HX-012B	COMPONENT COOLING WATER HEAT EXCHANGER	Y	Y	N	1	N	WEST 110E018 SH3
PB0	HX-012C	COMPONENT COOLING WATER HEAT EXCHANGER	Y	Y	N	1	N	WEST 110E029 SH3
PB0	LG-00641	T 68 WASTE EVAP EXPANSION TANK LEVEL GAUGE	N	N	N	3	N	WEST 684J971
PB0	P-011 MECH SEAL	SPARE MECH SEAL FOR CC PUMPS	Y	Y	N	1	N	NONE
PB0	P-011A/B-M SPARE	SPARE COMPONENT COOLING PUMP MOTOR	Y	Y	Y	1	N	NONE
PB0	PIPING AC 0152W-01	CC PUMP DISCH TO CC HX INC RECIRC & DRAIN LINE	N	N	N	1	N	WEST 110E018 SH3
PB0	PS AC C2-A3002R	CC PIPING SUPPORT	*	*	*	*	*	NONE
PB0	PS AC C2-C3001R	CC PIPING SUPPORT	*	*	*	*	*	NONE
PB0	PS AC C2-C3003R	CC PIPING SUPPORT	*	*	*	*	*	NONE
PB0	PS AC C2-C3005R	CC PIPING SUPPORT	*	*	*	*	*	NONE
PB0	TI-00644	K-1A WASTE GAS COMP CC RETURN TEMPERATURE IND	N	L	N	3	N	WEST 110E018 SH2
PB0	TI-00646	K-1B WASTE GAS COMP CC RETURN TEMPERATURE IND	N	N	N	3	N	WEST 110E018 SH2
PB0	TI-00648	HX-25 WASTE EVAP CONCENTRATOR OUTLET TEMP IND	N	N	N	3	N	WEST 110E018 SH3
PB0	TIC-00621B	HX-12B CC HX OUTLET TEMPERATURE INDICATOR CTRL	Y	Y	N	1	N	WEST 110E018 SH3
PB0	TIC-00621C	HX-12C CC HX OUTLET TEMPERATURE INDICATOR CTRL	Y	Y	N	1	N	WEST 110E029 SH3
PB1	CC	CC SYSTEM MULTI AND/OR NON-NUMBERED EQUIPMENT	*	*	*	*	*	NONE
PB1	CC-D-01	HX-25 WASTE EVAP OUTLET DRAIN	N	N	N	1	N	WEST 110E018 SH3
PB1	CC-D-02	HX-3A/B NON-REGEN HX SHELL SIDE INLET DRAIN	N	N	N	1	N	WEST 110E018 SH3
PB1	CC-D-03	HX-3A/B NON-REGEN HX INTERSTAGE DRAIN	N	N	N	1	N	WEST 110E018 SH3
PB1	CC-D-04	HX-3A/B NON-REGEN HX SHELL SIDE OUTLET DRAIN	N	N	N	1	N	WEST 110E018 SH3
PB1	CC-D-05	HX-3A NON-REGEN HX SHELL SIDE DRAIN	N	N	N	1	N	WEST 110E018 SH3
PB1	CC-D-06	P-1A/B RCP/HX-4 ELHX COMB SUPPLY HEADER DRAIN	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-D-07	HX-4 ELHX SHELL SIDE OUTLET DRAIN	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-D-08	HX-4 ELHX SHELL SIDE INLET DRAIN	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-D-09	P-1B RCP CC RETURN HEADER DRAIN	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-D-10	P-1A RCP CC RETURN HEADER DRAIN	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-D-11	P-1B RCP CC RETURN HEADER DRAIN	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-D-12	HX-8A BA EVAP/HX-9A DIST CLR CC RETURN HDR DRAIN	N	N	N	1	N	WEST 110E018 SH3
PB1	CC-D-13	HX-11B RHR HX SHELL SIDE OUTLET DRAIN	Y	Y	N	1	N	WEST 110E018 SH1
PB1	CC-D-14	HX-11A RHR HX SHELL SIDE OUTLET DRAIN	Y	Y	N	1	N	WEST 110E018 SH1
PB1	CC-D-16A	HX-12A CC HX SHELL SIDE DRAIN	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-D-17A	HX-12A CC HX OUTLET RELIEF DRAIN	Y	Y	N	1	N	WEST 110E018 SH3

FILE: EQUIPMENT MASTER

POLY T BEACH QLIST FOR SYSTEM COMPONENT COOLING

SORT: PRIMARY KEY

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	A	R	S	E	Q	S	E	CIV	F	P	P & ID
P81	CC-D-18	P-18 RCP THERMAL BARRIER COOLING RETURN DRAIN	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-D-19	P-18 RCP LOWER OIL COOLER CC RETURN DRAIN	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-D-20	P-1A RCP LOWER OIL COOLER CC RETURN DRAIN	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-D-21	P-1A RCP THERMAL BARRIER COOLING RETURN DRAIN	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-D-22	HX-94 DISTILLATE COOLER SHELL SIDE INLET DRAIN	M	M	M	M	1	N	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-V-01	SAMPLE SYSTEM HX SHELL SIDE INLET VENT	R	R	R	R	3	N	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-V-02	SAMPLE SYSTEM HX SHELL SIDE OUTLET HEADER VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-V-03	HX-3B NON-REGEN HX VENT	N	N	N	N	1	N	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-V-04	HX-3A NON-REGEN HX VENT	N	N	N	N	1	N	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-V-05	RX-5 SEAL WATER RETURN HX VENT	N	N	N	N	1	N	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-V-06	P-18 RCP CC SUPPLY HEADER VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-V-07	P-18 RCP CC RETURN HEADER VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-V-08	P-1A RCP CC SUPPLY HEADER VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-V-09	P-1A RCP CC RETURN HEADER VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-V-10	HX-11B RHR HX SHELL SIDE VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH1
P81	CC-V-11	HX-11A RHR HX SHELL SIDE VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH1
P81	CC-V-12	K-1A/B WASTE GAS COMP CC RETURN HEADER VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-V-13A	P-11A/B CC PUMP DISCHARGE HEADER VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-V-14	HX-12A/B CC HX OUTLET HEADER VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-V-14A	HX-12A-D CC HX OUTLET HEADER VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-V-15A	HX-12A CC HX OUTLET VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-V-17	HX-4 ELRX SHELL SIDE OUTLET VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-V-18	P-1A RCP UPPER OIL COOLER CC SUPPLY VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-V-19	P-1A RCP UPPER OIL COOLER CC RETURN VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-V-20	P-1B RCP UPPER OIL COOLER CC SUPPLY VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-V-21	P-1B RCP UPPER OIL COOLER CC RETURN VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-V-22	P-11A CC PUMP CASING VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-V-23	P-11B CC PUMP CASING VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-V-24	P-11A/B CC PUMP SUCTION HEADER VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00017	T-12 CC SURGE TANK RADIATION CONTROLLED VENT	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00017-O	T-12 CC SURGE TANK RADIATION CTLD VENT OPERATOR	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00017-S	T-12 CC SURGE TANK RADIATION CTLD VENT SOLENOID	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00691A	RESERVED FOR PLB	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00691B	RESERVED FOR PLB	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH1
P81	CC-00707A	P-10A RHR PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH1
P81	CC-00707B	P-10B RHR PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH1
P81	CC-00708A	P-10A RHR PUMP SEAL WATER HX SHELL SIDE OUTLET	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH1
P81	CC-00708B	P-10B RHR PUMP SEAL WATER HX SHELL SIDE OUTLET	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-00719	CONT EQUIP CC SUPPLY HEADER OUTBOARD ISOLATION	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-00719-M	CONT EQUIP CC SUPPLY HEADER OUTBOARD ISOL MOTOR	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-00719-O	CONT EQUIP CC SUPPLY HEADER OUTBOARD ISOL OPER	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	CC-00721A	HX-12A OUTLET SAFETY RELIEF TO 2T-12 CC SURGE TK	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00723A	P-11A CC PUMP SUCTION	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00723B	P-11B CC PUMP SUCTION	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00724A	P-11A CC PUMP DISCHARGE CHECK	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00724B	P-11B CC PUMP DISCHARGE CHECK	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00725A	F-11A CC PUMP DISCHARGE	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00725B	P-11B CC PUMP DISCHARGE	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00726A	HX-12A CC HX INLET FROM P-11A/B CC PUMP	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00726B	HX-12B CC HX INLET FROM P-11A/B CC PUMP	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00726C	HX-12C CC HX INLET FROM P-11A/B CC PUMP	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E020 SH3
P81	CC-00727	HX-12B/C CC HX INLET HEADER ISOLATION	Y	Y	Y	Y	N	1	N	N	N	N	N	N	WEST 110E018 SH3

FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	CIV	P
PB1	CC-00728A	HX-12A CC HX OUTLET	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00728B	HX-12B CC HX OUTLET TO UNIT 1 EQUIPMENT	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00728C	HX-12C CC HX OUTLET TO UNIT 1 EQUIPMENT	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00729	HX-12A/B CC HX OUTLET HEADER ISOLATION	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00730A	P-1A THERMAL BARRIER CLG FI-614 RET LO SIDE ROOT	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00730B	P-1A THERMAL BARRIER CLG FI-614 RET HI SIDE ROOT	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00730C	P-1A RCP CC FIC-609 RETURN LOW SIDE ROOT	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00730D	P-1A RCP CC FIC-609 RETURN HIGH SIDE ROOT	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00731A	P-1B THERMAL BARRIER CLG FI-610 RET LO SIDE ROOT	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00731B	P-1B THERMAL BARRIER CLG FI-610 RET HI SIDE ROOT	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00731C	P-1B RCP CC FIC-613 RETURN LOW SIDE ROOT	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00731D	P-1B RCP CC FIC-613 RETURN HIGH SIDE ROOT	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00732A	K-1A WASTE GAS COMP CC SUPPLY	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00732B	K-1A WASTE GAS COMP CC RETURN THROTTLE	N	N	N	1	N	WEST 110E018 SH2
PB1	CC-00732C	K-1A WASTE GAS COMP CC RETURN	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00732D	K-1B WASTE GAS COMP CC SUPPLY	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00732E	K-1B WASTE GAS COMP CC RETURN THROTTLE	N	N	N	1	N	WEST 110E018 SH2
PB1	CC-00732F	K-1B WASTE GAS COMP CC RETURN	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00734A	HX-12A/B CC HX FT-619 OUTLET HIGH SIDE ROOT	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00734B	HX-12A/B CC HX FT-619 OUTLET LOW SIDE ROOT	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00734C	HX-12A/B CC HX PI-620 OUTLET PRESSURE IND ROOT	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00735A	HX-4 ELHX SHELL SIDE FI-607 OUTLET LO SIDE ROOT	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00735B	HX-4 ELHX SHELL SIDE FI-607 OUTLET HI SIDE ROOT	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00736A	HX-11A RHR HX SHELL SIDE OUTLET RELIEF	Y	Y	N	1	N	WEST 110E018 SH1
PB1	CC-00736B	HX-11B RHR HX SHELL SIDE OUTLET RELIEF	Y	Y	N	1	N	WEST 110E018 SH1
PB1	CC-00738A	HX-11A RHR HX SHELL SIDE INLET	Y	Y	N	1	N	WEST 110E018 SH1
PB1	CC-00738A-M	HX-11A RHR HX SHELL SIDE INLET MOTOR	Y	Y	Y	1	N	WEST 110E018 SH1
PB1	CC-00738A-O	HX-11A RHR HX SHELL SIDE INLET OPERATOR	Y	Y	Y	1	N	WEST 110E018 SH1
PB1	CC-00738B	HX-11B RHR HX SHELL SIDE INLET	Y	Y	N	1	N	WEST 110E018 SH1
PB1	CC-00738B-M	HX-11B RHR HX SHELL SIDE INLET MOTOR	Y	Y	Y	1	N	WEST 110E018 SH1
PB1	CC-00738B-O	HX-11B RHR HX SHELL SIDE INLET OPERATOR	Y	Y	Y	1	N	WEST 110E018 SH1
PB1	CC-00739A	HX-11A RHR HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E018 SH1
PB1	CC-00739B	HX-11B RHR HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E018 SH1
PB1	CC-00740A	HX-3A/B NON-REGEN HX SHELL SIDE INLET	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00740B	HX-3A/B NON-REGEN HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00741A	P-11A CC PUMP PI-617A DISCHARGE ROOT	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00741B	P-11B CC PUMP PI-617B DISCHARGE ROOT	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00741C	P-11A/B CC PUMP PIC-639 DISCHARGE ROOT	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00743A	K-1A WASTE GAS COMP CC OUTLET RELIEF	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00743B	K-1B WASTE GAS COMP CC OUTLET RELIEF	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00743C	HX-25 WASTE EVAPORATOR OUTLET RELIEF	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00743D	HX-9A WASTE EVAP DISTILLATE COOLER RELIEF	N	N	N	3	N	WEST 110E018 SH3
PB1	CC-00744A	HX-8A BA EVAP COMPONENT COOLING SUPPLY	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00744B	HX-8A BA EVAP HX-9A DIST CLR CC RETURN HEADER	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00745	CONT EQUIPMENT CC RETURN HEADER CHECK	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00746A	SAMPLE SYSTEM HX SHELL SIDE INLET HEADER	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00746B	SAMPLE SYSTEM HX SHELL SIDE OUTLET HEADER	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00747A	SAMPLE SYSTEM HX SHELL SIDE INLET HEADER RELIEF	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00747B	HX-8A BA EVAP CC OUTLET RELIEF	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00747C	HX-9A DISTILLATE COOLER CC OUTLET RELIEF	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00747D	HX-3A/B NON-REGEN HX SHELL SIDE OUTLET RELIEF	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00748A	HX-9A DISTILLATE COOLER CC INLET	Y	Y	N	1	N	WEST 110E018 SH3



FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
*****	*****	*****	A	R	Q	E	CIV	P
PB1	CC-00748B	HX-9A DISTILLATE COOLER CC OUTLET	N	N	N	1	N	WEST 110E018 SH3
PB1	CC-00749A	HX-14A PZR STEAM SAMPLE HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00749B	HX-14B PZR LIQUID SAMPLE HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00749C	HX-14C REACTOR HOT LEG SMPL HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00749D	HX-59A SG A BD SAMPLE HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00749E	HX-59B SG B BD SAMPLE HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00750A	HX-5A SEAL WATER RETURN HX SHELL SIDE INLET	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00750B	HX-5 SEAL WATER RETURN HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00751	HX-5 SEAL WTR RETURN HX SHELL SIDE OUTLET RELIEF	Y	Y	N	1	N	WEST 110E018 SH3
PB1	CC-00752	HX-5 SEAL WTR RETURN HX SHELL SIDE OUT THROTTLE	N	N	N	1	N	WEST 110E018 SH3
PB1	CC-00753	HX-8A BA EVAP CC OUTLET THROTTLE	N	N	N	1	N	WEST 110E018 SH3
PB1	CC-00754A	P-1A RCP CC INLET MOV	Y	Y	N	1	Y	WEST 110E018 SH2
PB1	CC-00754A-M	P-1A RCP CC INLET MOV MOTOR	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00754A-O	P-1A RCP CC INLET MOV OPERATOR	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00754B	P-1B RCP CC INLET MOV	Y	Y	N	1	Y	WEST 110E018 SH2
PB1	CC-00754B-M	P-1B RCP CC INLET MOV MOTOR	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00754B-O	P-1B RCP CC INLET MOV OPERATOR	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00755A	P-1A RCP CC HEADER CHECK	Y	Y	N	1	Y	WEST 110E018 SH2
PB1	CC-00755B	P-1B RCP CC HEADER CHECK	Y	Y	N	1	Y	WEST 110E018 SH2
PB1	CC-00756A	P-1A RCP UPPER OIL COOLER CC INLET	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00756B	P-1B RCP UPPER OIL COOLER CC INLET	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00757A	P-1A RCP LOWER OIL COOLER CC INLET	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00757B	P-1B RCP LOWER OIL COOLER CC INLET	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00758A	P-1A RCP THERMAL BARRIER COOLING INLET CHECK	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00758B	P-1B RCP THERMAL BARRIER COOLING INLET CHECK	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00759A	P-1A RCP CC OUTLET MOV	Y	Y	N	1	Y	WEST 110E018 SH2
PB1	CC-00759A-M	P-1A RCP CC OUTLET MOV MOTOR	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00759A-O	P-1A RCP CC OUTLET MOV OPERATOR	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00759B	P-1B RCP CC OUTLET MOV	Y	Y	N	1	Y	WEST 110E018 SH2
PB1	CC-00759B-M	P-1B RCP CC OUTLET MOV MOTOR	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00759B-O	P-1B RCP CC OUTLET MOV OPERATOR	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00760A	P-1A RCP LOWER OIL COOLER CC OUTLET	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00760B	P-1B RCP LOWER OIL COOLER CC OUTLET	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00761A	P-1A RCP THERMAL BARRIER COOLING RETURN	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00761A-O	P-1A RCP THERMAL BARRIER COOLING RETURN OPERATOR	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00761A-S	P-1A RCP THERMAL BARRIER COOLING RETURN SOLENOID	Y	Y	N	1	N	NONE
PB1	CC-00761B	P-1B RCP THERMAL BARRIER COOLING RETURN	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00761B-O	P-1B RCP THERMAL BARRIER COOLING RETURN OPERATOR	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00761B-S	P-1B RCP THERMAL BARRIER COOLING RETURN SOLENOID	Y	Y	N	1	N	NONE
PB1	CC-00762A	P-1A RCP THERMAL BARRIER COOLING RETURN RELIEF	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00762B	P-1B RCP THERMAL BARRIER COOLING RETURN RELIEF	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00763A	P-1A RCP CC RETURN HEADER RELIEF	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00763B	P-1B RCP CC RETURN HEADER RELIEF	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00764A	P-1A RCP UPPER OIL COOLER CC OUTLET	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00764B	P-1B RCP UPPER OIL COOLER CC OUTLET	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00765A	P-1A RCP CC RETURN HEADER STOP	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00765B	P-1B RCP CC RETURN HEADER STOP	Y	Y	N	1	Y	WEST 110E018 SH2
PB1	CC-00766	HX-4 ELHX SHELL SIDE INLET	Y	Y	N	1	Y	WEST 110E018 SH2
PB1	CC-00767	HX-4 ELHX SHELL SIDE INLET CHECK	Y	Y	N	1	Y	WEST 110E018 SH2
PB1	CC-00768	HX-4 ELHX SHELL SIDE OUTLET RELIEF	Y	Y	N	1	N	WEST 110E018 SH2
PB1	CC-00769	HX-4 ELHX SHELL SIDE OUTLET	Y	Y	N	1	Y	WEST 110E018 SH2
PB1	CC-00769-O	HX-4 ELHX SHELL SIDE OUTLET OPERATOR	Y	Y	N	1	N	WEST 110E018 SH2

FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	R	A	CIV	F	P	P & ID
P81	CC-00769-S	HX-4 ELHX SHELL SIDE OUTLET SOLENOID	Y	Y	Y	Y	R	N	WEST	110E018 SH2
P81	CC-00772	HX-4 ELHX SHELL SIDE OUTLET STOP	Y	Y	Y	Y	R	N	WEST	110E018 SH2
P81	CC-00773	T-12 CC SURGE TANK DEMINERALIZED WATER INLET	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00774	T-12 CC SURGE TANK OUTLET	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00775A	T-12 CC SURGE TANK SAMPLE	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00775B	HX-9 DIST COOLER SHELL SIDE SECOND OUTLET	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00776A	HX-25 WASTE EVAPORATOR INLET	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00776B	HX-25 WASTE EVAPORATOR OUTLET	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-007760	HX-94 DISTILLATE COOLER SHELL SIDE INLET	N	N	N	N	R	N	WEST	110E018 SH3
P81	CC-00776E	HX-94 DISTILLATE COOLER SHELL SIDE FIRST OUTLET	N	N	N	N	R	N	WEST	110E018 SH3
P81	CC-00777A	T-12 CC SURGE TANK LT-618 LOWER ROOT	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00777B	T-12 CC SURGE TANK LT-618 UPPER ROOT	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00777C	T-12 CC SURGE TANK DRAIN	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00778A	HX-8A BA EVAP CC FI-642 OUTLET HIGH SIDE ROOT	N	N	N	N	R	N	WEST	110E018 SH3
P81	CC-00778B	HX-8A BA EVAP CC FI-642 OUTLET LOW SIDE ROOT	N	N	N	N	R	N	WEST	110E018 SH3
P81	CC-00778C	HX-5 SHELL SIDE FI-605 OUTLET HIGH SIDE ROOT	N	N	N	N	R	N	WEST	110E018 SH3
P81	CC-00778D	HX-5 SHELL SIDE FI-605 OUTLET LOW SIDE ROOT	N	N	N	N	R	N	WEST	110E018 SH3
P81	CC-00778E	SMPL SYS HX SHELL SIDE FI-603 OUT HIGH SIDE ROOT	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00778F	SMPL SYS HX SHELL SIDE FI-603 OUT LOW SIDE ROOT	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00778G	HX-3A/B SHELL SIDE FI-601 OUTLET HIGH SIDE ROOT	N	N	N	N	R	N	WEST	110E018 SH3
P81	CC-00778H	HX-3A/B SHELL SIDE FI-601 OUTLET LOW SIDE ROOT	N	N	N	N	R	N	WEST	110E018 SH3
P81	CC-00778J	P-14A/B SEAL WATER HX FT-649 HIGH SIDE ROOT	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00778K	P-14A/B SEAL WATER HX FT-649 LOW SIDE ROOT	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00778L	P-15A/B SEAL WATER HX FT-650 HIGH SIDE ROOT	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00778M	P-15A/B SEAL WATER HX FT-650 LOW SIDE ROOT	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00778N	P-10A/B SEAL WATER HX FT-640 HIGH SIDE ROOT	Y	Y	Y	Y	R	N	WEST	110E018 SH1
P81	CC-00778P	P-10A/B SEAL WATER HX FT-640 LOW SIDE ROOT	Y	Y	Y	Y	R	N	WEST	110E018 SH1
P81	CC-00779	T-12 CC SURGE TANK SAFETY RELIEF TO WASTE HUT	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00779A	T-12 CC SURGE TANK VACUUM BREAKER	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00780	T-12 CC SURGE TANK DEMIN WATER INLET CHECK	N	N	N	N	R	N	WEST	110E018 SH3
P81	CC-00781A	K-1A WG COMP CC FI-643 OUTLET HIGH SIDE ROOT	N	N	N	N	R	N	WEST	110E018 SH2
P81	CC-00781B	K-1A WG COMP CC FI-643 OUTLET LOW SIDE ROOT	N	N	N	N	R	N	WEST	110E018 SH2
P81	CC-00781C	K-1B WG COMP CC FI-645 OUTLET HIGH SIDE ROOT	N	N	N	N	R	N	WEST	110E018 SH2
P81	CC-00781D	K-1B WG COMP CC FI-645 OUTLET LOW SIDE ROOT	N	N	N	N	R	N	WEST	110E018 SH2
P81	CC-00781E	HX-25 WASTE EVAP FI-647 OUTLET HIGH SIDE ROOT	N	N	N	N	R	N	WEST	110E018 SH3
P81	CC-00781F	HX-25 WASTE EVAP FI-647 OUTLET LOW SIDE ROOT	N	N	N	N	R	N	WEST	110E018 SH3
P81	CC-00783A	P-14A/B SEAL WTR HX SHELL SIDE OUTLET HDR THRTL	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00783B	P-14A/B SEAL WTR HX SHELL SIDE OUTLET HDR STOP	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00783C	P-15A/B SEAL WTR HX SHELL SIDE OUTLET HDR THRTL	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00783D	P-15A/B SEAL WTR HX SHELL SIDE OUTLET HDR STOP	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00783E	P-10A/B SEAL WTR HX SHELL SIDE OUTLET HDR ISOL	Y	Y	Y	Y	R	N	WEST	110E018 SH1
P81	CC-00784	T-12 CC SURGE TANK RECIRC	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00789	T-68 WASTE EVAP EXPANSION TANK MAKEUP WTR INLET	N	N	N	N	R	N	WEST	110E018 SH3
P81	CC-00790A	P-11A CC PUMP SUCTION DRAIN	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00790B	P-11B CC PUMP SUCTION DRAIN	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00791A	P-11A CC PUMP DISCHARGE DRAIN	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00791B	P-11B CC PUMP DISCHARGE DRAIN	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00814A	P-15A SI PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00814B	P-15A SI PUMP SEAL WATER HX SHELL SIDE OUTLET	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00814C	P-15B SI PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00814D	P-15B SI PUMP SEAL WATER HX SHELL SIDE OUTLET	Y	Y	Y	Y	R	N	WEST	110E018 SH3
P81	CC-00814E	P-15A SI PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	R	N	WEST	110E018 SH3

FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

\*\*\*\*\* C H A P S \*\*\*\*\*

UNIT	EQUIPMENT NUMBER	EQUIPMENT NAME	Q	A	S	R	E	Q	E	S	CIV	F	P	P & ID
P81	CC-00814F	P-15A SI PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00814G	P-15B SI PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00814H	P-15B SI PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00814I	P-14A CONT SPRAY PUMP SEAL WTR HX SHELL SIDE IN	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00814J	P-14A CONT SPRAY PUMP SEAL WTR HX SHELL SIDE OUT	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00814K	P-14B CONT SPRAY PUMP SEAL WTR HX SHELL SIDE IN	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00814L	P-14B CONT SPRAY PUMP SEAL WTR HX SHELL SIDE OUT	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00815	T-12 CC SURGE TANK EMERGENCY MAKEUP WATER INLET	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00815-M	T-12 CC SURGE TANK EMER MAKEUP WATER INLET MOTOR	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00815-O	T-12 CC SURGE TANK EMER MAKEUP WATER INLET OPER	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	CC-00824A	HX-11A RHR HX SHELL SIDE OUTLET THROTTLE	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH1
P81	CC-00824B	HX-11B RHR HX SHELL SIDE OUTLET THROTTLE	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH1
P81	CC-00865A	HX-4 ELHX SHELL SIDE INLET	N	N	N	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P21	CC-00865B	HX-4 ELHX SHELL SIDE OUTLET	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	CC-01410A	P-1A RCP CC HEADER TEST CONNECTION	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	CC-01410B	P-1A RCP CC HEADER TEST CONNECTION	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	CC-01411A	P-1A RCP CC HEADER TEST CONNECTION	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	CC-01411B	P-1B RCP CC HEADER TEST CONNECTION	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	CC-01412A	P-1A RCP CC RETURN HEADER TEST CONNECTION	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	CC-01412B	P-1A RCP CC RETURN HEADER TEST CONNECTION	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	CC-01413	HX-4 ELHX SHELL SIDE OUTLET TEST CONNECTION	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	CC-01414	HX-4 ELHX SHELL SIDE INLET TEST CONNECTION	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	CC-01415	HX-4 ELHX SHELL SIDE INLET TEST CONNECTION	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	FE-00601	HX-3A/B NON-REGEN HX SHELL SIDE OUTLET FLOW ELMT	N	N	N	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	FE-00603	SAMPLE SYSTEM HX SHELL SIDE OUTLET FLOW ELEMENT	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	FE-00605	HX-5 SEAL WTR RET HX SHELL SIDE OUTLET FLOW ELMT	N	N	N	N	1	N	N	N	N	N	N	WEST 110E018 SH2
P81	FE-00607	HX-4 ELHX SHELL SIDE OUTLET FLOW ELEMENT	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	FE-00609	P-1A RCP CC RETURN HEADER FLOW ELEMENT	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	FE-00610	P-18 RCP THERMAL BARRIER CLG RETURN FLOW ELEMENT	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	FE-00613	P-18 RCP CC RETURN HEADER FLOW ELEMENT	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	FE-00614	P-1A RCP THERMAL BARRIER CLG RETURN FLOW ELEMENT	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	FE-00640	P-10A/B RHR PMP SEAL WTR HX SHELL SIDE OUTLET FE	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH1
P81	FE-00642	HX-8A BA EVAP CC OUTLET FLOW ELEMENT	N	N	N	N	1	N	N	N	N	N	N	WEST 110E018 SH3
P81	FE-00649	P-14A/B SEAL WTR HX SHELL SIDE OUTLET FLOW ELMT	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	FE-00650	P-15A/B SI PUMP SEAL WTR HX SHELL SIDE OUTLET FE	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	FI-00601	HX-3A/B NON-REGEN HX SHELL SIDE OUTLET FLOW IND	N	N	N	N	3	N	N	N	N	N	N	WEST 110E018 SH3
P81	FI-00603	SAMPLE SYSTEM HX SHELL SIDE OUTLET FLOW IND	N	N	N	N	3	N	N	N	N	N	N	WEST 110E018 SH3
P81	FI-00605	HX-5 SEAL WTR RET HX SHELL SIDE OUTLET FLOW IND	N	N	N	N	3	N	N	N	N	N	N	WEST 110E018 SH3
P81	FI-00607	HX-4 ELHX SHELL SIDE OUTLET FLOW INDICATOR	N	N	N	N	3	N	N	N	N	N	N	WEST 110E018 SH2
P81	FI-00610	P-18 RCP THERMAL BARRIER COOLING RETURN FLOW IND	N	N	N	N	3	N	N	N	N	N	N	WEST 110E018 SH2
P81	FI-00611	P-18 RCP LOWER OIL COOLER CC RETURN FLOW IND	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	FI-00614	P-1A RCP THERMAL BARRIER COOLING RETURN FLOW IND	N	N	N	N	3	N	N	N	N	N	N	WEST 110E018 SH2
P81	FI-00615	P-1A RCP LOWER OIL COOLER CC RETURN FLOW IND	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH2
P81	FI-00619	HX-12A/R CC HX RETURN FLOW INDICATOR	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	FI-00642	HX-8A BA EVAP CC RETURN FLOW INDICATOR	N	N	N	N	3	N	N	N	N	N	N	WEST 110E018 SH3
P81	FIC-00609	P-1A RCP CC RETURN HEADER FLOW INDICATOR CTRL	N	N	N	N	3	N	N	N	N	N	N	WEST 110E018 SH2
P81	FIC-00613	P-18 RCP CC RETURN HEADER FLOW INDICATOR CTRL	N	N	N	N	3	N	N	N	N	N	N	WEST 110E018 SH2
P81	FIS-00640	P-10A/B RHR PUMP SEAL WTR HX SHELL SIDE OUT FIS	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH1
P81	FIS-00649	P-14A/B SPRAY PMP SEAL WTR HX SHELL SIDE OUT FIS	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	FIS-00650	P-15A/B SI PMP SEAL WTR HX SHELL SIDE OUTLET FIS	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	FQ-00619	HX-12A/B CC HX OUTLET FLOW INST LOOP PWR SUPPLY	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3
P81	FT-00619	HX-12A/B CC HX OUTLET FLOW TRANSMITTER	Y	Y	Y	Y	N	1	N	N	N	N	N	WEST 110E018 SH3

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FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING  
 SORT: PRIMARY KEY

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
*****	*****	*****	A	Q	O	E	CIV	P
*	*	*	*	*	*	*	***	*
PB1	FT-00640	P-10A/B RHR PUMP SEAL WATER HX SHELL SIDE OUT FT	Y	Y	N	1	N	N WEST 110E018 SH1
PB1	FT-00649	P-14A/B SPRAY PUMP SEAL WTR HX SHELL SIDE OUT FT	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	FT-00650	P-15A/B SI PUMP SEAL WATER HX SHELL SIDE OUT FT	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	HX-012A	COMPONENT COOLING WATER HEAT EXCHANGER	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	ICP-05.045	COMPONENT COOLING WATER FLOW	L	L	L	L	N	N NONE
PB1	LC-00618A-X	T-12 CC SURGE TANK HIGH LEVEL ALARM RELAY	N	N	N	3	N	N NONE
PB1	LC-00618A/B	T-12 CC SURGE TANK LEVEL BISTABLE	N	N	N	3	N	N WEST 110E018 SH3
PB1	LC-00618A-X	T-12 CC SURGE TANK LOW LEVEL ALARM RELAY	N	N	N	3	N	N NONE
PB1	LI-00618A	T-12 CC SURGE TANK LEVEL INDICATOR	N	N	N	3	N	N WEST 110E018 SH3
PB1	LI-00618B	T-12 CC SURGE TANK LEVEL INDICATOR	N	N	N	3	N	N WEST 110E018 SH3
PB1	LT-00618	T-12 CC SURGE TANK LEVEL TRANSMITTER	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	O-1Y-0012	1P-11A/B COMPONENT COOLING WATER PUMPS/VALVES	Y	Y	N	1	Y	N NONE
PB1	O-1T-0012D	1P-11A/B COMPONENT COOLING WATER PUMPS/VALVES	Y	Y	N	1	Y	N NONE
PB1	O-1T-1030	UNIT 1 RHR SYSTEM 40-MONTH FUNCTIONAL TEST	Y	Y	N	1	N	N NONE
PB1	O-1T-1120	(RETIRED) UNIT 1 CC SYSTEM 40-MO INSERVICE TEST	Y	Y	N	1	N	N NONE
PB1	O-1T-1190.4	1P-1A RCP COMPONENT COOLING WATER SYSTEM HYDRO	Y	Y	N	1	N	N NONE
PB1	O-1T-1190.5	1P-1B RCP COMPONENT COOLING WATER SYSTEM HYDRO	Y	Y	N	1	N	N NONE
PB1	J-1T-1190.6	1HX-4 EXCESS LETDOWN HX CCW SYSTEM HYDRO	Y	Y	N	1	N	N NONE
PB1	O-PC-044	(RETIRED) SHIFT OF RUNNING COMPONENT COOLING PP	Y	Y	N	1	N	N NONE
PB1	P-011A	COMPONENT COOLING WATER PUMP	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	P-011A-M	COMPONENT COOLING WATER PUMP MOTOR	Y	Y	Y	1	N	N WEST 110E018 SH3
PB1	P-011B	COMPONENT COOLING WATER PUMP	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	P-011B-M	COMPONENT COOLING WATER PUMP MOTOR	Y	Y	Y	1	N	N WEST 110E018 SH3
PB1	PC-00639-X1	EX-12A/B CC HX HEADER PRESSURE LOW ALARM RELAY	N	N	N	3	N	N NONE
PB1	PC-00639-X2	HX-12A/B CC HX HEADER PRESSURE LOW ALARM RELAY	N	N	N	3	N	N NONE
PB1	PI-00617A	P-11A CC PUMP DISCHARGE PRESSURE INDICATOR	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	PI-00617B	P-11B CC PUMP DISCHARGE PRESSURE INDICATOR	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	PI-00620	HX-12A/B CC HX OUTLET HEADER PRESSURE INDICATOR	N	N	N	3	N	N WEST 110E018 SH3
PB1	PI-00692A	RESERVED FOR PLB	*					
PB1	PI-00692B	RESERVED FOR PLB	*					
PB1	PIC-00639	P-11A/B CC PUMP DISCHARGE HEADER PRESS IND CTRL	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	PIPING AC 0152N-01	CC PUMP DISCH TO CC HX INC RECIRC LINE	Y	Y	N	1	N	N WEST 110E018 SH1
PB1	PIPING AC 0152N-02	CC WATER FROM CC HX TO CC WATER SUPPLY HEADER	Y	Y	N	1	N	N WEST 110E018 SH2
PB1	PIPING AC 0152N-03	CC WATER SUPPLY HEADER	Y	Y	N	1	N	N WEST 110E018 SH1
PB1	PIPING AC 0152N-04	CC WTR THRU PRIM COOLANT PMP/SPLY HDR TO RET HDR	Y	Y	N	1	N	N WEST 110E018 SH2
PB1	PIPING AC 0152N-05	CC WATER THRU EXCESS LETDOWN HX	Y	Y	N	1	N	N WEST 110E018 SH2
PB1	PIPING AC 0152N-06	SUPPLY HEADER THRU RHX TO RETURN HEADER	Y	Y	N	1	N	N WEST 110E018 SH1
PB1	PIPING AC 0152N-07	CC RETURN HEADER	Y	Y	N	1	N	N WEST 110E018 SH2
PB1	PIPING AC 0152N-08	COOLING WATER THRU RHR PUMPS	Y	Y	N	1	N	N WEST 110E018 SH1
PB1	PIPING AC 0152N-09	CC WATER THRU CONT SPRAY PUMPS AND SI PUMPS	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	PIPING AC 0152N-10	CC WATER THRU NON-REGENERATIVE HX'S	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	PIPING AC 0152N-11	CC WATER THRU BA EVAP AND DISTILLATE COOLER	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	PIPING AC 0152N-12	CC WATER THRU WASTE EVAP/WASTE GAS COMPRESSOR	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	PIPING AC 0152N-13	CC WATER THRU SEAL WATER HX	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	PIPING AC 0152N-14	CC WATER THRU SAMPLE HX AND SGBD HX	Y	Y	N	1	N	N WEST 110E018 SH3
PB1	PIPING AC 0152N-15	RETURN HEADER TO CC PUMP SUCTION	Y	Y	N	1	N	N WEST 110E018 SH2
PB1	PIPING AC 0152N-16	SURGE LINE TO SURGE TANK INC DRAINS AND VENTS	Y	Y	N	1	N	N WEST 110E018 SH2
PB1	PIPING AC 2503N-01	COOLING WATER TO RCP THERMAL BARRIER	Y	Y	N	1	N	N WEST 110E018 SH2
PB1	PIPING WD 0152N-01	CC WATER THRU WASTE EVAP PACKAGE	N	N	N	1	N	N WEST 684J971
PB1	POS-00017	T-12 CC SURGE TANK RAD CTLD VENT POSITION SW	N	N	N	3	N	N NONE
PB1	PJS-00761A	P-1A RCP THERMAL BARRIER COOLING RETURN POS SW	N	N	N	3	N	N NONE
PB1	POS-00761B	P-1B RCP THERMAL BARRIER COOLING RETURN POS SW	N	N	N	3	N	N NONE



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*****	*****	*****	A	R	Q	E	CIV	P
PB1	POS-00769	HX-4 ELHX SHELL SIDE OUTLET POSITION SWITCH	Y	N	N	1	N	N
PB1	PS AC 152N-1-H37A	CC PIPING SUPPORT	*					NONE
PB1	PS AC 152N-1-H38A	CC PIPING SUPPORT	*					NONE
PB1	PS AC 152N-1-H48A	CC PIPING SUPPORT	*					NONE
PB1	PS AC 152N-1-S476	CC PIPING SUPPORT	*					NONE
PB1	PS AC 152N-2-H302	CC PIPING SUPPORT	*					NONE
PB1	PS AC 152N-2-H303	CC PIPING SUPPORT	*					NONE
PB1	PS AC 152N-2-H312	CC PIPING SUPPORT	*					NONE
PB1	PS AC 152N-2-H314	CC PIPING SUPPORT	*					NONE
PB1	PS AC 152N-2-H48	CC PIPING SUPPORT	*					NONE
PB1	PS AC 152N-2-H49	CC PIPING SUPPORT	*					NONE
PB1	PS AC 152N-2-H53	CC PIPING SUPPORT	*					NONE
PB1	PS AC 152N-2-H53A	CC PIPING SUPPORT	*					NONE
PB1	RK-75	P-10A/B RHR PUMP SEAL WATER HX CC FIS RACK	Y	Y	N	1	N	N
PB1	RK-76	P-14A/B CONT SPRAY PUMP SEAL WTR HX CC FIS RACK	Y	Y	N	1	N	N
PB1	RK-77	P-15A/B SI PUMP SEAL WATER HX CC FIS RACK	Y	Y	N	1	N	N
PB1	^ -012	COMPONENT COOLING SURGE TANK	Y	Y	N	1	N	N
PB1	TB-649	Y-06 VITAL INSTRUMENT PANEL TERMINAL BOX	Y	N	N	1	N	N
PB1	TC-00621	HX-12A/B CC HX OUTLET HDR HIGH ALARM TEMP CTLR	N	N	N	1	N	N
PB1	TE-00608	P-1B RCP CC RETURN HEADER TEMPERATURE RTD	Y	Y	N	1	N	N
PB1	TE-00612	P-1A RCP CC RETURN HEADER TEMPERATURE RTD	Y	Y	N	1	N	N
PB1	TE-00616	P-11A/B CC PUMP SUCTION HEADER TEMPERATURE RTD	Y	Y	N	1	N	N
PB1	TE-00621	HX-12A/B CC HX OUTLET HEADER TEMPERATURE RTD	Y	Y	Y	1	N	N
PB1	TI-00600	HX-3A/B NOM-REGEN HX SHELL SIDE OUTLET TEMP IND	N	N	N	3	N	N
PB1	TI-00602	SAMPLE SYSTEM HX SHELL SIDE OUTLET TEMP IND	Y	Y	N	1	N	N
PB1	TI-00604	HX-5 SEAL WTR RET HX SHELL SIDE OUTLET TEMP IND	N	N	N	3	N	N
PB1	TI-00606	HX-4 ELHX SHELL SIDE OUTLET TEMPERATURE IND	Y	Y	N	1	N	N
PB1	TI-00608	P-1B RCP CC RETURN HEADER TEMPERATURE INDICATOR	N	N	N	3	N	N
PB1	TI-00612	P-1A RCP CC RETURN HEADER TEMPERATURE INDICATOR	N	N	N	3	N	N
PB1	TI-00616	P-11A/B CC PUMP SUCTION HEADER TEMPERATURE IND	N	N	N	3	N	N
PB1	TI-00621	HX-12A/B CC HX OUTLET TEMPERATURE INDICATOR	Y	N	N	1	N	N
PB1	TIC-00608	P-1B RCP CC RETURN HEADER TEMPERATURE IND CTLR	N	N	N	3	N	N
PB1	TIC-00612	P-1A RCP CC RETURN HEADER TEMPERATURE IND CTLR	N	N	N	3	N	N
PB1	TIC-00621A	HX-12A CC HX OUTLET TEMPERATURE INDICATOR CTLR	Y	Y	N	1	N	N
PB1	TM-00608	P-1B RCP CC RETURN TEMPERATURE R/I CONVERTER	N	N	N	3	N	N
PB1	TM-00612	P-1A RCP CC RETURN TEMPERATURE R/I CONVERTER	N	N	N	3	N	N
PB1	TM-00616	P-11A/B CC PUMP INLET HEADER TEMP R/I CONVERTER	N	N	N	3	N	N
PB1	TM-00621	HX-12A/B CC HX OUTLET TEMPERATURE R/I CONVERTER	N	N	N	3	N	N
PB1	1/CC-00017	T-12 CC SURGE TANK RADIATION CTLD VENT CTL SW	*					NONE
PB1	1/CC-00719	CONT EQUIP CC SUPPLY HEADER OUTBOARD ISOL CTL SW	*					NONE
PB1	1/CC-00738A	HX-11A RHR HX SHELL SIDE INLET CONTROL SWITCH	*					NONE
PB1	1/CC-00738B	HX-11B RHR HX SHELL SIDE INLET CONTROL SWITCH	*					NONE
PB1	1/CC-00754A	P-1A RCP CC INLET MOV CONTROL SWITCH	*					NONE
PB1	1/CC-00754B	P-1B RCP CC INLET MOV CONTROL SWITCH	*					NONE
PB1	1/CC-00759A	P-1A RCP CC OUTLET MOV CONTROL SWITCH	*					NONE
PB1	1/CC-00759B	P-1B RCP CC OUTLET MOV CONTROL SWITCH	*					NONE
PB1	1/CC-00761A	P-1A RCP THERMAL BARRIER COOLING RETURN CTL SW	*					NONE
PB1	1/CC-00761B	P-1B RCP THERMAL BARRIER COOLING RETURN CTL SW	*					NONE
PB1	1/CC-00769	HX-4 ELHX SHELL SIDE OUTLET CONTROL SWITCH	*					NONE
PB1	1/CC-00815	T-12 CC SURGE TANK EMER MAKEUP WTR INLET CTL SW	*					NONE
PB1	1/P-011A	P-11A COMPONENT COOLING WATER PUMP CONTROL SW	*					NONE
PB1	1/P-011B	P-11B COMPONENT COOLING WATER PUMP CONTROL SW	*					NONE

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POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	CIV	P
			*	*	*	*	***	C
PB2	CC	CC SYSTEM MULTI AND/OR NON-NUMBERED EQUIPMENT	*	*	*	*	*	N
PB2	CC-D-02	HX-3A/B NON-REGEN HX SHELL SIDE INLET DRAIN	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-D-03	HX-3A/B NON-REGEN HX INTERSTAGE DRAIN	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-D-04	HX-3A/B NON-REGEN HX SHELL SIDE OUTLET DRAIN	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-D-05	P-1B RCP THERMAL BARRIER COOLING RETURN DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-06	P-1A/B RCP/HX-4 ELHX COMB SUPPLY HEADER DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-07	HX-4 ELHX SHELL SIDE OUTLET DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-08	HX-4 ELHX SHELL SIDE INLET DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-09	P-1B RCP CC RETURN HEADER DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-10	P-1A RCP CC RETURN HEADER DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-11	P-1A/B RCP CC RETURN HEADER DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-12	HX-8B BA EVAP/HX-9B DIST CLR CC RETURN HDR DRAIN	N	N	N	1	N	WEST 110E029 SH3
PB2	CC-D-13	HX-11B RHR HX SHELL SIDE OUTLET DRAIN	Y	Y	N	1	N	WEST 110E029 SH1
PB2	CC-D-14	HX-11A RHR HX SHELL SIDE OUTLET DRAIN	Y	Y	N	1	N	WEST 110E029 SH1
PB2	CC-D-15	HX-8B BA EVAP CC SUPPLY DRAIN	N	N	N	1	N	WEST 110E029 SH3
PB2	CC-D-16D	HX-12D CC HX SHELL SIDE DRAIN	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-D-17D	HX-12D CC HX OUTLET RELIEF DRAIN	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-D-18	P-1B RCP THERMAL BARRIER COOLING RETURN DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-19	P-1B RCP LOWER OIL COOLER CC RETURN DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-20	P-1A RCP LOWER OIL COOLER CC RETURN DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-21	P-1A RCP THERMAL BARRIER COOLING RETURN DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-22	P-1A RCP CC RETURN HEADER DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-23	P-1A RCP CC RETURN HEADER DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-D-24	P-1A RCP CC RETURN HEADER DRAIN	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-V-01	SAMPLE SYSTEM HX SHELL SIDE INLET VENT	N	N	N	3	N	WEST 110E029 SH3
PB2	CC-V-02	SAMPLE SYSTEM HX SHELL SIDE OUTLET HEADER VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-V-03	HX-3B NON-REGEN HX VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-V-04	HX-3A NON-REGEN HX VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-V-06	P-1B RCP CC SUPPLY HEADER VENT	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-V-07	P-1B RCP CC RETURN HEADER VENT	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-V-08	P-1A RCP CC SUPPLY HEADER VENT	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-V-09	P-1A RCP CC RETURN HEADER VENT	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-V-10	HX-11B RHR HX SHELL SIDE VENT	Y	Y	N	1	N	WEST 110E029 SH1
PB2	CC-V-11	HX-11A RHR HX SHELL SIDE VENT	Y	Y	N	1	N	WEST 110E029 SH1
PB2	CC-V-13D	CC WATER SUPPLY LINE VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-V-14D	CC WATER RETURN LINE VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-V-15D	HX-12D CC HX OUTLET VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-V-18	P-1A RCP UPPER OIL COOLER CC SUPPLY VENT	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-V-19	P-1A RCP UPPER OIL COOLER CC RETURN VENT	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-V-20	P-1B RCP UPPER OIL COOLER CC SUPPLY VENT	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-V-21	P-1B RCP UPPER OIL COOLER CC RETURN VENT	Y	Y	N	1	N	WEST 110E029 SH2
PB2	CC-V-22	P-11A CC PUMP CASING VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-V-23	P-11B CC PUMP CASING VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-V-24	P-11A/B CC PUMP SUCTION HEADER VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-00017	T-12 CC SURGE TANK RADIATION CONTROLLED VENT	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-00017-0	T-12 CC SURGE TANK RADIATION CTLD VENT OPERATOR	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-00017-S	T-12 CC SURGE TANK RADIATION CTLD VENT SOLENOID	Y	Y	N	1	N	WEST 110E029 SH3
PB2	CC-00691A	RESERVED FOR PLB	*	*	*	*	*	
PB2	CC-00691B	RESERVED FOR PLB	*	*	*	*	*	
PB2	CC-00693	RESERVED FOR B. SMITH (IMPELL)	*	*	*	*	*	
PB2	CC-00694	RESERVED FOR B. SMITH (IMPELL)	*	*	*	*	*	
PB2	CC-00695	RESERVED FOR B. SMITH (IMPELL)	*	*	*	*	*	

FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

SORT: PRIMARY KEY

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
*****	*****	*****	A	R	O	E	CIV	*****
P82	CC-00696	RESERVED FOR B. SMITH (IMPELL)	*					
P82	CC-00697	RESERVED FOR B. SMITH (IMPELL)	*					
P82	CC-00698	RESERVED FOR B. SMITH (IMPELL)	*					
P82	CC-00699	RESERVED FOR B. SMITH (IMPELL)	*					
P82	CC-00707A	P-10A RHR PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	N	1	N	WEST 110E029 SH1
P82	CC-00707B	P-10B RHR PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	N	1	N	WEST 110E029 SH1
P82	CC-00708A	P-10A RHR PUMP SEAL WATER HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E029 SH1
P82	CC-00708B	P-10B RHR PUMP SEAL WATER HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00719	CONT EQUIP CC SUPPLY HEADER OUTBOARD ISOLATION	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00719-M	CONT EQUIP CC SUPPLY HEADER OUTBOARD ISOL OPER	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00719-0	CONT EQUIP CC SUPPLY HEADER OUTBOARD ISOL OPER	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00721D	HX-12D OUTLET SAFETY RELIEF TO T-12 CC SURGE TK	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00723A	P-11A CC PUMP SUCTION	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00723B	P-11B CC PUMP SUCTION	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00724A	P-11A CC PUMP DISCHARGE CHECK	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00724B	P-11B CC PUMP DISCHARGE CHECK	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00725A	P-11A CC PUMP DISCHARGE	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00725B	P-11B CC PUMP DISCHARGE	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00726B	HX-12B CC HX INLET FROM UNIT 1	Y	Y	N	1	N	WEST 110E018 SH3
P82	CC-00726C	HX-12C CC HX INLET FROM UNIT 1	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00726D	HX-12D CC HX INLET FROM P-11A/B CC PUMP	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00727	HX-12B/C CC HX INLET	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00728B	HX-12C CC HX OUTLET	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00728C	HX-12C CC HX OUTLET TO UNIT 2 EQUIPMENT	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00728D	HX-12D CC HX OUTLET	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00729	HX-12B/C CC HX OUTLET HEADER ISOLATION	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00730A	P-1A THERMAL BARRIER CLG FI-614 RET LO SIDE ROOT	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00730B	P-1A THERMAL BARRIER CLG FI-614 RET HI SIDE ROOT	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00730C	P-1A RCP CC FIC-609 RETURN LOW SIDE ROOT	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00730D	P-1A RCP CC FIC-609 RETURN HIGH SIDE ROOT	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00731A	P-1B THERMAL BARRIER CLG FI-610 RET LO SIDE ROOT	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00731B	P-1B THERMAL BARRIER CLG FI-610 RET HI SIDE ROOT	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00731C	P-1B RCP CC FIC-613 RETURN LOW SIDE ROOT	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00731D	P-1B RCP CC FIC-613 RETURN HIGH SIDE ROOT	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00734A	HX-12C/D CC HX FT-619 OUTLET HIGH SIDE ROOT	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00734B	HX-12C/D CC HX FT-619 OUTLET LOW SIDE ROOT	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00734C	HX-12C/D CC HX PI-620 OUTLET ROOT	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00735A	HX-4 ELHX SHELL SIDE FI-607 OUTLET LO SIDE ROOT	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00735B	HX-4 ELHX SHELL SIDE FI-607 OUTLET HI SIDE ROOT	Y	Y	N	1	N	WEST 110E029 SH2
P82	CC-00735C	HX-11A RHR HX SHELL SIDE OUTLET RELIEF	Y	Y	N	1	N	WEST 110E029 SH1
P82	CC-00736A	HX-11B RHR HX SHELL SIDE OUTLET RELIEF	Y	Y	N	1	N	WEST 110E029 SH1
P82	CC-00736B	HX-11A RHR HX SHELL SIDE INLET	Y	Y	N	1	N	WEST 110E029 SH1
P82	CC-00738A	HX-11A RHR HX SHELL SIDE INLET MOTOR	Y	Y	Y	1	N	WEST 110E029 SH1
P82	CC-00738A-M	HX-11A RHR HX SHELL SIDE INLET OPERATOR	Y	Y	Y	1	N	WEST 110E029 SH1
P82	CC-00738A-0	HX-11A RHR HX SHELL SIDE INLET OPERATOR	Y	Y	Y	1	N	WEST 110E029 SH1
P82	CC-00738B	HX-11B RHR HX SHELL SIDE INLET	Y	Y	N	1	N	WEST 110E018 SH1
P82	CC-00738B-M	HX-11B RHR HX SHELL SIDE INLET MOTOR	Y	Y	Y	1	N	WEST 110E029 SH1
P82	CC-00738B-0	HX-11B RHR HX SHELL SIDE INLET OPERATOR	Y	Y	Y	1	N	WEST 110E029 SH1
P82	CC-00739A	HX-11A RHR HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E029 SH1
P82	CC-00739B	HX-11B RHR HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E029 SH1
P82	CC-00740A	HX-3A/B NON-REGEN HX SHELL SIDE INLET	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00740B	HX-3A/B NON-REGEN HX SHELL SIDE OUTLET	Y	Y	N	1	N	WEST 110E029 SH3
P82	CC-00741A	P-11A CC PUMP PI-617A DISCHARGE ROOT	Y	Y	N	1	N	WEST 110E029 SH3

FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID	
			A	R	Q	E	CIV	P	
****	*****	*****	*	*	*	*	***	*	
PB2	CC-00741B	P-11B CC PUMP PI-617B DISCHARGE ROOT	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00741C	P-11A/B CC PUMP PIC-639 DISCHARGE ROOT	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00744A	HX-8B BA EVAP COMPONENT COOLING SUPPLY	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00744B	HX-8B BA EVAP HX-9B DIST CLR CC RETURN HEADER	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00745	CONT EQUIPMENT CC RETURN HEADER CHECK	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00746A	SAMPLE SYSTEM HX SHELL SIDE INLET HEADER	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00746B	SAMPLE SYSTEM HX SHELL SIDE OUTLET HEADER	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00747A	SAMPLE SYSTEM HX SHELL SIDE INLET HEADER RELIEF	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00747B	HX-8B BA EVAP CC OUTLET RELIEF	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00747C	HX-9B DISTILLATE COOLER CC OUTLET RELIEF	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00747D	HX-3A/B NOM-REGEN HX SHELL SIDE OUTLET RELIEF	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00748A	HX-9B DISTILLATE COOLER CC INLET	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00748B	HX-9B DISTILLATE COOLER CC OUTLET	N	N	N	1	N	N	WEST 110E029 SH3
PB2	CC-00749A	HX-14A PZR STEAM SAMPLE HX SHELL SIDE OUTLET	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00749B	HX-14B PZR LIQUID SAMPLE HX SHELL SIDE OUTLET	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00749C	HX-14C REACTOR HOT LEG SMPL HX SHELL SIDE OUTLET	Y	Y	U	1	Y	N	WEST 110E029 SH3
PB2	CC-00749D	HX-59A SG A BD SAMPLE HX SHELL SIDE OUTLET	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00749E	HX-59B SG B BD SAMPLE HX SHELL SIDE OUTLET	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00750A	HX-5A SEAL WATER RETURN HX SHELL SIDE INLET	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00750B	HX-5 SEAL WATER RETURN HX SHELL SIDE OUTLET	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00751	HX-5 SEAL WTR RETURN HX SHELL SIDE OUTLET RELIEF	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00752	HX-5 SEAL WTR RETURN HX SHELL SIDE OUT THROTTLE	Y	Y	N	1	N	N	WEST 110E029 SH3
PB2	CC-00753	HX-8B BA EVAP CC OUTLET THROTTLE	N	N	N	1	N	N	WEST 110E029 SH3
PB2	CC-00754A	P-1A RCP CC INLET MOV	Y	Y	N	1	Y	N	WEST 110E029 SH2
PB2	CC-00754A-M	P-1A RCP CC INLET MOV MOTOR	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00754A-O	P-1A RCP CC INLET MOV OPERATOR	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00754B	P-1B RCP CC INLET MOV	Y	Y	N	1	Y	N	WEST 110E029 SH2
PB2	CC-00754B-M	P-1B RCP CC INLET MOV MOTOR	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00754B-O	P-1B RCP CC INLET MOV OPERATOR	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00755A	P-1A RCP CC HEADER CHECK	Y	Y	N	1	Y	N	WEST 110E029 SH2
PB2	CC-00755B	P-1B RCP CC HEADER CHECK	Y	Y	N	1	Y	N	WEST 110E029 SH2
PB2	CC-00756A	P-1A RCP UPPER OIL COOLER CC INLET	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00756B	P-1B RCP UPPER OIL COOLER CC INLET	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00757A	P-1A RCP LOWER OIL COOLER CC INLET	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00757B	P-1B RCP LOWER OIL COOLER CC INLET	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00758A	P-1A RCP THERMAL BARRIER COOLING INLET CHECK	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00758B	P-1B RCP THERMAL BARRIER COOLING INLET CHECK	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00759A	P-1A RCP CC OUTLET MOV	Y	Y	N	1	Y	N	WEST 110E029 SH2
PB2	CC-00759A-M	P-1A RCP CC OUTLET MOV MOTOR	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00759A-O	P-1A RCP CC OUTLET MOV OPERATOR	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00759B	P-1B RCP CC OUTLET MOV	Y	Y	N	1	Y	N	WEST 110E029 SH2
PB2	CC-00759B-M	P-1B RCP CC OUTLET MOV MOTOR	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00759B-O	P-1B RCP CC OUTLET MOV OPERATOR	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00760A	P-1A RCP LOWER OIL COOLER CC OUTLET	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00760B	P-1B RCP LOWER OIL COOLER CC OUTLET	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00761A	P-1A RCP THERMAL BARRIER COOLING RETURN	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00761A-O	P-1A RCP THERMAL BARRIER COOLING RETURN OPERATOR	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00761A-S	P-1A RCP THERMAL BARRIER COOLING RETURN SOLENOID	Y	Y	N	1	N	N	NONE
PB2	CC-00761B	P-1B RCP THERMAL BARRIER COOLING RETURN	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00761B-O	P-1B RCP THERMAL BARRIER COOLING RETURN OPERATOR	Y	Y	N	1	N	N	WEST 110E029 SH2
PB2	CC-00761B-S	P-1B RCP THERMAL BARRIER COOLING RETURN SOLENOID	Y	Y	N	1	N	N	NONE
PB2	CC-00762A	P-1A RCP THERMAL BARRIER COOLING RETURN RELIEF	Y	Y	N	1	N	N	WEST 110E029 SH2



DATE 12/14/92  
TIME 12:25

\*\*\*\*\* C H P S \*\*\*\*\*  
SORT: PRIMARY KEY

MISC POINT BEACH  
EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

UNIT	EQUIPMENT NUMBER	EQUIPMENT NAME	Q	A	S	R	S	E	O	E	S	CIV	F	P	P & ID
P82	CC-007628	P-18 RCP THERMAL BARRIER COOLING RETURN RELIEF	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00763A	P-1A RCP CC RETURN HEADER RELIEF	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-007638	P-1B RCP CC RETURN HEADER RELIEF	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00764A	P-1A RCP UPPER OIL COOLER CC OUTLET	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00764B	P-1B RCP UPPER OIL COOLER CC OUTLET	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00765A	P-1A RCP CC RETURN HEADER STOP	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00765B	P-1B RCP CC RETURN HEADER STOP	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00766	HX-4 ELHX SHELL SIDE INLET	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00767	HX-4 ELHX SHELL SIDE INLET CHECK	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00768	HX-4 ELHX SHELL SIDE OUTLET RELIEF	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00769	HX-4 ELHX SHELL SIDE OUTLET	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00769-0	HX-4 ELHX SHELL SIDE OUTLET OPERATOR	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00769-S	HX-4 ELHX SHELL SIDE OUTLET SOLENOID	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00772	HX-4 ELHX SHELL SIDE OUTLET STOP	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH2
P82	CC-00773	T-12 CC SURGE TANK DEMINERALIZED WATER INLET	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00774	T-12 CC SURGE TANK OUTLET	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00775A	T-12 CC SURGE TANK SAMPLE	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00775B	P-11A/B CC PUMP SUCTION HEADER LOCAL SAMPLE	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00777A	T-12 CC SURGE TANK LT-618 LOWER ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00777B	T-12 CC SURGE TANK LT-618 UPPER ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00777C	T-12 CC SURGE TANK DRAIN	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00778A	HX-88 BA EVAP CC FI-642 OUTLET HIGH SIDE ROOT	N	N	N	N	N	N	N	N	N	N	N	N	WEST 110E029 SH3
P82	CC-00778B	HX-88 BA EVAP CC FI-642 OUTLET LOW SIDE ROOT	N	N	N	N	N	N	N	N	N	N	N	N	WEST 110E029 SH3
P82	CC-00778C	HX-5 SHELL SIDE FI-605 OUTLET HIGH SIDE ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00778D	HX-5 SHELL SIDE FI-605 OUTLET LOW SIDE ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00778E	SMPL SYS HX SHELL SIDE FI-603 OUT HIGH SIDE ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00778F	SMPL SYS HX SHELL SIDE FI-603 OUT LOW SIDE ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00778G	HX-3A/B SHELL SIDE FI-601 OUTLET HIGH SIDE ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00778H	HX-3A/B SHELL SIDE FI-601 OUTLET LOW SIDE ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00778J	P-14A/B SEAL WATER HX FT-649 HIGH SIDE ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00778K	P-14A/B SEAL WATER HX FT-649 LOW SIDE ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00778L	P-15A/B SEAL WATER HX FT-650 HIGH SIDE ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00778M	P-15A/B SEAL WATER HX FT-650 LOW SIDE ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00778N	P-10A/B SEAL WATER HX FT-640 HIGH SIDE ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH1
P82	CC-00778P	P-10A/B SEAL WATER HX FT-640 LOW SIDE ROOT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH1
P82	CC-00779	T-12 CC SURGE TANK SAFETY RELIEF TO WASTE HUT	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00779A	T-12 CC SURGE TANK VACUUM BREAKER	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00780	T-12 CC SURGE TANK DRAIN	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00783A	P-14A/B SEAL WTR HX SHELL SIDE WATER INLET CHECK	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00783B	P-14A/B SEAL WTR HX SHELL SIDE OUTLET HDR THRTL	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00783C	P-15A/B SEAL WTR HX SHELL SIDE OUTLET HDR STOP	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00783D	P-15A/B SEAL WTR HX SHELL SIDE OUTLET HDR THRTL	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00783E	P-10A/B SEAL WTR HX SHELL SIDE OUTLET HDR STOP	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH1
P82	CC-00784	T-12 CC SURGE TANK RECIRC	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00790A	P-11A CC PUMP SUCTION DRAIN	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00790B	P-11B CC PUMP SUCTION DRAIN	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00791A	P-11A CC PUMP DISCHARGE DRAIN	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00791B	P-11B CC PUMP DISCHARGE DRAIN	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00814A	P-15A SI PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00814B	P-15A SI PUMP SEAL WATER HX SHELL SIDE OUTLET	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00814C	P-15B SI PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3
P82	CC-00814D	P-15B SI PUMP SEAL WATER HX SHELL SIDE OUTLET	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST 110E029 SH3

MISC 1M ELECTRIC POWER - POINT BEACH  
 POINT BEACH NUCLEAR PLANT

FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

UNIT	EQUIPMENT NUMBER	EQUIPMENT NAME	G	A	R	S	E	Q	E	CIV	F	P	P	B	ID
P82	CC-00814E	P-15A SI PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	CC-00814F	P-15A SI PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	CC-00814G	P-15B SI PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	CC-00814H	P-15B SI PUMP SEAL WATER HX SHELL SIDE INLET	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	CC-00814I	P-14A CONT SPRAY PUMP SEAL WTR HX SHELL SIDE IM	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	CC-00814J	P-14A CONT SPRAY PUMP SEAL WTR HX SHELL SIDE OUT	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	CC-00814K	P-14B CONT SPRAY PUMP SEAL WTR HX SHELL SIDE IM	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	CC-00814L	P-14B CONT SPRAY PUMP SEAL WTR HX SHELL SIDE OUT	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	CC-00815	T-12 CC SURGE TANK EMERGENCY MAKEUP WATER INLET	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	CC-00815-M	T-12 CC SURGE TANK EMER MAKEUP WATER INLET MOTOR	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	CC-00815-O	T-12 CC SURGE TANK EMER MAKEUP WATER INLET OPER	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	CC-00824A	HX-31A RHR HX SHELL SIDE OUTLET THROTTLE	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH1
P82	CC-00824B	HX-11B RHR HX SHELL SIDE OUTLET THROTTLE	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH1
P82	CC-00865A	HX-4 ELHX SHELL SIDE INLET	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	CC-00865B	HX-4 ELHX SHELL SIDE OUTLET	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	CC-01410A	P-1A RCP CC HEADER TEST CONNECTION	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	CC-01410B	P-1B RCP CC HEADER TEST CONNECTION	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	CC-01411A	P-1A RCP CC HEADER TEST CONNECTION	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	CC-01411B	P-1B RCP CC HEADER TEST CONNECTION	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	CC-01412A	P-1A RCP CC RETURN HEADER TEST CONNECTION	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	CC-01412B	P-1B RCP CC RETURN HEADER TEST CONNECTION	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	CC-01413	HX-4 ELHX SHELL SIDE OUTLET TEST CONNECTION	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	CC-01414	HX-4 ELHX SHELL SIDE INLET TEST CONNECTION	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	CC-01415	HX-4 ELHX SHELL SIDE INLET TEST CONNECTION	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	FE-00601	HX-3A/B NON-REGEN HX SHELL SIDE OUTLET FLOW ELMT	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH3
P82	FE-00603	SAMPLE SYSTEM HX SHELL SIDE OUTLET FLOW ELEMENT	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	FE-00605	HX-5 SEAL WTR NET HX SHELL SIDE OUTLET FLOW ELMT	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	FE-00607	HX-4 ELHX SHELL SIDE OUTLET FLOW ELEMENT	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	FE-00609	P-1A RCP CC RETURN HEADER FLOW ELEMENT	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	FE-00610	P-1B RCP THERMAL BARRIER CLG RETURN FLOW ELEMENT	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	FE-00613	P-1B RCP CC RETURN BARRIER FLOW ELEMENT	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	FE-00614	P-1A RCP THERMAL BARRIER CLG RETURN FLOW ELEMENT	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH2
P82	FE-00640	P-10A/B RHR PMP SEAL WTR HX SHELL SIDE OUTLET FE	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH1
P82	FE-00542	HX-8B BA EVAP CC OUTLET FLOW ELEMENT	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH3
P82	FE-00649	P-14A/B SEAL WTR HX SHELL SIDE OUTLET FLOW ELMT	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	FE-00650	P-15A/B SI PUMP SEAL WTR HX SHELL SIDE OUTLET FE	Y	Y	Y	Y	Y	Y	Y	N	N	N	WEST	110E029	SH3
P82	FI-00601	HX-3A/B NON-REGEN HX SHELL SIDE OUTLET FLOW IND	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH3
P82	FI-00603	SAMPLE SYSTEM HX SHELL SIDE OUTLET FLOW IND	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH3
P82	FI-00605	HX-5 SEAL WTR NET HX SHELL SIDE OUTLET FLOW IND	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH2
P82	FI-00607	HX-4 ELHX SHELL SIDE OUTLET FLOW INDICATOR	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH2
P82	FI-00610	P-1B RCP THERMAL BARRIER COOLING RETURN FLOW IND	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH2
P82	FI-00611	P-1B RCP LOWER OIL COOLER CC RETURN FLOW IND	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH2
P82	FI-00614	P-1A RCP THERMAL BARRIER COOLING RETURN FLOW IND	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH2
P82	FI-00615	P-1A RCP LOWER OIL COOLER CC RETURN FLOW IND	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH2
P82	FI-00619	HX-12C/D CC HX RETURN FLOW INDICATOR	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH3
P82	FI-00642	HX-8B BA EVAP CC RETURN FLOW INDICATOR	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH3
P82	FIC-00609	P-1A RCP CC RETURN HEADER FLOW INDICATOR CTRL	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH2
P82	FIC-00613	P-1B RCP CC RETURN HEADER FLOW INDICATOR CTRL	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH2
P82	FIS-00640	P-10A/B RHR PUMP SEAL WTR HX SHELL SIDE OUT FIS	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH1
P82	FIS-00649	P-14A/B SPRAY PMP SEAL WTR HX SHELL SIDE OUT FIS	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH3
P82	FIS-00650	P-15A/B SI PMP SEAL WTR HX SHELL SIDE OUTLET FIS	N	N	N	N	N	N	N	N	N	N	WEST	110E029	SH3
P82	FQ-00619	HX-12C/D CC HX OUTLET FLOW INST LOOP PWR SUPPLY	N	N	N	N	N	N	N	N	N	N	NONE	110E029	SH3

\*\*\*\*\* P & ID \*\*\*\*\*

\*\*\*\*\* C H P S \*\*\*\*\*

MISC 1M ELECTRIC POWER - POINT BEACH  
 POINT BEACH NUCLEAR PLANT

FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

\*\*\*\*\* P & ID \*\*\*\*\*

FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
*****	*****	*****	A	R	Q	E	CIV	*****
PB2	FT-00619	HX-12C/D CC HX OUTLET FLOW TRANSMITTER	Y	Y	Y	1	N	WEST 110E029 SH3
PB2	FT-00640	P-10A/B RHR PUMP SEAL WATER HX SHELL SIDE OUT FT	Y	Y	N	1	N	WEST 110E029 SH1
PB2	FT-00649	P-14A/B SPRAY PUMP SEAL WTR HX SHELL SIDE OUT FT	Y	Y	N	1	N	WEST 110E029 SH3
PB2	FT-00650	P-15A/B SI PUMP SEAL WATER HX SHELL SIDE OUT FT	Y	Y	N	1	N	WEST 110E029 SH3
PB2	HX-012D	COMPONENT COOLING WATER HEAT EXCHANGER	Y	Y	N	1	N	WEST 110E029 SH3
PB2	ICP-05.045	COMPONENT COOLING WATER FLOW	L	L	L	L	N	NONE
PB2	LC-00618A-X	T-12 CC SURGE TANK HIGH LEVEL ALARM RELAY	N	N	N	3	N	NONE
PB2	LC-00618A/B	T-12 CC SURGE TANK LEVEL BISTABLE	N	N	N	3	N	WEST 110E029 SH3
PB2	LC-00618B-X	T-12 CC SURGE TANK LOW LEVEL ALARM RELAY	N	N	N	3	N	NONE
PB2	LI-00618A	T-12 CC SURGE TANK LEVEL INDICATOR	Y	N	N	3	N	WEST 110E029 SH3
PB2	LI-00618B	T-12 CC SURGE TANK LEVEL INDICATOR	N	N	N	3	N	WEST 110E029 SH3
PB2	LT-00618	T-12 CC SURGE TANK LEVEL TRANSMITTER	Y	Y	N	1	N	WEST 110E029 SH3
PB2	O-IT-0013	2P-11A/B COMPONENT COOLING WATER PUMPS/VALVES	Y	Y	N	1	Y	NONE
PB2	O-IT-0013D	2P-11A/B COMPONENT COOLING WATER PUMPS/VALVES	Y	Y	N	1	Y	NONE
PB2	O-IT-1035	UNIT 2 RHR SYSTEM 40-MONTH FUNCTIONAL TEST	Y	Y	N	1	N	NONE
PB2	O-IT-1125	UNIT 2 CC SYSTEM 40-MONTH INSERVICE TEST	Y	Y	N	1	N	NONE
PB2	O-IT-1195.4	2P-1A RCP COMPONENT COOLING WATER SYSTEM HYDRO	Y	Y	N	1	N	NONE
PB2	O-IT-1195.5	2P-1B RCP COMPONENT COOLING WATER SYSTEM HYDRO	Y	Y	N	1	N	NONE
PB2	O-IT-1195.6	2HX-4 EXCESS LETDOWN HX CCW SYSTEM HYDRO	Y	Y	N	1	N	NONE
PB2	O-PC-044	(RETIRED) SHIFT OF RUNNING COMPONENT COOLING PP	Y	Y	N	1	N	NONE
PB2	P-011A	COMPONENT COOLING WATER PUMP	Y	Y	N	1	N	WEST 110E029 SH3
PB2	P-011A-M	COMPONENT COOLING WATER PUMP MOTOR	Y	Y	Y	1	N	WEST 110E029 SH3
PB2	P-011B	COMPONENT COOLING WATER PUMP	Y	Y	N	1	N	WEST 110E029 SH3
PB2	P-011B-M	COMPONENT COOLING WATER PUMP MOTOR	Y	Y	Y	1	N	WEST 110E029 SH3
PB2	PC-00639-X1	HX-12C/D CC HX HEADER PRESSURE LOW ALARM RELAY	N	N	N	3	N	NONE
PB2	PC-00639-X2	HX-12C/D CC HX HEADER PRESSURE LOW ALARM RELAY	N	N	N	3	N	NONE
PB2	PI-00617A	P-11A CC PUMP DISCHARGE PRESSURE INDICATOR	N	N	N	3	N	WEST 110E029 SH3
PB2	PI-00617B	P-11B CC PUMP DISCHARGE PRESSURE INDICATOR	N	N	N	3	N	WEST 110E029 SH3
PB2	PI-00620	HX-12C/D CC HX OUTLET HEADER PRESSURE INDICATOR	N	N	N	3	N	WEST 110E029 SH3
PB2	PI-00692A	RESERVED FOR PLB	*					
PB2	PI-00692B	RESERVED FOR PLB	*					
PB2	PIC-00639	P-11A/B CC PUMP DISCHARGE HEADER PRESS IND CTLR	Y	Y	N	1	N	WEST 110E029 SH3
PB2	PIPING AC 0152N-01	CC PUMP DIS TO CC HX INCLUDING RECIRC LINE	Y	Y	N	1	N	WEST 110E029 SH1
PB2	PIPING AC 0152N-02	CC WATER FROM CC HX TO CC WATER SUPPLY HEADER	Y	Y	N	1	N	WEST 110E029 SH2
PB2	PIPING AC 0152N-03	CC WATER SUPPLY HEADER	Y	Y	N	1	N	WEST 110E029 SH1
PB2	PIPING AC 0152N-04	CC WTR THRU PRIM COOLANT PMP/SPLY HDR TO RET HDR	Y	Y	N	1	N	WEST 110E029 SH2
PB2	PIPING AC 0152N-05	CC WATER THRU EXCESS LETDOWN HX	Y	Y	N	1	N	WEST 110E029 SH2
PB2	PIPING AC 0152N-06	SUPPLY HEADER THRU RHX TO RETURN HEADER	Y	Y	N	1	N	WEST 110E029 SH1
PB2	PIPING AC 0152N-07	CC RETURN HEADER	Y	Y	N	1	N	WEST 110E029 SH2
PB2	PIPING AC 0152N-08	COOLING WATER THRU RHR PUMPS	Y	Y	N	1	N	WEST 110E029 SH1
PB2	PIPING AC 0152N-09	CC WATER THRU CONT SPRAY PUMPS AND SI PUMPS	Y	Y	N	1	N	WEST 110E029 SH3
PB2	PIPING AC 0152N-10	CC WATER THRU NON-REGENERATIVE HX'S	Y	Y	N	1	N	WEST 110E029 SH3
PB2	PIPING AC 0152N-11	CC WATER THRU BA EVAP AND DISTILLATE COOLER	Y	Y	N	1	N	WEST 110E029 SH3
PB2	PIPING AC 0152N-12	CC WATER THRU HX SUPPLY	Y	Y	N	1	N	WEST 110E029 SH3
PB2	PIPING AC 0152N-13	CC WATER THRU SEAL WATER HX	Y	Y	N	1	N	WEST 110E029 SH3
PB2	PIPING AC 0152N-14	CC WATER THRU SAMPLE HX AND SGBD HX	Y	Y	N	1	N	WEST 110E029 SH3
PB2	PIPING AC 0152N-15	RETURN HEADER TO CC PUMP SUCTION LINE	Y	Y	N	1	N	WEST 110E029 SH2
PB2	PIPING AC 0152N-16	SURGE LINE TO SURGE TANK INC DRAINS AND VENTS	Y	Y	N	1	N	WEST 110E029 SH2
PB2	PIPING AC 2503N-01	COOLING WATER TO RCP THERMAL BARRIER	Y	Y	N	1	N	WEST 110E029 SH2
PB2	PIPING WD 0152N-01	CC WATER THRU WASTE EVAP PACKAGE	N	N	N	1	N	WEST 684J971
PB2	POS-00017	T-12 CC SURGE TANK RAD CTLD VENT POSITION SWITCH	N	N	N	3	N	NONE
PB2	POS-00761A	P-1A RCP THERMAL BARRIER COOLING RETURN POS SW	N	N	N	3	N	NONE

FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	?	8	10
****	*****	*****	A	R	Q	C	CIV	P		*****
PB2	POS-007618	P-1B RCP THERMAL BARRIER COOLING RETURN POS SW	N	N	N	3	N	N		NONE
PB2	POS-00769	HX-4 ELHX SHELL SIDE OUTLET POSITION SWITCH	Y	N	N	1	N	N		NONE
PB2	PS AC 152N-1-H120	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-2-S478	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-H200	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-SB2	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R144	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R145	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R146	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R149	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R150	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R151	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R152	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R154	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R155	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R158	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R159	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R162	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R164	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R165	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R166	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R168	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R174	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R175	CC PIPING SUPPORT	*							NONE
PB2	PS AC 152N-4-2R177	CC PIPING SUPPORT	*							NONE
PB2	P2-2330	CCW SYSTEM HYDROS	N	N	N	3	N	N		NONE
PB2	RK-75	P-10A/B RHR PUMP SEAL WATER HX CC FIS RACK	Y	Y	N	1	N	N		NONE
PB2	RK-76	P-14A/B CONT SPRAY PUMP SEAL WTR HX CC FIS RACK	Y	Y	N	1	N	N		NONE
PB2	RK-77	P-15A/B SI PUMP SEAL WATER HX CC FIS RACK	Y	Y	N	1	N	N		NONE
PB2	T-012	COMPONENT COOLING SURGE TANK	Y	Y	N	1	N	N		WEST 110E029 SH3
PB2	TB-166	RESERVED FOR B. SMITH (IMPELL)	*							NONE
PB2	TB-649	Y-06 VITAL INSTRUMENT PANEL TERMINAL BOX	Y	N	N	3	N	N		NONE
PB2	TE-00621	HX-12C/D CC HX OUTLET HDR HIGH ALARM TEMP CTLR	N	N	N	1	N	N		WEST 110E029 SH3
PB2	TE-00608	P-1B RCP CC RETURN HEADER TEMPERATURE RTD	Y	Y	N	1	N	N		WEST 110E029 SH2
PB2	TE-00612	P-1A RCP CC RETURN HEADER TEMPERATURE RTD	Y	Y	N	1	N	N		WEST 110E029 SH2
PB2	TE-00616	P-11A/B CC PUMP SUCTION HEADER TEMPERATURE RTD	Y	Y	N	1	N	N		WEST 110E029 SH3
PB2	TE-00621	HX-12C/D CC HX OUTLET HEADER TEMPERATURE RTD	Y	Y	Y	1	N	N		WEST 110E029 SH3
PB2	TI-00600	HX-3A/B NON-REGEN HX SHELL SIDE OUTLET TEMP IND	N	N	N	3	N	N		WEST 110E029 SH3
PB2	TI-00602	SAMPLE SYSTEM HX SHELL SIDE OUTLET TEMP IND	Y	Y	N	1	N	N		WEST 110E029 SH3
PB2	TI-00604	HX-5 SEAL WTR RET HX SHELL SIDE OUTLET TEMP IND	N	N	N	3	N	N		WEST 110E029 SH3
PB2	TI-00606	HX-4 ELHX SHELL SIDE OUTLET TEMPERATURE IND	Y	Y	N	1	N	N		WEST 110E029 SH2
PB2	TI-00608	P-1B RCP CC RETURN HEADER TEMPERATURE INDICATOR	N	N	N	3	N	N		WEST 110E029 SH2
PB2	TI-00612	P-1A RCP CC RETURN HEADER TEMPERATURE INDICATOR	N	N	N	3	N	N		WEST 110E029 SH2
PB2	TI-00616	P-11A/B CC PUMP SUCTION HEADER TEMPERATURE IND	N	N	N	3	N	N		WEST 110E029 SH3
PB2	TI-00621	HX-12C/D CC HX OUTLET TEMPERATURE INDICATOR	Y	N	N	1	N	N		WEST 110E029 SH3
PB2	TIC-00608	P-1B RCP CC RETURN HEADER TEMPERATURE IND CTLR	Y	Y	N	1	N	N		WEST 110E029 SH2
PB2	TIC-00612	P-1B RCP CC RETURN HEADER TEMPERATURE IND CTLR	Y	Y	N	1	N	N		WEST 110E029 SH2
PB2	TIC-006210	HX-12D CC HX OUTLET TEMPERATURE INDICATOR CTLR	Y	Y	N	1	N	N		WEST 110E029 SH3
PB2	TM-00608	P-1B RCP CC RETURN TEMPERATURE R/I CONVERTER	N	N	N	3	N	N		NONE
PB2	TM-00612	P-1A RCP CC RETURN TEMPERATURE R/I CONVERTER	N	N	N	3	N	N		NONE
PB2	TM-00616	P-11A/B CC PUMP INLET HEADER TEMP R/I CONVERTER	N	N	N	3	N	N		NONE
PB2	TM-00621	HX-12C/D CC HX OUTLET TEMPERATURE R/I CONVERTER	N	N	N	3	N	N		NONE



FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM COMPONENT COOLING

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q A	S R	E Q	S E	CIV	F P	P & ID
*****	*****	*****	*	*	*	*	***	*	*****
PB2	1/CC-00017	T-12 CC SURGE TANK RADIATION CTLD VENT CTL SW	*						NONE
PB2	1/CC-00719	CONT EQUIP CC SUPPLY HEADER OUTBOARD ISOL CTL SW	*						NONE
PB2	1/CC-00738A	HX-11A RHR HX SHELL SIDE INLET CONTROL SWITCH	*						NONE
PB2	1/CC-00738B	HX-11B RHR HX SHELL SIDE INLET CONTROL SWITCH	*						NONE
PB2	1/CC-00754A	P-1A RCP CC INLET MOV CONTROL SWITCH	*						NONE
PB2	1/CC-00754B	P-1B RCP CC INLET MOV CONTROL SWITCH	*						NONE
PB2	1/CC-00759A	P-1A RCP CC OUTLET MOV CONTROL SWITCH	*						NONE
PB2	1/CC-00759B	P-1B RCP CC OUTLET MOV CONTROL SWITCH	*						NONE
PB2	1/CC-00761A	P-1A RCP THERMAL BARRIER COOLING RETURN CTL SW	*						NONE
PB2	1/CC-00761B	P-1B RCP THERMAL BARRIER COOLING RETURN CTL SW	*						NONE
PB2	1/CC-00769	HX-4 ELHX SHELL SIDE OUTLET CONTROL SWITCH	*						NONE
PB2	1/CC-00815	T-12 CC SURGE TANK EMER MAKEUP WTR INLET CTL SW	*						NONE
PB2	1/P-011A	P-11A COMPONENT COOLING WATER PUMP CONTROL SW	*						NONE
PB2	1/P-011B	P-11B COMPONENT COOLING WATER PUMP CONTROL SW	*						NONE

ITEMS SELECTED = 000794

\*\*\*\* START JOB03892 PB1510RY CHAMPS

CO.LOC PT CH NUC PP 12:30:18 PM MON DEC 14, 1992 OM R59.PR1 PDC 01

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FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM CVCS

SORT: PRIMARY KEY

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	R	A	E	S	E	CIV	F	P & ID
P80	LI-00102	T-6B BA TANK LEVEL INDICATOR	Y	N	N	Y	N	3	N	N	N	NONE
P80	LI-00151	T-11 BA CONC HOLDING TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	NONE
P80	LI-00151A	T-11 BA CONC HOLDING TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	NONE
P80	LI-00153	T-8A CVCS HOLDUP TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	NONE
P80	LI-00154	T-8B CVCS HOLDUP TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	NONE
P80	LI-00156	T-8C CVCS HOLDUP TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	NONE
P80	LI-00157	(RETIRED) T-21A RMWT LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00157A	(RETIRED) T-21A RMWT LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00157B	(RETIRED) T-21A RMWT LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00161A	T-21 RMWT LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00161B	T-21 RMWT LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00162A	T-10A MONITOR TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00162B	T-10A MONITOR TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00165A	T-10B MONITOR TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00165B	T-10B MONITOR TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00166A	T-10C MONITOR TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00166B	T-10C MONITOR TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00167A	T-10D MONITOR TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00167B	T-10D MONITOR TANK LEVEL INDICATOR	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LI-00171	T-6B BA TANK LEVEL INDICATOR	Y	N	N	Y	N	3	N	N	N	NONE
P80	LI-00185	T-6B BA TANK LEVEL INDICATOR	Y	N	N	Y	N	3	N	N	N	NONE
P80	LW-00102	T-6B BA TANK LEVEL I/I CONVERTER	Y	N	N	Y	N	3	N	N	N	NONE
P80	LW-00171	T-6B BA TANK LEVEL I/I CONVERTER	Y	N	N	Y	N	3	N	N	N	NONE
P80	LW-00189	T-6B BA TANK LEVEL I/I CONVERTER	Y	N	N	Y	N	3	N	N	N	NONE
P80	LQ-00102	T-6B BA TANK LEVEL INSTRUMENT LOOP POWER SUPPLY	Y	N	N	Y	N	1	N	N	N	NONE
P80	LQ-00157	(RETIRED) T-21A RMWT LEVEL INST LOOP PWR SUP	N	N	N	N	N	3	N	N	N	NONE
P80	LQ-00161	T-21 RMWT LEVEL INSTRUMENT LOOP POWER SUPPLY	Y	N	N	Y	N	3	N	N	N	NONE
P80	LQ-00171	T-6B BA TANK LEVEL INSTRUMENT LOOP POWER SUPPLY	Y	N	N	Y	N	1	N	N	N	NONE
P80	LQ-00189	T-6B BA TANK LEVEL INSTRUMENT LOOP POWER SUPPLY	Y	N	N	Y	N	1	N	N	N	NONE
P80	LT-00101	T-7 BA BATCHING TANK LEVEL TRANSMITTER	N	N	N	N	N	3	N	N	N	NONE
P80	LT-00102	T-6B BA TANK LEVEL TRANSMITTER	Y	N	N	Y	N	1	N	N	N	WEST 684J741
P80	LT-00151	T-11 BA CONC HOLDING TANK LEVEL TRANSMITTER	N	N	N	N	N	3	N	N	N	WEST 684J961
P80	LT-00153	T-8A CVCS HOLDUP TANK LEVEL TRANSMITTER	N	N	N	N	N	3	N	N	N	WEST 684J961
P80	LT-00154	T-8B CVCS HOLDUP TANK LEVEL TRANSMITTER	N	N	N	N	N	3	N	N	N	WEST 684J961
P80	LT-00156	T-8C CVCS HOLDUP TANK LEVEL TRANSMITTER	N	N	N	N	N	3	N	N	N	WEST 684J961
P80	LT-00157	(RETIRED) T-21A RMWT LEVEL TRANSMITTER	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LT-00161	T-21 RMWT LEVEL TRANSMITTER	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LT-00162	T-10A MONITOR TANK LEVEL TRANSMITTER	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LT-00165	T-10B MONITOR TANK LEVEL TRANSMITTER	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LT-00166	T-10C MONITOR TANK LEVEL TRANSMITTER	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LT-00167	T-10D MONITOR TANK LEVEL TRANSMITTER	N	N	N	N	N	3	N	N	N	WE PBM- 231
P80	LT-00171	T-6B BA TANK LEVEL TRANSMITTER	Y	N	N	Y	N	1	N	N	N	WEST 684J741
P80	LT-00189	T-6B BA TANK LEVEL TRANSMITTER	Y	N	N	Y	N	1	N	N	N	WEST 684J741
P80	N-12	1/2P-4A BA TRANSFER PUMP CONTROL STATION	N	N	N	N	N	3	N	N	N	NONE
P80	N-12-7	1P-4A BA TRANSFER PUMP LOCAL CONTROL STATION	N	N	N	N	N	3	N	N	N	NONE
P80	N-12-8	2P-4A BA TRANSFER PUMP LOCAL CONTROL STATION	N	N	N	N	N	3	N	N	N	NONE
P80	N-13	1/2P-4B BA TRANSFER PUMP LOCAL CTL STATION	N	N	N	N	N	3	N	N	N	NONE
P80	N-13-7	1P-4B BA TRANSFER PUMP LOCAL CONTROL STATION	N	N	N	N	N	3	N	N	N	NONE
P80	N-13-8	2P-4B BA TRANSFER PUMP LOCAL CONTROL STATION	N	N	N	N	N	3	N	N	N	NONE
P80	O-1T-0560	T-8A-C CVCS HUT LKG REDUCTION/PM PROGRAM TEST	Y	N	N	Y	N	1	N	N	N	NONE
P80	O-1T-1100	T-6B BORIC ACID TANK HYDRO	Y	N	N	Y	N	1	N	N	N	NONE
P80	O-1T-1132	T-8A-C CVCS HUT 40-MONTH FUNCTIONAL LEAK TEST	Y	N	N	Y	N	3	N	N	N	NONE

FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	CIV	P
			*	*	*	*	***	*
P80	O-IT-1132.1	T-8A CVCS HOLDUP TANK HYDRO	Y	N	N	3	N	N NONE
P80	O-IT-1132.2	T-8B CVCS HOLDUP TANK HYDRO	Y	N	N	3	N	N NONE
P80	O-IT-1132.3	T-8C CVCS HOLDUP TANK HYDRO	*					N NONE
P80	O-PC-026.3	ROD OUT BAST LEVEL INDICATORS - SUNDAY	Y	Y	N	1	N	N NONE
P80	O-PC-026.5	ROD OUT BAST LEVEL INDICATORS - FRIDAY	Y	Y	N	1	N	N NONE
P80	O-PC-026.6	ROD OUT JAST LEVEL INDICATORS - TUESDAY	Y	Y	N	1	N	N NONE
P80	O-PC-026.7	ROD OUT BAST LEVEL INDICATORS - WEDNESDAY	Y	Y	N	1	N	N NONE
P80	O-PC-047	MONTHLY CHARGING PUMP ACCUM PRESSURE CHECK	N	N	N	3	N	N NONE
P80	O-PC-047D	MONTHLY CHARGING PUMP ACCUM PRESSURE CHECK	N	N	N	3	N	N NONE
P80	P-002A SPARE	SPARE CHARGING PUMP	Y	Y	N	1	N	N NONE
P80	P-002A-Z SPARE	SPARE CHARGING PUMP VARI-DRIVE	N	N	N	3	N	N NONE
P80	P-004 SPARE	SPARE BORIC ACID TRANSFER PUMP	Y	N	N	1	N	N NONE
P80	P-104	SEE P-104-M	N	N	N	3	N	N NONE
P80	P-104-M	1/2P-2A-C CHARGING PUMP HYDROSTATIC TEST MOTOR	N	N	N	3	N	N NONE
P80	PC-00155A/B	T-8A-C CVCS HUT NITROGEN MANIFOLD PRESSURE SW	N	N	N	3	N	N NONE
P80	PI-00155	T-8A-C CVCS HUT NITROGEN MANIFOLD PRESSURE IND	N	N	N	3	N	N NONE
P80	PI-00155A	T-8A-C CVCS HUT NITROGEN MANIFOLD PRESSURE IND	N	N	N	3	N	N NONE
P80	PI-00160A	P-7A MONITOR TANK PUMP DISCHARGE PRESSURE IND	N	N	N	3	N	N WE P8M- 231
P80	PI-00160B	P-7B MONITOR TANK PUMP DISCHARGE PRESSURE IND	N	N	N	3	N	N WE P8M- 231
P80	PI-00188A	P-23A RMW PUMP DISCHARGE PRESSURE INDICATOR	N	N	N	3	N	N WE P8M- 231
P80	PI-00188B	P-23B RMW PUMP DISCHARGE PRESSURE INDICATOR	N	N	N	3	N	N WE P8M- 231
P80	PI-00192	P-9 HUT RECIRC PUMP DISCHARGE PRESSURE INDICATOR	N	N	N	3	N	N WEST 684J961
P80	PI-00194	T-8A CVCS HOLDUP TANK PRESSURE INDICATOR	N	N	N	3	N	N WEST 684J961
P80	PI-00195	T-8B CVCS HOLDUP TANK PRESSURE INDICATOR	N	N	N	3	N	N WEST 684J961
P80	PI-00196	T-8C CVCS HOLDUP TANK PRESSURE INDICATOR	N	N	N	3	N	N WEST 684J961
P80	PIPING CH 0152N-18	PROCESS STEAM	N	N	N	3	N	N WEST 684J741
P80	PIPING CH 0152N-19	PROCESS STEAM RELIEF VLV DISCHARGE PIPING	N	N	N	2	N	N WEST 684J741
P80	PIPING PB-01	CHEMICAL FLUSH	N	N	N	3	N	N NONE
P80	PS-00194	T-8A CVCS HOLDUP TANK PRESSURE SWITCH	N	N	N	3	N	N WEST 684J961
P80	PS-00195	T-8A CVCS HOLDUP TANK PRESSURE SWITCH	N	N	N	3	N	N WEST 684J961
P80	PS-00196	T-8C CVCS HOLDUP TANK PRESSURE SWITCH	N	N	N	3	N	N WEST 684J961
P80	RK-48A	GAS STRIPPER TERMINAL PANEL INSTRUMENTATION RACK	N	N	N	3	N	N NONE
P80	RK-48B	GAS STRIPPER TERMINAL PANEL INSTRUMENTATION RACK	N	N	N	3	N	N NONE
P80	T-003	RESIN FILL TANK (PORTABLE)	N	N	N	3	N	N WEST 684J741
P80	TC-00150A/B	T-11 BA CONC HOLDING TANK HI/LO ALARM TEMP CTLR	N	N	N	3	N	N NONE
P80	TC-00150C	T-11 BA CONC HOLDING TANK HEATER CTL TEMP CTLR	N	N	N	3	N	N NONE
P80	TE-00103	T-6B BA TANK TEMPERATURE ELEMENT	N	N	N	3	N	N WEST 684J741
P80	TI-00104	T-6B BA TANK TEMPERATURE INDICATOR	N	N	N	3	N	N WEST 684J741
P80	TI-00150	T-11 BA CONC HOLDING TANK TEMPERATURE INDICATOR	N	N	N	3	N	N NONE
P80	TIC-00100	T-7 BA BATCHING TANK TEMPERATURE INDICATOR CTLR	N	N	N	3	N	N WEST 684J741
P80	TIC-00103	T-6B BA TANK HEATER TEMPERATURE INDICATOR CTLR	N	N	N	3	N	N NONE
P80	TT-00150	T-11 BA CONC HOLDING TANK TEMPERATURE XMTR	N	N	N	3	N	N WEST 684J961
P81	C-125	CVCS CONTROL PANEL (YELLOW)	Y	N	N	3	N	N NONE
P81	C-126	CVCS CONTROL PANEL	Y	N	N	3	N	N NONE
P81	CV	CV SYSTEM MULTI AND/OR NON-NUMBERED EQUIPMENT	*	*	*	*	*	N NONE
P81	CV-D-01	HX-2 REGEN HX CHARGING OUTLET DRAIN	Y	N	N	1	N	N WEST 684J741
P81	CV-D-02	HX-2 REGEN HX LETDOWN INLET DRAIN	Y	N	N	1	N	N WEST 684J741
P81	CV-D-03	LETDOWN ORIFICES OUTLET DRAIN	Y	N	N	1	N	N WEST 684J741
P81	CV-D-04	N-16 LETDOWN DELAY LINE DRAIN	Y	N	N	1	N	N WEST 684J741
P81	CV-D-05	RHR TO CV-133 LETDOWN OUTLET DRAIN	Y	N	N	1	N	N WEST 684J741
P81	CV-D-06	RHR TO RH-703 LETDOWN DRAIN	Y	N	N	1	N	N WEST 684J741
P81	CV-D-07	P-1A RCP #1 SEAL WATER RETURN DRAIN	Y	N	N	1	N	N WEST 684J741

FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID	
*****	*****	*****	A	R	Q	E	CIV	P	
PB1	CV-D-08	P-1B RCP #1 SEAL WATER RETURN DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-09	P-1A RCP SEAL WATER SUPPLY DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-10	P-1B RCP SEAL WATER SUPPLY DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-11	HX-4 ELHX OUTLET DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-12	HX-3A/B NON-REGEN HX INLET DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-13	HX-3A/B NON-REGEN HX INTERSTAGE DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-14	HX-3A/B NON-REGEN HX OUTLET DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-15	HX-5 SEAL WATER HX INLET DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-16	HX-5 SEAL WATER HX TUBE SIDE DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-17	HX-5 SEAL WATER HX OUTLET DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-18	HX-2 REGEN HX INLET DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-19	P-2A-C CHG PUMP SUCTION FROM REFUELING WATER DRN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-21	P-1A/B RCP #1 SEAL WATER RETURN DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-23	HX-3A/B NON-REGEN HX OUTLET TEMP CONTROL DRAIN	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-24	P-1A/B RCP #1 SEAL RETURN LINE TEST CONNECTION	Y	N	N	1	N	N	WEST 684J741
PB1	CV-D-25	LETDOWN LINE ISOLATION TEST CONNECTION	Y	N	N	1	N	N	WEST 684J741
PB1	CV-V-01	HX-4 ELHX INLET VENT	Y	N	N	1	N	N	WEST 684J741
PB1	CV-V-02	SEAL INJECTION LINE VENT VALVE	Y	N	N	1	N	N	WEST 684J741
PB1	CV-V-03	P-2A/B CHG PUMP DISCHARGE CROSSCONNECT VENT	Y	N	N	1	N	N	WEST 684J741
PB1	CV-V-05	LETDOWN SYSTEM VENT	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00110A	BA TO Z-1 BA BLENDER INLET FLOW CONTROL	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00110A-O	BA TO Z-1 BA BLENDER INLET FLOW CONTROL OPERATOR	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00110A-S	BA TO Z-1 BA BLENDER INLET FLOW CONTROL SOLENOID	N	N	N	3	N	N	NONE
PB1	CV-00110B	Z-1 BA BLENDER OUTLET FLOW CONTROL	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00110B-O	Z-1 BA BLENDER OUTLET FLOW CONTROL OPERATOR	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00110B-S	Z-1 BA BLENDER OUTLET FLOW CONTROL SOLENOID	N	N	N	3	N	N	NONE
PB1	CV-00110C	T-4 VCT BORIC ACID INLET FLOW CONTROL	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00110C-O	T-4 VCT BORIC ACID INLET FLOW CONTROL OPERATOR	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00110C-S	T-4 VCT BORIC ACID INLET FLOW CONTROL SOLENOID	N	N	N	3	N	N	NONE
PB1	CV-00111	RMW TO Z-1 BA BLENDER FLOW CONTROL	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00111-O	RMW TO Z-1 BA BLENDER FLOW CONTROL OPERATOR	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00111-S	RMW TO Z-1 BA BLENDER FLOW CONTROL SOLENOID	N	N	N	3	N	N	NONE
PB1	CV-00112A	T-4 VCT LEVEL CONTROL DIVERT	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00112A-O	T-4 VCT LEVEL CONTROL DIVERT OPERATOR	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00112A-S	T-4 VCT LEVEL CONTROL DIVERT SOLENOID	N	N	N	3	N	N	NONE
PB1	CV-00112B	P-2A-C CHARGING PUMP REFUELING WATER SUCTION	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00112B-M	P-2A-C CHG PUMP REFUELING WATER SUCTION MOTOR	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00112B-O	P-2A-C CHG PUMP REFUELING WATER SUCTION OPERATOR	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00112C	T-4 VCT OUTLET	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00112C-M	T-4 VCT OUTLET MOTOR	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00112C-O	T-4 VCT OUTLET OPERATOR	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00113	T-4 VCT HYDROGEN INLET PRESSURE CONTROL	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00113-O	T-4 VCT HYDROGEN INLET PRESSURE CONTROL OPERATOR	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00113A	CV-113 VCT HYDROGEN INLET PRESSURE CONTROL CHECK	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00113B	CV-113 VCT HYDROGEN INLET PRESSURE CONTROL CHECK	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00114	T-4 VCT NITROGEN INLET PRESSURE CONTROL	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00114-O	T-4 VCT NITROGEN INLET PRESSURE CONTROL OPERATOR	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00114A	CV-114 VCT NITROGEN INLET PRESSURE CONTROL CHECK	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00114B	CV-114 VCT NITROGEN INLET PRESSURE CONTROL CHECK	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00130	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE CONTROL	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00130-O	HX-3A/B NON-REGEN HX OUTLET TEMP CONTROL OPER	Y	N	N	1	N	N	WEST 684J741
PB1	CV-00133	RHR TO LETDOWN ISOLATION	Y	Y	N	1	Y	N	WEST 684J741

FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	CIV	P
PB1	CV-00133-O	RNR TO LETDOWN ISOLATION OPERATOR	Y	Y	N	1	N	WEST 684J741
PB1	CV-00135	LP LETDOWN LINE BACKPRESSURE CONTROL	Y	N	N	1	N	WEST 684J741
PB1	CV-00135-O	LP LETDOWN LINE BACKPRESSURE CONTROL OPERATOR	Y	N	N	1	N	WEST 684J741
PB1	CV-00142	CHARGING LINE FLOW CONTROL	Y	N	N	1	N	WEST 684J741
PB1	CV-00142 GRN LGT	CHARGING LINE FLOW CONTROL SHUT IND LGT	*					NONE
PB1	CV-00142 RED LGT	CHARGING LINE FLOW CONTROL OPEN IND LGT	*					NONE
PB1	CV-00142-O	CHARGING LINE FLOW CONTROL OPERATOR	Y	N	N	1	N	WEST 684J741
PB1	CV-00145	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE CONTROL	Y	N	N	1	N	WEST 684J741
PB1	CV-00145-O	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE CTL OPER	Y	N	N	1	N	WEST 684J741
PB1	CV-00145-S	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE CTL SOL	N	N	N	3	N	NONE
PB1	CV-00158	T-4 VCT GAS MAKEUP INLET PRESSURE CONTROL	Y	N	N	1	N	WEST 684J741
PB1	CV-00191	T-4 VCT VENT HEADER PRESSURE CONTROL	N	N	N	1	N	WEST 684J741
PB1	CV-00191-O	T-4 VCT VENT HEADER PRESSURE CONTROL OPERATOR	N	N	N	1	N	WEST 684J741
PB1	CV-00200A	LETDOWN ORIFICE A OUTLET CONTROL	Y	N	N	1	N	WEST 684J741
PB1	CV-00200A-O	LETDOWN ORIFICE A OUTLET CONTROL OPERATOR	Y	N	N	1	N	WEST 684J741
PB1	CV-00200A-S	LETDOWN ORIFICE A OUTLET CONTROL SOLENOID	N	N	N	3	N	NONE
PB1	CV-00200B	LETDOWN ORIFICE B OUTLET CONTROL	Y	N	N	1	N	WEST 684J741
PB1	CV-00200B-O	LETDOWN ORIFICE B OUTLET CONTROL OPERATOR	Y	N	N	1	N	WEST 684J741
PB1	CV-00200B-S	LETDOWN ORIFICE B OUTLET CONTROL SOLENOID	N	N	N	3	N	NONE
PB1	CV-00200C	LETDOWN ORIFICE C OUTLET CONTROL	Y	N	N	1	N	WEST 684J741
PB1	CV-00200C-O	LETDOWN ORIFICE C OUTLET CONTROL OPERATOR	Y	N	N	1	N	WEST 684J741
PB1	CV-00200C-S	LETDOWN ORIFICE C OUTLET CONTROL SOLENOID	N	N	N	3	N	NONE
PB1	CV-00202A	P-1A RCP #1 SEAL WATER RETURN BYP FIC-170 OUTLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00202B	P-1B RCP #1 SEAL WATER RETURN BYP FIC-180 OUTLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00203	LETDOWN ORIFICE OUTLET RELIEF	Y	N	N	1	N	WEST 684J741
PB1	CV-00204A	HX-3A/B NON-REGEN HX INLET	Y	Y	N	1	Y	WEST 684J741
PB1	CV-00204B	HX-3A/B NON-REGEN HX OUTLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00205A	T-4 VCT VENT HEADER INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00205B	T-4 VCT VENT HEADER OUTLET	N	N	N	1	N	WEST 684J741
PB1	CV-00206A	P-1A RCP #1 SEAL WATER RET BYP VENT 1ST OFF ISOL	Y	N	N	1	N	WEST 684J741
PB1	CV-00206B	P-1B RCP #1 SEAL WATER RET BYP VENT 1ST OFF ISOL	Y	N	N	1	N	WEST 684J741
PB1	CV-00206C	P-1A RCP #1 SEAL WATER RET BYP VENT 2ND OFF ISOL	N	N	N	1	N	WEST 684J741
PB1	CV-00206D	P-1B RCP #1 SEAL WATER RET BYP VENT 2ND OFF ISOL	N	N	N	1	N	WEST 684J741
PB1	CV-00207A	HX-3A/B NON-REGEN HX FT-135 OUTLET ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00207B	HX-3A/B NON-REGEN HX FT-134 OUTLET HI SIDE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00207C	HX-3A/B NON-REGEN HX FT-134 OUTLET LOW SIDE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00208	RHW PI-170 INLET ROOT	N	N	N	1	N	WEST 684J741
PB1	CV-00209	HX-3A/B NON-REGEN HX OUT SFTY RELIEF TO T-4 VCT	Y	N	N	1	N	WEST 684J741
PB1	CV-00210	WATER PURIFICATION SYSTEM PI-136 INLET ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00211	U-9 CATION BED DEMIN BYPASS	Y	N	N	1	N	WEST 684J741
PB1	CV-00212	U-1A MIXED BED DEMIN INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00213	U-1A MIXED BED DEMIN RESIN FILL	Y	N	N	3	N	WEST 684J741
PB1	CV-00214	U-1A MIXED BED DEMIN VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00215	U-1A MIXED BED DEMIN RESIN FLUSH	Y	N	N	3	N	WEST 684J741
PB1	CV-00216	U-1A MIXED BED DEMIN OUTLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00220	U-9 CATION BED DEMIN RESIN FILL	Y	N	N	3	N	WEST 684J741
PB1	CV-00221	U-1B MIXED BED DEMIN RESIN FLUSH	Y	N	N	3	N	WEST 684J741
PB1	CV-00222	U-1B MIXED BED DEMIN VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00223	U-1B MIXED BED DEMIN INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00224	U-1B MIXED BED DEMIN RESIN FILL	Y	N	N	3	N	WEST 684J741
PB1	CV-00225	U-1B MIXED BED DEMIN OUTLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00226A	U-2B DEBORATING DEMIN SECOND INLET ISOLATION	Y	N	N	1	N	WEST 684J741



FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM CVCS

SORT: PRIMARY KEY

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
*****	*****	*****	A	R	Q	E	CIV	*****
PB1	CV-00226B	U-2B DEBORATING DEMIN FIRST INLET ISOLATION	Y	N	N	1	N	WEST 684J741
PB1	CV-00227A	U-2A DEBORATING DEMIN SECOND INLET ISOLATION	Y	N	N	1	N	WEST 684J741
PB1	CV-00227B	U-2A DEBORATING DEMIN FIRST INLET ISOLATION	Y	N	N	1	N	WEST 684J741
PB1	CV-00228	U-2A/B DEBORATING DEMIN REGEN CHEMICAL INLET	Y	N	N	3	N	WEST 684J741
PB1	CV-00229A	U-2A DEBORATING DEMIN INLET DRAIN	Y	N	N	1	N	WEST 684J741
PB1	CV-00229B	U-2B DEBORATING DEMIN INLET DRAIN	Y	N	N	1	N	WEST 684J741
PB1	CV-00230A	U-2A DEBORATING DEMIN REGEN CHEMICAL INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00230B	U-2B DEBORATING DEMIN REGEN CHEMICAL INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00231A	P-2A CHARGING PUMP SUCTION DRAIN	Y	N	N	1	N	WEST 684J741
PB1	CV-00231B	P-2B CHARGING PUMP SUCTION DRAIN	Y	N	N	1	N	WEST 684J741
PB1	CV-00231C	P-2C CHARGING PUMP SUCTION DRAIN	Y	N	N	1	N	WEST 684J741
PB1	CV-00232	U-2A/B DEBORATING DEMIN RMW INLET	Y	N	N	3	N	WEST 684J741
PB1	CV-00233	U-2A/B DEBORATING DEMIN OUTLET	Y	N	N	3	N	WEST 684J741
PB1	CV-00234A	RMW TO U-2A DEBORATING DEMIN	Y	N	N	3	N	WEST 684J741
PB1	CV-00234B	RMW TO U-2A DEBORATING DEMIN	Y	N	N	3	N	WEST 684J741
PB1	CV-00235	U-2A/B DEBORATING DEMIN RINSE LINE	Y	N	N	3	N	WEST 684J741
PB1	CV-00236A	U-2A DEBORATING DEMIN DRAIN	Y	N	N	3	N	WEST 684J741
PB1	CV-00236B	U-2B DEBORATING DEMIN OUTLET DRAIN	Y	N	N	3	N	WEST 684J741
PB1	CV-00237A	U-2A DEBORATING DEMIN FIRST OUTLET	Y	N	N	3	N	WEST 684J741
PB1	CV-00237B	U-2A DEBORATING DEMIN SECOND OUTLET	Y	N	N	3	N	WEST 684J741
PB1	CV-00238A	U-2B DEBORATING DEMIN FIRST OUTLET	Y	N	N	3	N	WEST 684J741
PB1	CV-00238B	U-2B DEBORATING DEMIN SECOND OUTLET	Y	N	N	3	N	WEST 684J741
PB1	CV-00239A	DEMINEALIZER SYSTEM INLET CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00239B	U-2A/B DEBORATING DEMIN OUTLET CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00240	U-2A DEBORATING DEMIN RESIN FILL	Y	N	N	3	N	WEST 684J741
PB1	CV-00241	U-2B DEBORATING DEMIN RESIN FILL	Y	N	N	3	N	WEST 684J741
PB1	CV-00242	U-2A DEBORATING DEMIN RESIN FLUSH	Y	N	N	3	N	WEST 684J741
PB1	CV-00243	U-2B DEBORATING DEMIN RESIN FLUSH	Y	N	N	3	N	WEST 684J741
PB1	CV-00244	U-9/U-1A/B CATION/MB DEMIN OUTLET DIVERT	Y	N	N	1	N	WEST 684J741
PB1	CV-00244-0	U-9/U-1A/B CATION/MB DEMIN OUTLET DIVERT OPER	Y	N	N	1	N	WEST 684J741
PB1	CV-00244-S	U-9/U-1A/B CATION/MB DEMIN OUTLET DIVERT SOL	N	N	N	3	N	NONE
PB1	CV-00245	U-2A/B DEBORATING DEMIN INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00246	U-9 CATION BED DEMIN INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00247	U-2A/B DEBORATING DEMIN OUTLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00248A	F-1 RC FILTER PI-137 INLET ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00248B	F-1 RC FILTER PI-138 OUTLET ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00249A	F-1 RC FILTER INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00249B	F-1 RC FILTER OUTLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00250	F-1 RC FILTER BYPASS	Y	N	N	1	N	WEST 684J741
PB1	CV-00251	HX-3A/B NON-REGEN HX CV-135 OUT BKPRESS CTL BYP	Y	N	N	1	N	WEST 684J741
PB1	CV-00252	HX-3A/B NON-REGEN HX CV-135 OUT BKPRESS CTL IN	Y	N	N	1	N	WEST 684J741
PB1	CV-00253	HX-3A/B NON-REGEN HX CV-135 OUT BKPRESS CTL OUT	Y	N	N	1	N	WEST 684J741
PB1	CV-00254	CV-112A DIVERT OUTLET TO T-8A-C CVCS HUT CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00255A	T-4 VCT LT-112 UPPER ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00255B	T-4 VCT LT-112 LOWER ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00255C	T-4 VCT LT-141 UPPER ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00255D	T-4 VCT LT-141 LOWER ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00256A	T-4 VCT INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00256B	CV-112A DIVERT OUTLET TO T-B-C CVCS HUT	Y	N	N	1	N	WEST 684J741
PB1	CV-00257	T-4 VCT SAFETY RELIEF TO T-8A-C CVCS HUT	N	N	N	3	N	WEST 684J741
PB1	CV-00258-S	T-4 VCT VENT HEADER SOLENOID	Y	N	N	1	N	WEST 684J741
PB1	CV-00259	T-4 VCT GAS ANALYZER INLET	Y	N	N	1	N	WEST 684J741

FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM CVCS

SORT: PRIMARY KEY

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	CIV	P
PB1	CV-00260	T-4 VCT PT-139 VENT ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00261A	T-4 VCT HYDROGEN INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00261B	T-4 VCT NITROGEN INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00261C	T-4 VCT CRYOGENIC RETURN	Y	N	N	1	N	WEST 684J741
PB1	CV-00261E	T-4 VCT NITROGEN INLET VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00261G	T-4 VCT NITROGEN INLET VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00261H	T-4 VCT CV-158 GAS MAKEUP PRESS CONTROL INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00261I	T-4 VCT CV-158 GAS MAKEUP PRESS CONTROL OUTLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00261J	T-4 VCT GAS MAKEUP INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00261K	T-4 VCT CV-158 GAS MAKEUP PRESS CONTROL BYPASS	Y	N	N	1	N	WEST 684J741
PB1	CV-00261L	T-4 VCT PI-158 GAS MAKEUP ISOLATION	Y	N	N	1	N	WEST 684J741
PB1	CV-00261M	T-4 VCT CV-158 H2 INLET PRESS CTL UPSTREAM VENT	N	N	N	3	N	WEST 684J741
PB1	CV-00261N	T-4 VCT CV-158 H2 INLET PRESS CTL DNSTRM VENT	N	N	N	3	N	WEST 684J741
PB1	CV-00261P	T-4 VCT CV-114 H2 INLET PRESS CTL DNSTRM VENT	N	N	N	3	N	WEST 684J741
PB1	CV-00261Q	T-4 VCT CV-113 H2 INLET PRESS CTL DNSTRM VENT	N	N	N	3	N	WEST 684J741
PB1	CV-00262A	P-2A CHG PUMP DISCH HEADER DRAIN FIRST OFF ISOL	Y	N	N	1	N	WEST 684J741
PB1	CV-00262B	P-2B CHG PUMP DISCH HEADER DRAIN FIRST OFF ISOL	Y	N	N	1	N	WEST 684J741
PB1	CV-00262C	P-2C CHG PUMP DISCH HEADER DRAIN FIRST OFF ISOL	Y	N	N	1	N	WEST 684J741
PB1	CV-00262D	P-2A CHG PUMP DISCH HEADER DRAIN SECOND OFF ISOL	Y	N	N	1	N	WEST 684J741
PB1	CV-00262E	P-2B CHG PUMP DISCH HEADER DRAIN SECOND OFF ISOL	Y	N	N	1	N	WEST 684J741
PB1	CV-00262F	P-2C CHG PUMP DISCH HEADER DRAIN SECOND OFF ISOL	Y	N	N	1	N	WEST 684J741
PB1	CV-00263	T-4 VCT GAS MAKEUP CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00264	T-4 VCT DRAIN	Y	N	N	1	N	WEST 684J741
PB1	CV-00265	HX-5 SEAL WATER HX INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00265-PCV	HX-5 SEAL WATER HX INLET PRESSURE CONTROL	Y	N	N	1	N	WEST 684J741
PB1	CV-00265-PCV-O	HX-5 SEAL WATER HX INLET PRESSURE CONTROL OPER	Y	N	N	1	N	WEST 684J741
PB1	CV-00265A	HX-5 SEAL WATER HX PRESSURE CONTROL INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00265B	CV-265 PRESSURE SENSING LINE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00266	T-4 VCT OUTLET CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00267	P-2A CHARGING PUMP SUCTION	Y	N	N	1	N	WEST 684J741
PB1	CV-00268	P-2B/C CHARGING PUMP SUCTION HEADER ISOLATION	Y	N	N	1	N	WEST 684J741
PB1	CV-00269	P-2B CHARGING PUMP SUCTION	Y	N	N	1	N	WEST 684J741
PB1	CV-00270A	P-1A RCP #1 SEAL WATER RETURN	Y	N	N	1	N	WEST 684J741
PB1	CV-00270A-M	P-1A RCP #1 SEAL WATER RETURN MOTOR	Y	N	N	1	N	WEST 684J741
PB1	CV-00270A-O	P-1A RCP #1 SEAL WATER RETURN OPERATOR	Y	N	N	1	N	WEST 684J741
PB1	CV-00270B	P-1B RCP #1 SEAL WATER RETURN	Y	N	N	1	N	WEST 684J741
PB1	CV-00270B-M	P-1B RCP #1 SEAL WATER RETURN MOTOR	Y	N	N	1	N	WEST 684J741
PB1	CV-00270B-O	P-1B RCP #1 SEAL WATER RETURN OPERATOR	Y	N	N	1	N	WEST 684J741
PB1	CV-00271	T-5 CHEMICAL MIXING TANK OUTLET CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00273	T-5 CHEMICAL MIXING TANK DRAIN	N	N	N	3	N	WEST 684J741
PB1	CV-00274A	P-2A CHARGING PUMP CASING VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00274B	P-2B CHARGING PUMP CASING VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00274C	P-2C CHARGING PUMP CASING VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00275	F-39A/B RCP SEAL INJECTION FILTER BYPASS	Y	N	N	1	N	WEST 684J741
PB1	CV-00276	U-2A/B DEBOR DEMIN PI-152 INLET ROOT	Y	N	N	3	N	WEST 684J741
PB1	CV-00277	T-4 VCT INLET CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00278A	P-2A CHARGING PUMP SUCTION T-4 VCT RETURN CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00278B	P-2B CHARGING PUMP SUCTION T-4 VCT RETURN CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00278C	P-2C CHARGING PUMP SUCTION T-4 VCT RETURN CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00279A	P-2A CHARGING PUMP SUCTION T-4 VCT RETURN	Y	N	N	1	N	WEST 684J741
PB1	CV-00279B	P-2B CHARGING PUMP SUCTION T-4 VCT RETURN	Y	N	N	1	N	WEST 684J741
PB1	CV-00279C	P-2C CHARGING PUMP SUCTION T-4 VCT RETURN	Y	N	N	1	N	WEST 684J741

FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	P	*****
PB1	CV-00280A	P-2A CHARGING PUMP CASING DRAIN	Y	N	N	1	N	WEST 684J741
PB1	CV-00280B	P-2B CHARGING PUMP CASING DRAIN	Y	N	N	1	N	WEST 684J741
PB1	CV-00280C	P-2C CHARGING PUMP CASING DRAIN	Y	N	N	1	N	WEST 684J741
PB1	CV-00283A	P-2A CHARGING PUMP DISCHARGE RELIEF TO T-4 VCT	Y	N	N	1	N	WEST 684J741
PB1	CV-00283B	P-2B CHARGING PUMP DISCHARGE RELIEF TO T-4 VCT	Y	N	N	1	N	WEST 684J741
PB1	CV-00283C	P-2C CHARGING PUMP DISCHARGE RELIEF TO T-4 VCT	Y	N	N	1	N	WEST 684J741
PB1	CV-00284	T-4 VCT SAMPLE RETURN	Y	N	N	1	N	WEST 684J741
PB1	CV-00285	HX-4 ELHX OUTLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00285-M	HX-4 ELHX OUTLET MOTOR	Y	N	N	1	N	WEST 684J741
PB1	CV-00285-O	HX-4 ELHX OUTLET OPERATOR	Y	N	N	1	N	WEST 684J741
PB1	CV-00286	P-2A CHARGING PUMP DISCHARGE	Y	N	N	1	N	WEST 684J741
PB1	CV-00287	P-2A CHARGING PUMP DISCHARGE TO SEAL INJECTION	Y	N	N	1	N	WEST 684J741
PB1	CV-00288	P-2B CHARGING PUMP DISCHARGE TO SEAL INJ ISOL	Y	N	N	1	N	WEST 684J741
PB1	CV-00289	P-2B CHARGING PUMP DISCHARGE	Y	N	N	1	N	WEST 684J741
PB1	CV-00290	P-2C CHARGING PUMP DISCHARGE	Y	N	N	1	N	WEST 684J741
PB1	CV-00291	P-2C CHG PUMP DISCH F-39A/B SEAL INJ FLTR INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00292A	CHARGING LINE FT-128 HIGH SIDE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00292B	CHARGING LINE FT-128 LOW SIDE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00293A	P-1A RCP SEAL WATER RETURN FLOW XMTR INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00293B	P-1B RCP SEAL WATER RETURN FLOW XMTR INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00295	HX-2 REGEN HX CHARGING TO LOOP A COLD LEG CHECK	Y	Y	N	1	N	WEST 684J741
PB1	CV-00296	HX-2 REGEN HX TO AUXILIARY SPRAY	Y	N	N	1	N	WEST 684J741
PB1	CV-00296-O	HX-2 REGEN HX TO AUXILIARY SPRAY OPERATOR	Y	N	N	1	N	WEST 684J741
PB1	CV-00296-S	HX-2 REGEN HX TO AUXILIARY SPRAY SOLENOID	N	N	N	3	N	NONE
PB1	CV-00297	T-1 PZR AUXILIARY SPRAY LINE CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00298A	P-1A RCP FI-115 SEAL WATER HIGH SIDE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00298B	P-1A RCP FI-115 SEAL WATER LOW SIDE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00299A	F-39B RCP SEAL INJECTION FILTER VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00299B	F-39B RCP SEAL INJECTION FILTER DRAIN	Y	N	N	1	N	WEST 684J741
PB1	CV-00299C	F-39A RCP SEAL INJECTION FILTER VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00299D	F-39A RCP SEAL INJECTION FILTER DRAIN	Y	N	N	1	N	WEST 684J741
PB1	CV-00300A	P-1A RCP SEAL WATER INJECTION THROTTLE	Y	Y	N	1	Y	WEST 684J741
PB1	CV-00300B	P-1B RCP SEAL WATER INJECTION THROTTLE	Y	Y	N	1	Y	WEST 684J741
PB1	CV-00301A	P-1B RCP FI-116 SEAL WATER HIGH SIDE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00301B	P-1B RCP FI-116 SEAL WATER LOW SIDE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00302A	P-1A RCP SEAL WATER INJECTION VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00302B	P-1B RCP SEAL WATER INJECTION VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00303A	F-39B RCP SEAL INJECTION FILTER OUTLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00303B	F-39B RCP SEAL INJECTION FILTER INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00303C	F-39A RCP SEAL INJECTION FILTER OUTLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00303D	F-39A RCP SEAL INJECTION FILTER INLET	Y	N	N	1	N	WEST 684J741
PB1	CV-00304A	P-1A RCP SEAL WATER INJECTION CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00304B	P-1B RCP SEAL WATER INJECTION CHECK	Y	N	N	1	N	WEST 684J741
PB1	CV-00304C	P-1A RCP SEAL WATER INJECTION CHECK	Y	Y	N	1	Y	WEST 684J741
PB1	CV-00304D	P-1B RCP SEAL WATER INJECTION CHECK	Y	Y	N	1	Y	WEST 684J741
PB1	CV-00305A	P-1A RCP #1 SEAL WATER RETURN VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00305B	P-1B RCP #1 SEAL WATER RETURN VENT	Y	N	N	1	N	WEST 684J741
PB1	CV-00306A	P-1A RCP #1 SEAL DP DPT-173 LOW SIDE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00306B	P-1B RCP #1 SEAL DP DPT-174 LOW SIDE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00307A	P-1A RCP #1 SEAL DP DPT-173 HIGH SIDE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00307B	P-1B RCP #1 SEAL DP DPT-174 HIGH SIDE ROOT	Y	N	N	1	N	WEST 684J741
PB1	CV-00308A	P-1A RCP LABYRINTH SEAL DPT-131 LOWER ROOT	Y	N	N	1	N	WEST 684J741



FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM CVCS

SORT: PRIMARY KEY

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
*****	*****	*****	A	R	Q	E	CIV	P
			*	*	*	*	***	*
PB1	CV-00308B	P-1B RCP LABYRINTH SEAL DPT-124 LOWER ROOT	Y	N	N	1	N	N WEST 684J741
PB1	CV-00309A	P-1A RCP LABYRINTH SEAL DPT-131 UPPER ROOT	Y	M	N	1	N	N WEST 684J741
PB1	CV-00309B	P-1B RCP LABYRINTH SEAL DPT-124 UPPER ROOT	Y	N	N	1	N	N WEST 684J741
PB1	CV-00311	HX-4 ELHX PT-121 OUTLET ROOT	Y	N	N	1	N	N WEST 684J741
PB1	CV-00312	HX-4 ELHX OUTLET DIVERT	Y	N	N	1	N	N WEST 684J741
PB1	CV-00312-O	HX-4 ELHX OUTLET DIVERT OPERATOR	Y	N	N	1	N	N WEST 684J741
PB1	CV-00312-S	HX-4 ELHX OUTLET DIVERT SOLENOID	N	N	N	3	N	N NONE
PB1	CV-00313	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION	Y	Y	N	1	Y	N WEST 684J741
PB1	CV-00313-M	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION MOTOR	Y	Y	N	1	N	N WEST 684J741
PB1	CV-00313-O	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION OPER	Y	Y	N	1	N	N WEST 684J741
PB1	CV-00313A	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION	Y	Y	N	1	Y	N WEST 684J741
PB1	CV-00313A-C	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION OPER	Y	Y	N	1	N	N WEST 684J741
PB1	CV-00313A-S	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION SOL	Y	Y	Y	1	N	N WEST 684J741
PB1	CV-00313B	P-1A/B RCP #1 SEAL WATER RETURN	Y	N	N	1	N	N WEST 684J741
PB1	CV-00314	EXCESS LTDW #1 SEAL WATER RET LINE RELIEF TO T-2	Y	N	N	1	N	N WEST 684J741
PB1	CV-00315A	F-2 RCP SEAL WATER RETURN FILTER INLET	Y	Y	N	1	Y	N WEST 684J741
PB1	CV-00315B	F-2 RCP SEAL WATER RETURN FILTER OUTLET	Y	N	N	1	N	N WEST 684J741
PB1	CV-00315C	F-2 RCP SEAL WATER RETURN FILTER BYPASS	Y	Y	N	1	Y	N WEST 684J741
PB1	CV-00316A	F-2 RCP SEAL WTR RETURN FILTER PI-118 INLET ROOT	Y	Y	N	1	Y	N WEST 684J741
PB1	CV-00316B	F-2 RCP SEAL WTR RETURN FLTR PI-119 OUTLET ROOT	Y	N	N	1	N	N WEST 684J741
PB1	CV-00317A	P-1A RCP #1 SEAL WATER RETURN BYPASS CHECK	Y	N	N	1	N	N WEST 684J741
PB1	CV-00317B	P-1B RCP #1 SEAL WATER RETURN BYPASS CHECK	Y	N	N	1	N	N WEST 684J741
PB1	CV-00318A	P-1A RCP #1 SEAL WATER RETURN FT-175/177 VENT	Y	N	N	1	N	N WEST 684J741
PB1	CV-00318B	P-1B RCP #1 SEAL WATER RETURN FT-176/178 VENT	Y	N	N	1	N	N WEST 684J741
PB1	CV-00319A	F-2 RCP SEAL WATER RETURN FILTER DRAIN	Y	N	N	1	N	N WEST 684J741
PB1	CV-00319B	F-2 RCP SEAL WATER RETURN FILTER VENT	Y	N	N	1	N	N WEST 684J741
PB1	CV-00320A	P-1A RCP SEAL WATER INJECTION	Y	N	N	1	N	N WEST 684J741
PB1	CV-00320B	P-1B RCP SEAL WATER INJECTION	Y	N	N	1	N	N WEST 684J741
PB1	CV-00320C	RC LOOP B COLD LEG AUXILIARY CHARGING LINE ISOL	Y	N	N	1	N	N WEST 684J741
PB1	CV-00321	HX-5 SEAL WATER HX OUTLET	Y	N	N	1	N	N WEST 684J741
PB1	CV-00323A	RC LOOP B COLD LEG AUXILIARY CHARGING LINE ISOL	Y	Y	N	1	Y	N WEST 684J741
PB1	CV-00323B	CV-142 CHARGING LINE FLOW CONTROL BYPASS	Y	Y	N	1	Y	N WEST 684J741
PB1	CV-00327A	T-5 CHEMICAL MIXING TANK INLET	N	N	N	3	N	N WEST 684J741
PB1	CV-00327B	T-5 CHEMICAL MIXING TANK OUTLET	N	N	N	3	N	N WEST 684J741
PB1	CV-00350	P-4A/B BA XFR PUMP P-2A-C CHG PUMP SUCTION	Y	N	N	1	N	N WEST 684J741
PB1	CV-00350-M	P-4A/B BA XFR PUMP P-2A-C CKG PUMP SUCTION MOTOR	Y	N	N	1	N	N WEST 684J741
PB1	CV-00350-O	P-4A/B BA XFR PUMP P-2A-C CHG PUMP SUCTION OPER	Y	N	N	1	N	N WEST 684J741
PB1	CV-00351	P-4A/B BA XFR PUMP P-2A-C CHG PUMP SUCTION CHECK	Y	N	N	1	N	N WEST 684J741
PB1	CV-00352	RMW TO CHARGING PUMP CHECK	Y	N	N	1	N	N WEST 684J741
PB1	CV-00353	RMW TO CHARGING PUMP SUCTION	Y	N	N	1	N	N WEST 684J741
PB1	CV-00354	Z-1 BA BLENDER INLET	Y	N	N	1	N	N WEST 684J741
PB1	CV-00355	Z-1 BA BLENDER P-2A-C CHG PUMP SUCTION CHECK	Y	N	N	1	N	N WEST 684J741
PB1	CV-00356	P-2A-C CHARGING PUMP SUCTION FROM BA ISOLATION	Y	N	N	1	N	N WEST 684J741
PB1	CV-00357	P-2A-C CHARGING PUMP RWST SUCTION CHECK	Y	N	N	1	N	N WEST 684J741
PB1	CV-00358	P-2A-C CHARGING PUMP RWST SUCTION	Y	N	N	1	N	N WEST 684J741
PB1	CV-00359A	T-5 CHEMICAL MIXING TANK RMW INLET	N	N	N	1	N	N WEST 684J741
PB1	CV-00359B	T-5 CHEMICAL MIXING TANK VENT	N	N	N	1	N	N WEST 684J741
PB1	CV-00360	RMW FT-111 INLET ISOLATION	N	N	N	1	N	N WEST 684J961
PB1	CV-00361	T-4 VCT DRAIN	Y	N	N	1	N	N WEST 684J961
PB1	CV-00361A	T-4 VCT OUTLET	N	N	N	1	N	N WEST 684J961
PB1	CV-00362A	P-1A RCP #1 SEAL WATER RETURN FT-175/177 BYPASS	Y	N	N	1	N	N WEST 684J741
PB1	CV-00362B	P-1B RCP #1 SEAL WATER RETURN FT-176/178 BYPASS	Y	N	N	1	N	N WEST 684J741



POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	A	S	R	E	S	E	CIV	F	P	P & ID
P81	CV-00363	Z-1 BA BLENDER RMW INLET	N	N	M	N	M	1	M	N	N	N	WEST 684J741
P81	CV-00364	Z-1 BA BLENDER RMW INLET CHECK	Y	M	M	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00365	Z-1 BA BLENDER TO PLANT SERVICES	Y	R	M	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00366	Z-1 BA BLENDER TO PLANT SERVICES CHECK	Y	M	M	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00367	Z-1 BA BLENDER SAMPLE	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00368	Z-1 BA BLENDER TO P-2A-C CHG PUMP SUCTION ISOL	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00369	HX-3A/B NON-REGEN HX INLET TEST CONNECTION	Y	Y	M	N	M	1	N	N	N	N	WEST 684J741 SH2
P81	CV-00369A	RHR TO CVCS LEYDOWN CHECK	Y	Y	M	N	M	1	Y	N	N	N	WEST 684J741 SH2
P81	CV-00369B	RHR TO CVCS LEYDOWN CHECK	Y	Y	M	N	M	1	Y	N	N	N	WEST 684J741
P81	CV-00370	HX-2 REGEN HX CHARGING INLET CHECK	Y	Y	M	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00371	LEYDOWN LINE CONTAINMENT ISOLATION	Y	Y	M	N	M	1	Y	N	N	N	WEST 684J741
P81	CV-00371-O	LEYDOWN LINE CONTAINMENT ISOLATION OPERATOR	Y	Y	M	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00371-S	LEYDOWN LINE CONTAINMENT ISOLATION SOLENOID	Y	Y	M	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00371A	LEYDOWN LINE CONTAINMENT ISOLATION	Y	Y	M	N	M	1	Y	N	N	N	WEST 684J741
P81	CV-00371A-O	LEYDOWN LINE CONTAINMENT ISOLATION OPERATOR	Y	Y	M	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00371A-S	LEYDOWN LINE CONTAINMENT ISOLATION SOLENOID	Y	Y	M	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00371B	LEYDOWN LINE CONTAINMENT MANUAL ISOLATION	Y	M	M	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00372	RMW SPENT RESIN FLUSH	Y	M	N	N	M	3	N	N	N	N	WEST 684J741
P81	CV-00373	U-1A MIXED BED DEMIN DRAIN	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00374	RMW TO U-1A MIXED BED DEMIN OUILET	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00376	RMW TO U-1B MIXED BED DEMIN OUILET	Y	N	M	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00377	U-1B MIXED BED DEMIN DRAIN	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00378	U-9 CATION BED DEMIN VENT	Y	N	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00379	U-9 CATION BED DEMIN OUILET	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00380	U-9 CATION BED DEMIN DRAIN	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00381	RMW TO U-9 CATION BED DEMIN OUILET	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00382	U-9 CATION BED DEMIN RESIN FLUSH	Y	M	N	N	M	3	N	N	N	N	WEST 684J741
P81	CV-00383	RC LOOP B COLD LEG AUX CHARGING LINE CHECK	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00384	CV-142 CHARGING LINE FLOW CONTROL INLET ISOL	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00384B	CV-142 CHARGING LINE FLOW CONTROL OUILET ISOL	Y	Y	M	N	M	1	Y	N	N	N	WEST 684J741
P81	CV-00385A	P-1A RCP #1 SEAL WTR RET FLOW FT-175/177 OUILET	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00385B	P-1B RCP #1 SEAL WTR RET FLOW FT-176/178 OUILET	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00386	P-1A/B RCP #1 SEAL WATER BYPASS CONTROL	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00386-G	P-1A/B RCP #1 SEAL WATER BYPASS CONTROL OPERATOR	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00386-S	P-1A/B RCP #1 SEAL WATER BYPASS CONTROL SOLENOID	Y	M	N	N	M	3	N	N	N	N	WEST 684J741
P81	CV-00388A	P-1A RCP #1 SEAL BYPASS ISOLATION	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00388B	P-1B RCP #1 SEAL BYPASS ISOLATION	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00389A	F-1 RC FILTER VENT	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00389B	F-1 RC FILTER DRAIN	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00390A	RMW TO PURIFICATION SYSTEM FIRST INLET ISOL	Y	M	N	N	M	3	N	N	N	N	WEST 684J741
P81	CV-00390B	RMW TO PURIFICATION SYSTEM SECOND INLET ISOL	Y	M	N	N	M	3	N	N	N	N	WEST 684J741
P81	CV-00391	U-2A/B DEBORATING DEMIN RMW INLET CHECK	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00392	HX-2 REGEN HX SHELL SIDE OUT TO LETDOWN ORIFICES	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00393	HX-2 REGEN HX CHARGING LINE INLET	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00394	HX-5 SEAL WATER HX BYPASS	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00395	U-2A DEBORATING DEMIN DRAIN	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00396	U-2B DEBORATING DEMIN DRAIN	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-00399	P-2C CHARGING PUMP SUCTION	Y	M	N	N	M	1	N	N	N	N	WEST 684J741
P81	CV-01296	AUXILIARY CHARGING LINE ISOLATION	Y	Y	M	N	M	1	Y	N	N	N	WEST 684J741
P81	CV-01296-O	AUXILIARY CHARGING LINE ISOLATION OPERATOR	Y	Y	M	N	M	1	N	N	N	N	WEST 684J741
P81	CV-01296-S	AUXILIARY CHARGING LINE ISOLATION SOLENOID	Y	Y	M	N	M	1	N	N	N	N	WEST 684J741
P81	CV-01298	HX-2 REGEN HX OUT CHG ISOL TO RC LOOP A COLD LFG	Y	M	N	N	M	1	N	N	N	N	WEST 684J741

SORT: PRIMARY KEY

FILE: EQUIPMENT MASTER

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POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	CIV	P
PB1	CV-01298-M	HX-2 REGEN HX OUT CHG ISOL/LOOP A COLD LEG MOTOR	Y	N	N	1	N	N WEST 684J741
PB1	CV-01298-D	HX-2 REGEN HX OUT CHG ISOL/LOOP A COLD LEG OPER	Y	N	N	1	N	N WEST 684J741
PB1	CV-01299	HX-4 ELHX INLET FROM RC LOOP A COLD LEG	Y	N	N	1	N	N WEST 684J741
PB1	CV-01299-M	HX-4 ELHX INLET FROM RC LOOP A COLD LEG MOTOR	Y	N	N	1	N	N WEST 684J741
PB1	CV-01299-O	HX-4 ELHX INLET FROM RC LOOP A COLD LEG OPER	Y	N	N	1	N	N WEST 684J741
PB1	CV-01299A	HX-4 ELHX INLET	Y	N	N	1	N	N WEST 684J741
PB1	CV-01400	CV-371A LETDOWN LINE CONT ISOL DNSTRM TEST CONN	Y	Y	N	1	N	N WEST 684J741
PB1	CV-01401	HX-2 REGEN HX OUT TO LETDOWN ORIFICES TEST CONN	Y	N	N	1	N	N WEST 684J741
PB1	CV-01402	HX-2 REGEN HX CHARGING INLET CHECK TEST CONN	Y	Y	N	1	N	N WEST 684J741
PB1	CV-01403	HX-2 REGEN HX CHARGING INLET CHECK TEST CONN	Y	N	N	1	N	N WEST 684J741
PB1	CV-01404A	P-1A RCP SEAL WATER INJECTION TEST CONNECTION	Y	Y	N	1	N	N WEST 684J741
PB1	CV-01404B	P-1B RCP SEAL WATER INJECTION TEST CONNECTION	Y	Y	N	1	N	N WEST 684J741
PB1	CV-01405A	P-1A RCP SEAL WATER INJECTION TEST CONNECTION	Y	N	N	1	N	N WEST 684J741
PB1	CV-01405B	P-1B RCP SEAL WATER INJECTION TEST CONNECTION	Y	N	N	1	N	N WEST 684J741
PB1	CV-01406	P-1A/B RCP #1 SEAL WATER RETURN TEST CONNECTION	Y	Y	N	1	N	N WEST 684J741
PB1	CV-01426	RC LOOP B COLD LEG AUX CHARGING LINE TEST CONN	Y	N	N	1	N	N WEST 684J741
PB1	CV-01426A	RC LOOP B COLD LEG AUX CHARGING LINE DRAIN	Y	Y	N	1	Y	N WEST 684J741
PB1	CV-01426B	RC LOOP B COLD LEG AUX CHARGING LINE DRAIN	Y	Y	N	1	N	N WEST 684J741
PB1	F-001	REACTOR COOLANT FILTER	Y	N	N	1	N	N WEST 684J741
PB1	F-002	REACTOR COOLANT PUMP SEAL WATER RETURN FILTER	Y	N	N	1	N	N WEST 684J741
PB1	F-003	BORIC ACID FILTER	Y	N	N	1	N	N WEST 684J741
PB1	F-039A	RCP SEAL WATER INJECTION FILTER	Y	N	N	1	N	N WEST 684J741
PB1	F-039B	RCP SEAL WATER INJECTION FILTER	Y	N	N	1	N	N WEST 684J741
PB1	FC-00106A	T-6A BA TANK NITROGEN LEVEL FLOW CONTROLLER	Y	Y	N	1	N	N NONE
PB1	FC-00106B	T-6A BA TANK NITROGEN LEVEL FLOW CONTROLLER	Y	Y	N	1	N	N NONE
PB1	FC-00134	LETDOWN LINE HIGH FLOW ALARM BISTABLE	N	N	N	3	N	N NONE
PB1	FC-00134-X	LP LETDOWN LINE HIGH FLOW ALARM RELAY	N	N	N	3	N	N NONE
PB1	FC-00172A	T-6A BA TANK NITROGEN LEVEL FLOW CONTROLLER	Y	Y	N	1	N	N NONE
PB1	FC-00172B	T-6A BA TANK NITROGEN LEVEL FLOW CONTROLLER	Y	Y	N	1	N	N NONE
PB1	FC-00175	P-1A RCP CTLD LEAKAGE FLOW LOW RANGE BISTABLE	N	N	N	3	N	N NONE
PB1	FC-00175-X	P-1A RCP #1 SEAL FLOW LOW ALARM RELAY	N	N	N	3	N	N NONE
PB1	FC-00176	P-1B RCP CTLD LEAKAGE FLOW LOW RANGE BISTABLE	N	N	N	3	N	N NONE
PB1	FC-00176-X	P-1B RCP #1 SEAL FLOW LOW ALARM RELAY	N	N	N	3	N	N NONE
PB1	FC-00177	P-1A RCP CTLD LEAKAGE FLOW HIGH RANGE BISTABLE	N	N	N	3	N	N NONE
PB1	FC-00177-X	P-1A RCP #1 SEAL FLOW HIGH ALARM RELAY	N	N	N	3	N	N NONE
PB1	FC-00178	P-1B RCP CTLD LEAKAGE FLOW HIGH RANGE BISTABLE	N	N	N	3	N	N NONE
PB1	FC-00178-X	P-1B RCP #1 SEAL FLOW HIGH ALARM RELAY	N	N	N	3	N	N NONE
PB1	FC-00190A	T-6A BA TANK NITROGEN LEVEL FLOW CONTROLLER	Y	Y	N	1	N	N NONE
PB1	FC-00190B	T-6A BA TANK NITROGEN LEVEL FLOW CONTROLLER	Y	Y	N	1	N	N NONE
PB1	FE-00115	P-1A RCP SEAL WATER INJECTION FLOW ELEMENT	Y	N	N	1	N	N WEST 684J741
PB1	FE-00116	P-1B RCP SEAL WATER INJECTION FLOW ELEMENT	Y	N	N	1	N	N WEST 684J741
PB1	FE-00128	CHARGING LINE FLOW ELEMENT	Y	N	N	1	N	N WEST 684J741
PB1	FE-00134	HX-3A/B MON-REGEN HX OUTLET FLOW ELEMENT	Y	N	N	1	N	N WEST 684J741
PB1	FE-00159	RX-6A BS GAS STRIPPER OUTLET FLOW ELEMENT	N	N	N	3	N	N WEST 684J961
PB1	FE-00201	HX-6A/B BS GS STM SUPPLY TO HOTWELL FLOW ELEMENT	N	N	N	3	N	N NONE
PB1	FI-00115	P-1A RCP SEAL WATER INJECTION FLOW INDICATOR	N	N	N	1	N	N WEST 684J741
PB1	FI-00116	P-1B RCP SEAL WATER INJECTION FLOW INDICATOR	N	N	N	1	N	N WEST 684J741
PB1	FI-00128	HX-2 REGEN HX INLET FLOW INDICATOR	N	N	N	1	N	N WEST 684J741
PB1	FI-00128A	CHARGING LINE FLOW INDICATOR	N	N	N	1	N	N NONE
PB1	FI-00134	LETDOWN LINE FLOW INDICATOR	N	N	N	1	N	N NONE
PB1	FI-00143	U-9 CATION BED DEMIN INLET FLOW INDICATOR	Y	N	N	1	N	N WEST 684J741
PB1	FI-00144	REACTOR MAKEUP WATER INLET FLOW INDICATOR	N	N	N	3	N	N WEST 684J741

FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM CVCS

SORT: PRIMARY KEY

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
*****	*****	*****	A	R	Q	E	CIV	*****
			*	*	*	*	***	
PB1	FI-00164	U-3A BA EVAP COND DEMIN INLET FLOW INDICATOR	N	N	N	3	N	WEST 541F094
PB1	FI-00201A	GAS STRIPPER STEAM SUPPLY TO HOTWELL FLOW IND	N	N	N	3	N	NONE
PB1	FI-00201B	GAS STRIPPER STEAM SUPPLY TO HOTWELL FLOW IND	N	N	N	3	N	NONE
PB1	FIC-00110	BORIC ACID FLOW INDICATOR CONTROLLER	N	N	N	3	N	NONE
PB1	FIC-00111	DILUTION FLOW INDICATOR CONTROLLER	N	N	N	3	N	NONE
PB1	FIC-00179	P-1A RCP #1 SEAL BYPASS FLOW LOW ALARM INDICATOR	Y	N	N	1	N	WEST 684J741
PB1	FIC-00180	P-1B RCP #1 SEAL BYPASS FLOW LOW ALARM INDICATOR	Y	N	N	1	N	WEST 684J741
PB1	FIC-00201	GAS STRIPPER STEAM SUPPLY TO HOTWELL FIC	N	N	N	3	N	NONE
PB1	FM-00110	BORIC ACID FLOW CONVERTER	N	N	N	3	N	NONE
PB1	FM-00111	DILUTION FLOW BISTABLE	N	N	N	3	N	NONE
PB1	FM-00128	CHARGING LINE FLOW I/I CONVERTER	N	N	N	3	N	NONE
PB1	FM-00134	LETDOWN LINE FLOW I/I CONVERTER	N	N	N	3	N	NONE
PB1	FQ-00110	BORIC ACID FLOW INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	NONE
PB1	FQ-00111	DILUTION FLOW INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	NONE
PB1	FQ-00128	CHARGING LINE FLOW INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	NONE
PB1	FQ-00134	LETDOWN LINE FLOW INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	NONE
PB1	FR-00110	BORIC ACID FLOW RECORDER	N	N	N	3	N	NONE
PB1	FR-00111	DILUTION FLOW RECORDER	N	N	N	3	N	NONE
PB1	FR-00175	P-1A RCP CONTROLLED LEAKAGE FLOW RECORDER	N	N	N	3	N	NONE
PB1	FR-00177	P-1A RCP CONTROLLED LEAKAGE FLOW RECORDER	N	N	N	3	N	NONE
PB1	FRC-00159	HX-6A BS GAS STRIPPER FLOW RECORDER CONTROLLER	N	N	N	3	N	NONE
PB1	FT-00110	BORIC ACID INLET FLOW TRANSMITTER	Y	N	N	1	N	WEST 684J741
PB1	FT-00111	REACTOR MAKEUP WATER INLET FLOW TRANSMITTER	N	N	N	3	N	WEST 684J741
PB1	FT-00128	CHARGING LINE FLOW TRANSMITTER	N	N	N	1	N	WEST 684J741
PB1	FT-00134	HX-3A/B NON-REGEN HX OUTLET FLOW TRANSMITTER	N	N	N	3	N	WEST 684J741
PB1	FT-00159	HX-6A BS GAS STRIPPER OUTLET FLOW TRANSMITTER	N	N	N	3	N	WEST 684J961
PB1	FT-00175	P-1A RCP #1 SEAL WATER RETURN LOW RANGE FT	Y	N	N	1	N	WEST 684J741
PB1	FT-00176	P-1B RCP #1 SEAL WATER RETURN LOW RANGE FT	Y	N	N	1	N	WEST 684J741
PB1	FT-00177	P-1A RCP #1 SEAL WATER RETURN HIGH RANGE FT	Y	N	N	1	N	WEST 684J741
PB1	FT-00178	P-1B RCP #1 SEAL WATER RETURN HIGH RANGE FT	Y	N	N	1	N	WEST 684J741
PB1	FT-00185	RESERVED FOR MAN	*					
PB1	FT-00201	GAS STRIPPER STEAM SUPPLY TO HOTWELL FLOW XMTR	N	N	N	3	N	NONE
PB1	HC-00105	T-6A BA TANK TEMPERATURE HAND CONTROLLER	N	N	N	3	N	NONE
PB1	HC-00110	BORIC ACID FLOW HAND CONTROLLER	N	N	N	3	N	NONE
PB1	HC-00111	DILUTION FLOW HAND CONTROLLER	N	N	N	3	N	NONE
PB1	HC-00130	HX-3A/B NON-REGEN HX OUTLET TEMP A/M STATION	N	N	N	3	N	NONE
PB1	HC-00133	RHR LETDOWN HAND CONTROLLER	N	N	N	3	N	NONE
PB1	HC-00135	LETDOWN LINE PRESSURE A/M STATION	N	N	N	3	N	NONE
PB1	HC-00142	CHARGING LINE FLOW HAND CONTROLLER	N	N	N	3	N	NONE
PB1	HX-002	REGENERATIVE HEAT EXCHANGER	Y	N	N	1	N	WEST 684J741
PB1	HX-003A	NON-REGENERATIVE HEAT EXCHANGER	Y	N	N	1	N	WEST 684J741
PB1	HX-003B	NON-REGENERATIVE HEAT EXCHANGER	Y	N	N	1	N	WEST 684J741
PB1	HX-003B	NON-REGENERATIVE HEAT EXCHANGER	Y	N	N	2	N	WEST 684J741
PB1	HX-004	EXCESS LETDOWN HEAT EXCHANGER	Y	N	N	1	N	WEST 684J741
PB1	HX-005	SEAL WATER HEAT EXCHANGER	Y	N	N	1	N	WEST 684J741
PB1	I/P-00110A	BA TO Z-1 BA BLENDER INLET FLOW CTL I/P XDUCER	N	N	N	3	N	NONE
PB1	I/P-00111	RHW TO Z-1 BA BLENDER FLOW CONTROL I/P XDUCER	N	N	N	3	N	NONE
PB1	I/P-00112A	?-4 VCT LEVEL CONTROL DIVERT I/P TRANSDUCER	N	N	N	3	N	NONE
PB1	I/P-00130	HX-3A/B NON-REGEN HX OUTLET TCV I/P TRANSDUCER	N	N	N	3	N	NONE
PB1	I/P-00133	RHR TO LETDOWN ISOLATION I/P TRANSDUCER	N	N	N	3	N	NONE
PB1	I/P-00135	LP LETDOWN LINE BACKPRESSURE CONTROL I/P XDUCER	N	N	N	3	N	NONE
PB1	I/P-00142	CV-142 CHARGING LINE FLOW CONTROL I/P TRANSDUCER	N	N	N	3	N	NONE
PB1	ICP-04.014	BORIC ACID CONTROL SYSTEM	L	N	N	3	N	NONE

FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM CVCS

SDRT: PRIMARY KEY

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	CIV	P
PB1	ICP-04.015	BORIC ACID TANK LEVEL XMTRS	Y	Y	Y	1	N	N NONE
PB1	ICP-04.016	BORIC ACID TANK LEVEL CALIBRATION	Y	L	N	L	N	N NONE
PB1	ICP-04.017	VOLUME CONTROL TANK LEVEL XMTRS	Y	N	N	3	N	N NOWR
PB1	ICP-04.018	VOLUME CONTROL TANK RACK	L	N	N	3	N	N NONE
PB1	ICP-04.021	CHARGING FLOW	N	N	N	3	N	N NONE
PB1	ICP-05.016	CHEMICAL AND VOLUME CONTROL SYSTEM	L	N	N	3	N	N NONE
PB1	ICP-06.021	CHEMICAL AND VOLUME CONTROL SYSTEM	N	N	N	3	N	N NONE
PB1	LC-00106A-X	T-6A BA TANK HIGH LEVEL ALARM RELAY	N	N	N	3	N	N NONE
PB1	LC-00106A/B	T-6A BA TANK LEVEL BISTABLE	Y	Y	N	3	N	N NONE
PB1	LC-00106B-X	T-6A BA TANK LOW LEVEL ALARM RELAY	N	N	N	3	N	N NONE
PB1	LC-00112A-X	T-4 VCT LEVEL RELAY	N	N	N	3	N	N NONE
PG1	LC-00112A/B	T-4 VCT LEVEL BISTABLE	N	N	N	3	N	N NONE
PB1	LC-00112B-X	T-4 VCT LEVEL RELAY	N	N	N	3	N	N NONE
PB1	LC-00112C	T-4 VCT LEVEL AUTO MAKEUP BISTABLE	N	N	N	3	N	N NONE
PB1	LC-00112C-X	T-4 VCT LEVEL RELAY	N	N	N	3	N	N NONE
PB1	LC-00141A	T-4 VCT LEVEL CONTROLLER	N	N	N	3	N	N NONE
PB1	LC-00141B	T-4 VCT LEVEL BISTABLE	N	N	N	3	N	N NONE
PB1	LC-00141B-X	T-4 VCT LEVEL RELAY	N	N	N	3	N	N NONE
PB1	LC-00141C-X	T-4 VCT HIGH LEVEL ALARM RELAY	N	N	N	3	N	N NONE
PB1	LC-00141C/D	T-4 VCT LEVEL BISTABLE	N	N	N	3	N	N NONE
P31	LC-00141D-X	T-4 VCT LOW LEVEL ALARM RELAY	N	N	N	3	N	N NONE
PB1	LC-00172A-X	T-6A BA TANK HIGH LEVEL ALARM RELAY	N	N	N	3	N	N NONE
PB1	LC-00172A/B	T-6A BA TANK LEVEL BISTABLE	Y	Y	N	3	N	N NONE
PB1	LC-00172B-X	T-6A BA TANK LOW LEVEL ALARM RELAY	N	N	N	3	N	N NONE
PB1	LC-00190A-X	T-6A BA TANK HIGH LEVEL ALARM RELAY	N	N	N	3	N	N NONE
PB1	LC-00190A/B	T-6A BA TANK LEVEL BISTABLE	Y	Y	N	3	N	N NONE
PB1	LC-00190B-X	T-6A BA TANK LOW LEVEL ALARM RELAY	N	N	N	3	N	N NONE
PB1	LC-00208A	HX-6A BS GS HOTWELL HIGH ALARM LEVEL SWITCH	N	N	N	3	N	N NONE
PB1	LC-00208B	HX-6A BS GS HOTWELL LOW ALARM LEVEL SWITCH	N	N	N	3	N	N NONE
PB1	LI-00106	T-6A BA TANK LEVEL INDICATOR	Y	N	N	3	N	N WEST 684J741
PB1	LI-00141A	T-4 VCT LEVEL INDICATOR	N	N	N	3	N	N NONE
PB1	LI-00172	T-6A BA TANK LEVEL INDICATOR	Y	N	N	3	N	N NONE
PB1	LI-00190	T-6A BA TANK LEVEL INDICATOR	Y	N	N	3	N	N NONE
PB1	LIC-00208	HX-6A BS GS HOTWELL LEVEL INDICATOR CONTROLLER	N	N	N	3	N	N NONE
PB1	LM-00106	T-6A BA TANK LEVEL I/I CONVERTER	Y	N	N	3	N	N WEST 684J741
PB1	LM-00172	T-6A BA TANK LEVEL I/I/CONVERTER	Y	N	N	3	N	N NONE
PB1	LM-00190	T-6A BA TANK LEVEL I/I CONVERTER	Y	N	N	3	N	N WEST 684J741
PB1	LQ-00106	T-6A BA TANK LEVEL INSTRUMENT LOOP POWER SUPPLY	Y	Y	N	1	N	N NONE
PB1	LQ-00112	T-4 VCT LEVEL INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	N WEST 684J741
PB1	LQ-00141	T-4 VCT LEVEL INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	N WEST 684J741
PB1	LQ-00172	T-6A BA TANK LEVEL INSTRUMENT LOOP POWER SUPPLY	Y	Y	N	1	N	N NONE
PB1	LQ-00190	T-6A BA TANK LEVEL INSTRUMENT LOOP POWER SUPPLY	Y	Y	N	1	N	N NONE
PB1	LR-00112	T-4 VCT LEVEL RECORDER	N	N	N	3	N	N WEST 684J741 SH1
PB1	LT-00106	T-6A BA TANK LEVEL TRANSMITTER	Y	Y	Y	1	N	N WEST 684J741
PB1	LT-00112	T-4 VCT LEVEL TRANSMITTER	Y	N	N	3	N	N WEST 684J741
PB1	LT-00141	T-4 VCT LEVEL TRANSMITTER	Y	N	N	3	N	N WEST 684J741
PB1	LT-00172	T-6A BA TANK LEVEL TRANSMITTER	Y	Y	Y	1	N	N WEST 684J741
PB1	LT-00190	T-6A BA TANK LEVEL TRANSMITTER	Y	Y	Y	1	N	N WEST 684J741
PB1	LT-00208	HX-6A BS GAS STRIPPER HOTWELL LEVEL TRANSMITTER	N	N	N	3	N	N NONE
PB1	N-04-1	P-2A CHARGING PUMP LOCAL CONTROL STATION	*					N NONE
PB1	N-04-2	CV-200A LETDOWN ORIFICE ISOL LOCAL CTL STATION	*					N NONE
PB1	N-04-3	P-2B CHARGING PUMP LOCAL CONTROL STATION	*					N NONE



FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM CVCS

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UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	CIV	P
			*	*	*	*	***	*
PB1	N-04-4	CV-200B LETDOWN ORIFICE ISOL LOCAL CTL STATION	*					NONE
PB1	N-04-6	CV-200C LETDOWN ORIFICE ISOL LOCAL CTL STATION	*					NONE
PB1	N-11	CHARGING PUMP/PZR HEATER LOCAL CONTROL STATION	Y	Y	N	1	N	NONE
PB1	N-11-7	P-2C CHARGING PUMP LOCAL CONTROL STATION	*					NONE
PB1	O-IT-0017	1P-4A/B BORIC ACID TRANSFER PUMPS AND VALVES	Y	Y	N	1	N	NONE
PB1	O-IT-0017D	1P-4A/B BORIC ACID TRANSFER PUMPS AND VALVES	Y	Y	N	1	N	NONE
PB1	O-IT-0021	1P-2A-C CHARGING PUMPS AND VALVES TEST	Y	Y	N	1	N	NONE
PB1	O-IT-0021D	1P-2A-C CHARGING PUMPS AND VALVES TEST	Y	Y	N	1	N	NONE
PB1	O-IT-0250	U1 CV AND COMPONENT COOLING SYSTEM VALVES (CSD)	Y	Y	N	1	L	NONE
PB1	O-IT-0320	1CV-371 AND 1CV-371A CVCS VALVES (CSD)	Y	Y	N	1	L	NONE
PB1	O-IT-0550	U1 LIQUID CVCS LEAKAGE REDUCTION/PM PROGRAM TEST	Y	Y	N	1	L	NONE
PB1	O-IT-1070	UNIT 1 RWST PIPING 40-MONTH FUNCTIONAL TEST	Y	Y	N	1	N	NONE
PB1	O-IT-1130.1	UNIT 1 CVCS SYSTEM NON-REGEN HX PORTION HYDRO	Y	Y	N	1	N	NONE
PB1	O-IT-1130.2	UNIT 1 CVCS SYSTEM RC FILTER PORTION HYDRO	Y	Y	N	1	N	NONE
PB1	O-IT-1130.3	UNIT 1 CVCS VCT/ASSOCIATED PIPING PORTION HYDRO	Y	Y	N	1	N	NONE
PB1	O-IT-1130.4	UNIT 1 CVCS CHARGING PUMP SUCTION PORTION HYDRO	Y	Y	N	1	N	NONE
PB1	O-IT-1130.5	UNIT 1 CVCS SEAL WTR RET FLTR/EXCH PORTION HYDRO	Y	Y	N	1	N	NONE
PB1	O-IT-1130.6	UNIT 1 CVCS NORMAL CHG/SEAL INJ PORTION HYDRO	Y	Y	N	1	N	NONE
PB1	O-IT-1130.7	UNIT 1 CVCS SEAL RETURN/SEAL BYPASS HYDRO	Y	Y	N	1	N	NONE
PB1	O-IT-1130.8	UNIT 1 CVCS SYSTEM AUX CHARGING HYDRO	Y	Y	N	1	N	NONE
PB1	O-IT-1130.9	UNIT 1 CVCS HIGH PRESSURE LETDOWN PORTION HYDRO	Y	Y	N	1	N	NONE
PB1	O-PC-023.2	WEEKLY PERIODIC CHK:CHG PUMP VARI-DRIVE EXERCISE	Y	Y	N	1	N	NONE
PB1	O-PC-026.4A	VERIFY NON-TECH SPEC BA FLOW PATH - TUESDAY	Y	Y	N	1	N	NONE
PB1	O-PC-026.4B	(RETIRED) VERIFY NON-TECH SPEC BA FLOW PATH-THURS	Y	Y	N	1	N	NONE
PB1	O-PC-026.4C	(RETIRED) VERIFY NON-TECH SPEC BA FLOW PATH-SAT	Y	Y	N	1	N	NONE
PB1	P-002A	CHARGING PUMP	Y	Y	N	1	N	WEST 684J741 SH2
PB1	P-002A-M	CHARGING PUMP MOTOR	N	N	N	3	N	WEST 684J741
PB1	P-002A-SR	CHARGING PUMP SPEED REDUCER	N	N	N	3	N	NONE
PB1	P-002A-Z	CHARGING PUMP VARI-DRIVE	N	N	N	3	N	WEST 684J741
PB1	P-002B	CHARGING PUMP	Y	Y	N	1	N	WEST 684J741 SH2
PB1	P-002B-M	CHARGING PUMP MOTOR	N	N	N	3	N	WEST 684J741
PB1	P-002B-SR	CHARGING PUMP SPEED REDUCER	N	N	N	3	N	NONE
PB1	P-002B-Z	CHARGING PUMP VARI-DRIVE	N	N	N	3	N	WEST 684J741
PB1	P-002C	CHARGING PUMP	Y	Y	N	1	N	WEST 684J741 SH2
PB1	P-002C-M	CHARGING PUMP MOTOR	N	N	N	3	N	WEST 684J741
PB1	P-002C-SR	CHARGING PUMP SPEED REDUCER	N	N	N	3	N	NONE
PB1	P-002C-Z	CHARGING PUMP VARI-DRIVE	N	N	N	3	N	WEST 684J741
PB1	P-004A	BORIC ACID TRANSFER PUMP	Y	N	N	1	N	WEST 684J741 SH1
PB1	P-004A-M	BORIC ACID TRANSFER PUMP MOTOR	Y	N	N	1	N	WEST 684J741 SH1
PB1	P-004B	BORIC ACID TRANSFER PUMP	Y	N	N	1	N	WEST 684J741 SH1
PB1	P-004B-M	BORIC ACID TRANSFER PUMP MOTOR	Y	N	N	1	N	WEST 684J741 SH1
PB1	P/P-00111	RHW TO Z-1 BA BLENDER FLOW CONTROL POSITIONER	Y	N	N	1	N	NONE
PB1	P/P-00112A	T-4 VCT LEVEL CONTROL DIVERT POSITIONER	Y	N	N	1	N	NONE
PB1	P/P-00130	HX-3A/B NON-REGEN HX OUTLET TCV POSITIONER	Y	N	N	1	N	NONE
PB1	P/P-00133	RHR TO LETDOWN ISOLATION POSITIONER	Y	N	N	1	N	NONE
PB1	P/P-00135	LP LETDOWN LINE BACKPRESSURE CONTROL POSITIONER	Y	N	N	1	N	NONE
PB1	P/P-00142	CV-142 CHARGING LINE FLOW CONTROL POSITIONER	Y	N	N	1	N	NONE
PB1	PC-00124	P-1B RCP LABYRINTH SEAL DP LOW ALARM BISTABLE	N	N	N	3	N	NONE
PB1	PC-00124-X	P-1B RCP LABYRINTH SEAL D/P LO ALARM RELAY	N	N	N	3	N	NONE
PB1	PC-00131	P-1A RCP LABYRINTH SEAL DP LOW ALARM BISTABLE	N	N	N	3	N	NONE
PB1	PC-00131-X	P-1A RCP LABYRINTH SEAL D/P LOW ALARM RELAY	N	N	N	3	N	NONE
PB1	PC-00135A	LETDOWN LINE PRESSURE CONTROLLER	N	N	N	3	N	NONE

FILE: EQUIPMENT MASTER

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POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID	
****	*****	*****	A	R	Q	E	CIV	P	
PB1	PC-00135B	LETDOWN LINE HIGH PRESSURE ALARM BISTABLE	N	N	N	3	N	N	NONE
PB1	PC-00135B-X	LP LETDOWN LINE HIGH PRESSURE ALARM RELAY	N	N	N	3	N	N	NONE
PB1	PC-00139A-X	VCT LOW PRESSURE ALARM RELAY	N	N	N	3	N	N	NONE
PB1	PC-00139A/B	T-4 VCT HIGH/LOW PRESSURE ALARM BISTABLE	N	N	N	3	N	N	NONE
PB1	PC-00139B-X	VCT LOW PRESSURE ALARM RELAY	N	N	N	3	N	N	NONE
PB1	PC-00173	P-1A RCP SEAL DIFF PRESSURE LOW ALARM BISTABLE	N	N	N	3	N	N	NONE
PB1	PC-00173-X	P-1A RCP SEAL DIFF PRESSURE LOW ALARM RELAY	N	N	N	3	N	N	NONE
PB1	PC-00174	P-1B RCP SEAL DIFF PRESSURE LOW ALARM BISTABLE	N	N	N	3	N	N	NONE
PB1	PC-00174-X	P-1B RCP SEAL DIFF PRESSURE LOW ALARM RELAY	N	N	N	3	N	N	NONE
PB1	PI-00108	F-3 BA FILTER INLET PRESSURE INDICATOR	N	N	N	3	N	N	WEST 684J741
PB1	PI-00109	F-3 BA FILTER OUTLET PRESSURE INDICATOR	N	N	N	3	N	N	WEST 684J741
PB1	PI-00118	F-2 RCP SEAL WATER RETURN FLTR INLET PRESS IND	N	N	N	3	N	N	WEST 684J741
PB1	PI-00119	F-2 RCP SEAL WATER RETURN FLTR OUTLET PRESS IND	N	N	N	3	N	N	WEST 684J741
PB1	PI-00121	HX-4 ELHX OUTLET PRESSURE INDICATOR	N	N	N	3	N	N	NONE
PB1	PI-00124	P-1B RCP LABYRINTH SEAL DIFFERENTIAL PRESS IND	N	N	N	3	N	N	NONE
PB1	PI-00124A	P-1B RCP LABYRINTH SEAL DIFFERENTIAL PRESS IND	N	N	N	3	N	N	NONE
PB1	PI-00131	P-1A RCP LABYRINTH SEAL DIFFERENTIAL PRESS IND	N	N	N	3	N	N	NONE
PB1	PI-00131A	P-1A RCP LABYRINTH SEAL DIFFERENTIAL PRESS IND	N	N	N	3	N	N	NONE
PB1	PI-00135	LETDOWN LINE PRESSURE INDICATOR	N	N	N	3	N	N	NONE
PB1	PI-00136	WATER PURIFICATION SYSTEM INLET PRESSURE IND	N	N	N	3	N	N	WEST 684J741
PB1	PI-00137	F-1 RC FILTER INLET PRESSURE INDICATOR	N	N	N	3	N	N	WEST 684J741
PB1	PI-00138	F-1 RC FILTER OUTLET PRESSURE INDICATOR	N	N	N	3	N	N	WEST 684J741
PB1	PI-00139	T-4 VCT PRESSURE INDICATOR	N	N	N	3	N	N	NONE
PB1	PI-00146	F-8 IOW EXCHANGER FILTER INLET PRESSURE IND	N	N	N	3	N	N	WEST 684J961
PB1	PI-00147	F-8 IOW EXCHANGER FILTER OUTLET PRESSURE IND	N	N	N	3	N	N	WEST 684J961
PB1	PI-00148	F-5A/B BA CONC FILTER INLET PRESSURE INDICATOR	N	N	N	3	N	N	WEST 684J961
PB1	PI-00149	F-5A/B BA CONC FILTER OUTLET PRESSURE INDICATOR	N	N	N	3	N	N	WEST 684J961
PB1	PI-00152	U-2A/B DEBOR DEMIN INLET PRESSURE INDICATOR	N	N	N	3	N	N	WEST 684J741
PB1	PI-00158	T-4 VCT GAS MAKEUP INLET PRESSURE INDICATOR	N	N	N	3	N	N	WEST 684J741
PB1	PI-00162	F-18A CONDENSATE FILTER OUTLET PRESSURE IND	N	N	N	3	N	N	WEST 541F094
PB1	PI-00163	U-3A-C BA EVAP COND DEMIN INLET PRESSURE IND	N	N	N	3	N	N	WEST 541F094
PB1	PI-00165	F-18A CONDENSATE FILTER INLET PRESSURE INDICATOR	N	N	N	3	N	N	WEST 541F094
PB1	PI-00168	P-5B GS FEED PUMP DISCHARGE PRESSURE INDICATOR	N	N	N	3	N	N	WEST 684J961
PB1	PI-00170	REACTOR MAKEUP WATER INLET PRESSURE INDICATOR	N	N	N	3	N	N	WEST 684J741
PB1	PI-00173	P-1A RCP SEAL DIFFERENTIAL PRESSURE INDICATOR	N	N	N	3	N	N	NONE
PB1	PI-00174	P-1B RCP SEAL DIFFERENTIAL PRESSURE INDICATOR	N	N	N	3	N	N	NONE
PB1	PI-00184	RESERVED FOR MAN	*						
PB1	PI-00203	GAS STRIPPER NITROGEN INLET PRESSURE INDICATOR	N	N	N	3	N	N	NONE
PB1	PI-00204	GAS STRIPPER EXHAUST TO VENT HEADER PRESSURE IND	N	N	N	3	N	N	NONE
PB1	PI-00209	HX-6A BS GS STEAM SUPPLY TO HOTWELL PRESSURE IND	N	N	N	3	N	N	NONE
PB1	PI-00210	HX-6A BS GS P-98 BOTTOMS PUMP OUTLET PRESS IND	N	N	N	3	N	N	NONE
PB1	PIC-00183A	F-39A RCP SEAL INJECTION FILTER DPI CONTROLLER	N	N	N	3	N	N	WEST 684J741
PB1	PIC-00183B	F-39B RCP SEAL INJECTION FILTER DPI CONTROLLER	N	N	N	3	N	N	WEST 684J741
PB1	PIPING CH 0151R-01	VCT TO CHARGING PUMP/DRAIN/RV DISCHARGE	Y	N	N	1	N	N	WEST 684J741
PB1	PIPING CH 0151R-02	SEAL WTR RET FROM RCP-HX-VCT/EXCESS LETDOWN LINE	Y	N	N	1	N	N	WEST 684J741
PB1	PIPING CH 0151R-08	NON-REGEN HX DWNSTRM OF CV/DEMIN DRNS/VENTS/VCT	Y	N	N	1	N	N	WEST 684J741
PB1	PIPING CH 0151R-10	SPENT RESIN FROM DEMIN TO SRST AND RESIN FILL	Y	N	N	3	N	N	WEST 684J741
PB1	PIPING CH 0151R-11	RELIEF TO DEMIN/LINE DWNSTRM NON-REGEN HX TO VCT	Y	N	N	1	N	N	WEST 684J741
PB1	PIPING CH 0151R-12	DRAINS/VENTS/ETC FROM VCT	Y	N	N	1	N	N	WEST 684J741
PB1	PIPING CH 0151R-13	NITROGEN/HYDROGEN SUPPLY TO VCT DWNSTRM 113&114	Y	N	N	1	N	N	WEST 684J741
PB1	PIPING CH 0151R-22	BA XFR PUMP DIS/BA BLENDER TO CHG PMP SUCT HDR	Y	N	N	1	N	N	WEST 684J741
PB1	PIPING CH 0151R-25	CHEM MIXING TANK TO CHG PUMP SUCTION HDR	Y	N	N	3	N	N	WEST 684J741 SH2



FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM CVCS

SORT: PRIMARY KEY

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	CIV	*****
PB1	T-005	CHEMICAL MIXING TANK	N	N	N	3	N	WEST 684J741
PB1	T-058A	P-2A CHARGING PUMP SUCTION PRESSURE STABILIZER	Y	N	N	1	N	WEST 684J741
PB1	T-058B	P-2B CHARGING PUMP SUCTION PRESSURE STABILIZER	Y	N	N	1	N	WEST 684J741
PB1	T-058C	P-2C CHARGING PUMP SUCTION PRESSURE STABILIZER	Y	N	N	1	N	WEST 684J741
PB1	T-070A	P-2A CHARGING PUMP DISCHARGE ACCUMULATOR	Y	N	N	1	N	WEST 684J741
PB1	T-070B	P-2B CHARGING PUMP DISCHARGE ACCUMULATOR	Y	N	N	1	N	WEST 684J741
PB1	T-070C	P-2C CHARGING PUMP DISCHARGE ACCUMULATOR	Y	N	N	1	N	WEST 684J741
PB1	TB-050	CHARGING PUMP TERMINAL BOX (FORMERLY N-11)	Y	N	N	1	N	NONE
PB1	TB-076	FT-177 RCP SEAL WATER/FIA-458 RTD FLOW PWR SUP	N	N	N	3	N	NONE
PB1	TB-077	FT-178 RCP SEAL WATER/FIA-459 RTD FLOW PWR SUP	N	N	N	3	N	NONE
PB1	TC-00125	P-1B RCP SEAL WATER INLET HIGH TEMP BISTABLE	N	N	N	3	N	NONE
PB1	TC-00125-X	P-1B RCP SEAL WATER INLET HIGH TEMP RELAY	N	N	N	3	N	NONE
PB1	TC-00127	HX-2 REGEN HX HIGH TEMPERATURE ALARM BISTABLE	N	N	N	3	N	NONE
PB1	TC-00127-X	REGEN HX HIGH TEMP ALARM RELAY	N	N	N	3	N	NONE
PB1	TC-00129	CV-209 LETDOWN RELIEF HIGH TEMPERATURE BISTABLE	N	N	N	3	N	NONE
PB1	TC-00129-X	LP LETDOWN RELIEF VALVE HIGH TEMP RELAY	N	N	N	3	N	NONE
PB1	TC-00130	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE CTRL	N	N	N	3	N	NONE
PB1	TC-00132	P-1A RCP SEAL WATER INLET HIGH TEMP BISTABLE	N	N	N	3	N	NONE
PB1	TC-00132-X	P-1A RCP SEAL WATER INLET HIGH TEMP RELAY	N	N	N	3	N	NONE
PB1	TC-00140	T-4 VCT HIGH TEMPERATURE ALARM BISTABLE	N	N	N	3	N	NONE
PB1	TC-00140-X	VCT HIGH TEMP ALARM RELAY	N	N	N	3	N	NONE
PB1	TC-00145	HX-3A/B NON-REGEN HX LTDN OUT HIGH TEMP ALM BS	N	N	N	3	N	WEST 684J741
PB1	TC-00145-X	NON-REGEN HX LETDOWN OUTLET HI TEMP ALRM RELAY	N	N	N	3	N	NONE
PB1	TC-00181	P-1A RCP SEAL WATER DISCH HI TEMP ALARM BISTABLE	N	N	N	3	N	NONE
PB1	TC-00181-X	P-1A RCP SEAL WATER DISCH HIGH TEMP ALARM RELAY	N	N	N	3	N	NONE
PB1	TC-00182	P-1B RCP SEAL WATER DISCH HI TEMP ALARM BISTABLE	N	N	N	3	N	NONE
PB1	TC-00182-X	P-1B RCP SEAL WATER DISCH HIGH TEMP ALARM RELAY	N	N	N	3	N	NONE
PB1	TC-00205	GAS STRIPPER HOTWELL TEMPERATURE SWITCH	N	N	N	3	N	NONE
PB1	TE-00107	T-6A BA TANK TEMPERATURE RTD	N	N	N	3	N	WEST 684J741
PB1	TE-00122	HX-4 ELHX OUTLET TEMPERATURE RTD	N	N	N	3	N	WEST 684J741
PB1	TE-00125	P-1B RCP SEAL WATER INJECTION TEMPERATURE RTD	N	N	N	3	N	NONE
PB1	TE-00126	HX-2 REGEN HX CHARGING OUTLET TEMPERATURE RTD	N	N	N	3	N	WEST 684J741
PB1	TE-00127	HX-2 REGEN HX LETDOWN OUTLET TEMPERATURE RTD	N	N	N	3	N	WEST 684J741
PB1	TE-00129	CV-209 LETDOWN RELIEF TEMPERATURE RTD	N	N	N	3	N	WEST 684J741
PB1	TE-00130	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE RTD	N	N	N	3	N	NONE
PB1	TE-00132	P-1A RCP SEAL WATER INJECTION TEMPERATURE RTD	N	N	N	3	N	NONE
PB1	TE-00140	T-4 VCT OUTLET TEMPERATURE RTD	N	N	N	3	N	WEST 684J741
PB1	TE-00145	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE RTD	N	N	N	3	N	NONE
PB1	TE-00181	P-1A RCP #1 SEAL WATER RETURN TEMPERATURE RTD	N	N	N	3	N	NONE
PB1	TE-00182	P-1B RCP #1 SEAL WATER RETURN TEMPERATURE RTD	N	N	N	3	N	NONE
PB1	TI-00105	T-6A BA TANK TEMPERATURE INDICATOR	N	N	N	3	N	WEST 684J741
PB1	TI-00117	P-1A/B RCP #1 SEAL WATER RETURN TEMPERATURE IND	N	N	N	3	N	WEST 684J741
PB1	TI-00120	HX-5 SEAL WATER HX OUTLET TEMPERATURE INDICATOR	N	N	N	3	N	WEST 684J741
PB1	TI-00122	HX-4 ELHX OUTLET TEMPERATURE INDICATOR	N	N	N	3	N	NONE
PB1	TI-00125	P-1B RCP SEAL WATER SUCTION TEMPERATURE IND	N	N	N	3	N	NONE
PB1	TI-00126	HX-2 REGEN HX TEMPERATURE INDICATOR	N	N	N	3	N	NONE
PB1	TI-00127	HX-2 REGEN HX TEMPERATURE INDICATOR	N	N	N	3	N	NONE
PB1	TI-00130	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE IND	N	N	N	3	N	NONE
PB1	TI-00132	P-1A RCP SEAL WATER SUCTION TEMPERATURE IND	N	N	N	3	N	NONE
PB1	TI-00140	T-4 VCT OUTLET TEMPERATURE INDICATOR	N	N	N	3	N	NONE
PB1	TI-00181	P-1A RCP SEAL WATER DISCHARGE TEMPERATURE IND	N	N	N	3	N	NONE
PB1	TI-00182	P-1B RCP SEAL WATER DISCHARGE TEMPERATURE IND	N	N	N	3	N	NONE



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POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIPMENT NAME	Q	S	E	S	F	P & ID	
****	*****	*****	A	R	Q	E	CIV	P	
PB1	TI-00205	GAS STRIPPER HOTWELL TEMPERATURE INDICATOR	N	N	N	3	N	N	NONE
PB1	TI-00206	HX-6A BS GS PREHTR FEED TEMPERATURE INDICATOR	N	N	N	3	N	N	NONE
PB1	TIC-00107	T-6A BA TANK HEATER TEMPERATURE INDICATOR CTLR	N	N	N	3	N	N	NONE
PB1	TIC-00207	HX-6A BS GS COND FEED TEMPERATURE INDICATOR CTLR	N	N	N	3	N	N	NONE
PB1	TM-00122	HX-4 ELHX OUTLET TEMPERATURE R/I CONVERTER	N	N	N	3	N	N	NONE
PB1	TM-00125	P-1B RCP SEAL WATER INLET TEMPERATURE R/I CONV	N	N	N	3	N	N	NONE
PB1	TM-00126	HX-2A REGEN HX TEMPERATURE R/I CONVERTER	N	N	N	3	N	N	NONE
PB1	TM-00127	HX-2A REGEN HX TEMPERATURE R/I CONVERTER	N	N	N	3	N	N	NONE
PB1	TM-00129	CV-209 LETDOWN RELIEF TEMPERATURE R/I CONVERTER	N	N	N	3	N	N	NONE
PB1	TM-00130	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE R/I CONV	N	N	N	3	N	N	NONE
PB1	TM-00132	P-1A RCP SEAL WATER INLET TEMPERATURE R/I CONV	N	N	N	3	N	N	NOPE
PB1	TM-00140	T-4 VCT TEMPERATURE R/I CONVERTER	N	N	N	3	N	N	NONE
PB1	TM-00145	HX-3A/B NON-REGEN HX LTDN OUTLET TEMP R/I CONV	N	N	N	3	N	N	NONE
PB1	TM-00181	P-1A RCP SEAL WATER DISCHARGE TEMP R/I CONV	N	N	N	3	N	N	NONE
PB1	TM-00182	P-1B RCP SEAL WATER DISCHARGE TEMP R/I CONV	N	N	N	3	N	N	NONE
PB1	TT-00205	GAS STRIPPER HOTWELL TEMPERATURE TRANSMITTER	N	N	N	3	N	N	NONE
PB1	TT-00206	HX-6A BS GS PREHTR FEED TEMPERATURE TRANSMITTER	N	N	N	3	N	N	NONE
PB1	TT-00207	HX-6A BS GS COND FEED TEMPERATURE TRANSMITTER	N	N	N	3	N	N	NONE
PB1	TX-00122	HX-4 EXCESS LETDOWN HX OUTLET TEMP TESTPOINT	N	N	N	3	N	N	NONE
PB1	TX-00125	RC PUMP B SEAL WATER INLET TEMPERATURE TESTPOINT	N	N	N	3	N	N	NONE
PB1	TX-00126	REGEN HEAT EXCHANGER TEMPERATURE TESTPOINT	N	N	N	3	N	N	NONE
PB1	TX-00129	LP LETDOWN RELIEF VALVE TEMPERATURE TESTPOINT	N	N	N	3	N	N	NONE
PB1	TX-00130	HX-3A/B NON-REGEN HX OUTLET TEMP TESTPOINT	N	N	N	3	N	N	NONE
PB1	TX-00132	RC PUMP A SEAL WATER INLET TEMPERATURE TESTPOINT	N	N	N	3	N	N	NONE
PB1	TX-00181	P-1A RCP SEAL WATER DISCHARGE TEMP TESTPOINT	N	N	N	3	N	N	NONE
PB1	TX-00182	P-1B RCP SEAL WATER DISCHARGE TEMP TESTPOINT	N	N	N	3	N	N	NONE
PB1	U-01A	MIXED BED DEMINERALIZER	Y	N	N	2	N	N	WEST 684J741
PB1	U-01B	MIXED BED DEMINERALIZER	Y	N	N	2	N	N	WEST 684J741
PB1	U-02A	DEBORATING DEMINERALIZER	Y	N	N	2	N	N	WEST 684J741
PB1	U-02B	DEBORATING DEMINERALIZER	Y	N	N	2	N	N	WEST 684J741
PB1	U-09	CATION BED DEMINERALIZER	Y	N	N	2	N	N	WEST 684J741
PB1	YC-00110	BORIC ACID FLOW COUNTER DEVIATION ALARM	N	N	N	3	N	N	NONE
PB1	YC-00111	DILUTION FLOW COUNTER DEVIATION ALARM	N	N	N	3	N	N	NONE
PB1	YIC-00110	BORIC ACID FLOW TOTALIZER	N	N	N	3	N	N	NONE
PB1	YIC-00111	DILUTION FLOW TOTALIZER	N	N	N	3	N	N	NONE
PB1	YM-00110	BORIC ACID FLOW TOTALIZER	N	N	N	3	N	N	NONE
PB1	YM-00111	DILUTION FLOW TOTALIZER	N	N	N	3	N	N	NONE
PB1	Z-001	BORIC ACID BLENDER	N	N	N	3	N	N	WEST 684J741
PB1	1/CV-00110A	BA TO Z-1 BA BLENDER INLET FCV CONTROL SWITCH	*						NONE
PB1	1/CV-00110B	Z-1 BA BLENDER OUTLET FCV CONTROL SWITCH	*						NONE
PB1	1/CV-00110C	T-4 VCT BORIC ACID INLET FCV CONTROL SWITCH	*						NONE
PB1	1/CV-00111	RMW TO Z-1 BA BLENDER FCV CONTROL SWITCH	*						NONE
PB1	1/CV-00112A	T-4 VCT LEVEL CONTROL DIVERT CONTROL SWITCH	*						NONE
PB1	1/CV-00112B	P-2A-C CHARGING PUMP REFUELING WATER SUCT CTL SW	*						NONE
PB1	1/CV-00112C	T-4 VCT OUTLET CONTROL SWITCH	*						NONE
PB1	1/CV-00145	HX-3A/B NON-REGEN HX OUTLET TCV CONTROL SWITCH	*						NONE
PB1	1/CV-00200A	LETDOWN ORIFICE A OUTLET CONTROL SWITCH	*						NONE
PB1	1/CV-00200B	LETDOWN ORIFICE B OUTLET CONTROL SWITCH	*						NONE
PB1	1/CV-00200C	LETDOWN ORIFICE C OUTLET CONTROL SWITCH	*						NONE
PB1	1/CV-00244	U-9/U-1A/B CATION/MB DEMIN OUTLET DIVERT CTL SW	*						NONE
PB1	1/CV-00270A	P-1A RCP #1 SEAL WATER RETURN CONTROL SWITCH	*						NONE
PB1	1/CV-00270B	P-1B RCP #1 SEAL WATER RETURN CONTROL SWITCH	*						NONE

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POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
*****	*****	*****	A	R	Q	E	CIV	P
PB1	1/CV-00285	HX-4 ELHX OUTLET CONTROL SWITCH	*					NONE
PB1	1/CV-00296	HX-2 REGEN HX TO AUXILIARY SPRAY CONTROL SWITCH	*					NONE
PB1	1/CV-00312	HX-4 ELHX OUTLET DIVERT CONTROL SWITCH	*					NONE
PB1	1/CV-00313	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION CTL SW	*					NONE
PB1	1/CV-00313A	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION CTL SW	*					NONE
PB1	1/CV-00350	P-4A/B BA XFR PUMP P-2A-C CHG PUMP SUCT CTL SW	*					NONE
PB1	1/CV-00371	LETDOWN LINE CONTAINMENT ISOLATION CONTROL SW	*					NONE
PB1	1/CV-00371A	LETDOWN LINE CONTAINMENT ISOLATION CONTROL SW	*					NONE
PB1	1/CV-00386	P-1A/B RCP #1 SEAL WATER BYPASS CONTROL SWITCH	*					NONE
PB1	1/CV-01296	AUXILIARY CHARGING LINE ISOLATION CONTROL SWITCH	*					NONE
PB1	1/CV-01298	HX-2 REGEN OUT CHG ISOL/LOOP A COLD LEG CTL SW	*					NONE
PB1	1/CV-01299	HX-4 ELHX INLET FROM RC LOOP A COLD LEG CTL SW	*					NONE
PB1	1/P-002A	P-2A CHARGING PUMP CONTROL SWITCH	*					NONE
PB1	1/P-002B	P-2B CHARGING PUMP CONTROL SWITCH	*					NONE
PB1	1/P-002C	P-2C CHARGING PUMP CONTROL SWITCH	*					NONE
PB1	1/P-004A	P-4A BORIC ACID TRANSFER PUMP CONTROL SWITCH	*					NONE
PB1	1/P-004B	P-4B BORIC ACID TRANSFER PUMP CONTROL SWITCH	*					NONE
PB1	62/BSX-6TD	BA FLOW DEVIATION ALARM TIME DELAY RELAY	N	N	N	3	N	NONE
PB1	62/BSX-7TD	RMW FLOW DEVIATION ALARM TIME DELAY RELAY	N	N	N	2	N	NONE
PB2	C-125	CVCS CONTROL PANEL	Y	N	N	3	N	NONE
PB2	C-126	CVCS CONTROL PANEL	Y	N	N	3	N	NONE
PB2	CV	CV SYSTEM MULTI AND/OR NON-NUMBERED EQUIPMENT	*	*	*	*	*	NONE
PB2	CV-D-02	HX-2 REGEN HX LETDOWN INLET DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-03	LETDOWN DRIFICES OUTLET DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-04	N-16 LETDOWN DECAY LINE DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-05	RHR TO CV-133 LETDOWN OUTLET DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-06	RHR TO RH-703 LETDOWN DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-07	P-1A RCP #1 SEAL WATER RETURN DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-11	HX-4 ELHX OUTLET DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-12	HX-3A/B NON-REGEN HX INLET DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-13	HX-3A/B NON-REGEN HX INTERSTAGE DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-14	HX-3A/B NON-REGEN HX OUTLET DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-15	HX-5 SEAL WATER HX INLET DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-16	HX-5 SEAL WATER HX TUBE SIDE DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-17	HX-5 SEAL WATER HX OUTLET DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-18	HX-2 REGEN HX INLET DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-19	P-2A-C CHG PUMP SUCTION FROM REFUELING WATER DRN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-20	P-2A-C CHG PUMP SUCTION FROM REFUELING WATER DRN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-22	HX-4 ELHX DIVERT VALVE TO LETDOWN DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-23	HX-3A/B NON-REGEN HX OUTLET DIVERT DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-D-24	P-1A/B RCP #1 SEAL RETURN LINE TEST CONNECTION	Y	N	N	1	N	WEST 685J175
PB2	CV-D-25	LETDOWN LINE ISOLATION TEST CONNECTION	Y	N	N	1	N	WEST 685J175
PB2	CV-V-01	HX-4 ELHX INLET VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-V-02	P-1A/B RCP SEAL WATER INJECTION VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-V-04	P-2A-C CHARGING PUMP DISCHARGE VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-V-05	LETDOWN LINE VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-00110A	BA TO Z-1 BA BLENDER INLET FLOW CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00110A-0	BA TO Z-1 BA BLENDER INLET FLOW CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00110A-8	BA TO Z-1 BA BLENDER INLET FLOW CONTROL SOLENOID	N	N	N	3	N	NONE
PB2	CV-00110B	Z-1 BA BLENDER OUTLET FLOW CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00110B-0	Z-1 BA BLENDER OUTLET FLOW CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00110B-S	Z-1 BA BLENDER OUTLET FLOW CONTROL SOLENOID	N	N	N	3	N	NONE

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POINT BEACH QLIST FOR SYSTEM CVCS

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UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
*****	*****	*****	A	R	Q	E	CIV	*****
PB2	CV-00110C	T-4 VCT BORIC ACID INLET FLOW CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00110C-0	T-4 VCT BORIC ACID INLET FLOW CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00110C-S	T-4 VCT BORIC ACID INLET FLOW CONTROL SOLENOID	N	N	N	3	N	NONE
PB2	CV-00111	RMW TO Z-1 8A BLENDER FLOW CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00111-0	RMW TO Z-1 8A BLENDER FLOW CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00111-S	RMW TO Z-1 8A BLENDER FLOW CONTROL SOLENOID	N	N	N	3	N	NONE
PB2	CV-00112A	T-4 VCT LEVEL CONTROL DIVERT	Y	N	N	1	N	WEST 685J175
PB2	CV-00112A-0	T-4 VCT LEVEL CONTROL DIVERT OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00112A-S	T-4 VCT LEVEL CONTROL DIVERT SOLENOID	N	N	N	3	N	NONE
PB2	CV-00112B	P-2A-C CHARGING PUMP REFUELING WATER SUCTION	Y	N	N	1	N	WEST 685J175
PB2	CV-00112B-M	P-2A-C CHG PUMP REFUELING WATER SUCTION MOTOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00112B-Q	P-2A-C CHG PUMP REFUELING WATER SUCTION OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00112C	T-4 VCT OUTLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00112C-M	T-4 VCT OUTLET MOTOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00112C-0	T-4 VCT OUTLET OPERATOR	Y	Y	N	1	N	WEST 685J175
PB2	CV-00113	T-4 VCT HYDROGEN INLET PRESSURE CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00113-0	T-4 VCT HYDROGEN INLET PRESSURE CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00113A	CV-113 VCT HYDROGEN INLET PRESSURE CONTROL CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00113B	CV-113 VCT HYDROGEN INLET PRESSURE CONTROL CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00114	T-4 VCT NITROGEN INLET PRESSURE CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00114-0	T-4 VCT NITROGEN INLET PRESSURE CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00114A	CV-114 VCT NITROGEN INLET PRESSURE CONTROL CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00114B	CV-114 VCT NITROGEN INLET PRESSURE CONTROL CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00130	HX-3A NON-REGEN HX OUTLET TEMPERATURE CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00130-0	HX-3A NON-REGEN HX OUTLET TEMP CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00133	RHR TO LETDOWN ISOLATION	Y	Y	N	1	Y	WEST 685J175
PB2	CV-00133-0	RHR TO LETDOWN ISOLATION OPERATOR	Y	Y	N	1	N	WEST 685J175
PB2	CV-00135	LP LETDOWN LINE BACKPRESSURE CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00135-0	LP LETDOWN LINE BACKPRESSURE CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00142	CHARGING LINE FLOW CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00142 GRN LGT	CHARGING LINE FLOW CONTROL SHUT IND LGT	*					NONE
PB2	CV-00142 RED LGT	CHARGING LINE FLOW CONTROL OPEN IND LGT	*					NONE
PB2	CV-00142-0	CHARGING LINE FLOW CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00145	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00145-0	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE CTL OPER	Y	N	N	1	N	WEST 685J175
PB2	CV-00145-S	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE CTL SOL	N	N	N	3	N	NONE
PB2	CV-00158	T-4 VCT GAS MAKEUP INLET PRESSURE CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00191	T-4 VCT VENT HEADER PRESSURE CONTROL	N	N	N	1	N	WEST 685J175
PB2	CV-00191-0	T-4 VCT VENT HEADER PRESSURE CONTROL OPERATOR	N	N	N	1	N	WEST 685J175
PB2	CV-00200A	LETDOWN ORIFICE A OUTLET CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00200A-0	LETDOWN ORIFICE A OUTLET CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00200A-S	LETDOWN ORIFICE A OUTLET CONTROL SOLENOID	N	N	N	3	N	NONE
PB2	CV-00200B	LETDOWN ORIFICE B OUTLET CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00200B-0	LETDOWN ORIFICE B OUTLET CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00200B-S	LETDOWN ORIFICE B OUTLET CONTROL SOLENOID	N	N	N	3	N	NONE
PB2	CV-00200C	LETDOWN ORIFICE C OUTLET CONTROL	Y	N	N	1	N	WEST 685J175
PB2	CV-00200C-0	LETDOWN ORIFICE C OUTLET CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00200C-S	LETDOWN ORIFICE C OUTLET CONTROL SOLENOID	N	N	N	3	N	NONE
PB2	CV-00202A	P-1A RCP #1 SEAL WATER RETURN BYP FIC-179 OUTLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00202B	P-1B RCP #1 SEAL WATER RETURN BYP FIC-180 OUTLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00203	LETDOWN ORIFICE OUTLET RELIEF	Y	N	N	1	N	WEST 685J175
PB2	CV-00204A	HX-3A/B NON-REGEN HX INLET	Y	Y	N	1	Y	WEST 685J175

FILE: EQUIPMENT MASTER

POINT BEACH QLIST FOR SYSTEM CVCS

SORT: PRIMARY KEY

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	CIV	P
PB2	CV-00204B	HX-3A/B NON-REGEN HX OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00205A	T-4 VCT VENT HEADER INLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00205B	T-4 VCT VENT HEADER OUTLET	N	N	N	1	N	N WEST 685J175
PB2	CV-00206A	P-1A RCP #1 SEAL WATER RET BYP VENT 1ST OFF ISOL	Y	N	N	1	N	N WEST 685J175
PB2	CV-00206B	P-1B RCP #1 SEAL WATER RET BYP VENT 1ST OFF ISOL	Y	N	N	1	N	N WEST 685J175
PB2	CV-00207A	HX-3A/B NON-REGEN HX PT-135 OUTLET PT ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00207B	HX-3A/B NON-REGEN HX FT-134 OUTLET HI SIDE ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00207C	HX-3A/B NON-REGEN HX FT-134 OUTLET LOW SIDE ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00208	RMW PI-170 INLET ROOT	N	N	N	1	N	N WEST 685J175
PB2	CV-00209	HX-3A/B NON-REGEN HX OUTLET SAFETY RELIEF	Y	N	N	1	N	N WEST 685J175
PB2	CV-00210	WATER PURIFICATION SYSTEM PI-136 INLET ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00211	U-9 CATION BED DEMIN BYPASS	Y	N	N	1	N	N WEST 685J175
PB2	CV-00212	U-1A MIXED BED DEMIN INLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00213	U-1A MIXED BED DEMIN RESIN FILL	Y	N	N	3	N	N WEST 685J175
PB2	CV-00214	U-1A MIXED BED DEMIN VENT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00215	U-1A MIXED BED DEMIN RESIN FLUSH	Y	N	N	3	N	N WEST 685J175
PB2	CV-00216	U-1A MIXED BED DEMIN OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00220	U-9 CATION BED DEMIN RESIN FILL	Y	N	N	3	N	N WEST 685J175
PB2	CV-00221	U-1B MIXED BED DEMIN RESIN FLUSH	Y	N	N	3	N	N WEST 685J175
PB2	CV-00222	U-1B MIXED BED DEMIN VENT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00223	U-1B MIXED BED DEMIN INLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00224	U-1B MIXED BED DEMIN RESIN FILL	Y	N	N	3	N	N WEST 685J175
PB2	CV-00225	U-1B MIXED BED DEMIN OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00226A	U-2B DEBORATING DEMIN SECOND INLET ISOLATION	Y	N	N	1	N	N WEST 685J175
PB2	CV-00226B	U-2B DEBORATING DEMIN FIRST INLET ISOLATION	Y	N	N	1	N	N WEST 685J175
PB2	CV-00227A	U-2A DEBORATING DEMIN SECOND INLET ISOLATION	Y	N	N	1	N	N WEST 685J175
PB2	CV-00227B	U-2A DEBORATING DEMIN FIRST INLET ISOLATION	Y	N	N	1	N	N WEST 685J175
PB2	CV-00228	U-2A/B DEBORATING DEMIN REGEN CHEMICAL INLET	Y	N	N	3	N	N WEST 685J175
PB2	CV-00229A	U-2A DEBORATING DEMIN INLET DRAIN	Y	N	N	1	N	N WEST 685J175
PB2	CV-00229B	U-2B DEBORATING DEMIN INLET DRAIN	Y	N	N	1	N	N WEST 685J175
PB2	CV-00230A	U-2A DEBORATING DEMIN REGEN CHEMICAL INLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00230B	U-2B DEBORATING DEMIN REGEN CHEMICAL INLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00231A	P-2A CHARGING PUMP SUCTION DRAIN	Y	N	N	1	N	N WEST 685J175
PB2	CV-00231B	P-2B CHARGING PUMP SUCTION DRAIN	Y	N	N	1	N	N WEST 685J175
PB2	CV-00231C	P-2C CHARGING PUMP SUCTION DRAIN	Y	N	N	1	N	N WEST 685J175
PB2	CV-00232	U-2A/B DEBORATING DEMIN RMW INLET	Y	N	N	3	N	N WEST 685J175
PB2	CV-00233	U-2A/B DEBORATING DEMIN RMW OUTLET	Y	N	N	3	N	N WEST 685J175
PB2	CV-00234A	RMW TO U-2A DEBORATING DEMIN	Y	N	N	3	N	N WEST 685J175
PB2	CV-00234B	RMW TO U-2B DEBORATING DEMIN	Y	N	N	3	N	N WEST 685J175
PB2	CV-00235	U-2A/B DEBORATING DEMIN RINSE LINE	Y	N	N	3	N	N WEST 685J175
PB2	CV-00236A	U-2A DEBORATING DEMIN OUTLET DRAIN	Y	N	N	3	N	N WEST 685J175
PB2	CV-00236B	U-2B DEBORATING DEMIN OUTLET DRAIN	Y	N	N	3	N	N WEST 685J175
PB2	CV-00237A	U-2A DEBORATING DEMIN FIRST OUTLET	Y	N	N	3	N	N WEST 685J175
PB2	CV-00237B	U-2A DEBORATING DEMIN SECOND OUTLET	Y	N	N	3	N	N WEST 685J175
PB2	CV-00238A	U-2B DEBORATING DEMIN FIRST OUTLET	Y	N	N	3	N	N WEST 685J175
PB2	CV-00238B	U-2B DEBORATING DEMIN SECOND OUTLET	Y	N	N	3	N	N WEST 685J175
PB2	CV-00239A	DEMINEALIZER SYSTEM INLET CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00239B	U-2A/B DEBORATING DEMIN OUTLET CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00240	U-2A DEBORATING DEMIN RESIN FILL	Y	N	N	3	N	N WEST 685J175
PB2	CV-00241	U-2B DEBORATING DEMIN RESIN FILL	Y	N	N	3	N	N WEST 685J175
PB2	CV-00242	U-2A DEBORATING DEMIN RESIN FLUSH	Y	N	N	3	N	N WEST 685J175
PB2	CV-00243	U-2B DEBORATING DEMIN RESIN FLUSH	Y	N	N	3	N	N WEST 685J175



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POINT BEACH QLIST FOR SYSTEM CVCS

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UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
*****	*****	*****	A	R	Q	E	CIV	*****
PB2	CV-00244	U-9/U-1A/B CATION/MB DEMIN OUTLET DIVERT	Y	N	N	1	N	WEST 685J175
PB2	CV-00244-0	U-9/U-1A/B CATION/MB DEMIN OUTLET DIVERT OPER	Y	N	N	1	N	WEST 685J175
PB2	CV-00244-S	U-9/U-1A/B CATION/MB DEMIN OUTLET DIVERT SOL	N	N	N	3	N	NONE
PB2	CV-00245	U-2A/B DEBORATING DEMIN INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00246	U-9 CATION BED DEMIN INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00247	U-2A/B DEBORATING DEMIN OUTLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00248A	F-1 KC FILTER PI-137 INLET ROOT	Y	N	N	1	N	WEST 685J175
PB2	CV-00248B	F-1 RC FILTER PI-138 OUTLET ROOT	Y	N	N	1	N	WEST 685J175
PB2	CV-00249A	F-1 RC FILTER INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00249B	F-1 RC FILTER OUTLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00250	F-1 RC FILTER BYPASS	Y	N	N	1	N	WEST 685J175
PB2	CV-00251	HX-3A/B NON-REGEN HX CV-135 OUT BKPRESS CTL BYP	Y	N	N	1	N	WEST 685J175
PB2	CV-00252	HX-3A/B NON-REGEN HX CV-135 OUT BKPRESS CTL IN	Y	N	N	1	N	WEST 685J175
PB2	CV-00253	HX-3A/B NON-REGEN HX CV-135 OUT BKPRESS CTL OUT	Y	N	N	1	N	WEST 685J175
PB2	CV-00254	CV-112A DIVERT OUTLET TO T-8A-C CVCS HUT CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00255A	T-4 VCT LT-112 UPPER ROOT	Y	N	N	1	N	WEST 685J175
PB2	CV-00255B	T-4 VCT LT-112 LOWER ROOT	Y	N	N	1	N	WEST 685J175
PB2	CV-00255C	T-4 VCT LT-141 UPPER ROOT	Y	N	N	1	N	WEST 685J175
PB2	CV-00255D	T-4 VCT LT-141 LOWER ROOT	Y	N	N	1	N	WEST 685J175
PB2	CV-00256A	T-4 VCT INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00256B	CV-112A DIVERT OUTLET TO HOLDUP TANKS	Y	N	N	1	N	WEST 685J175
PB2	CV-00257	T-4 VCT SAFETY RELIEF TO T-8A-C CVCS HUT	Y	N	N	1	N	WEST 685J175
PB2	CV-00258-S	T-4 VCT VENT HEADER SOLENOID	N	N	N	3	N	WEST 685J175
PB2	CV-00259	T-4 VCT GAS ANALYZER INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00260	T-4 VCT PT-139 VENT ROOT	Y	N	N	1	N	WEST 685J175
PB2	CV-00261A	T-4 VCT HYDROGEN INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00261B	T-4 VCT NITROGEN INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00261C	T-4 VCT CRYOGENIC RETURN	Y	N	N	1	N	WEST 685J175
PB2	CV-00261E	T-4 VCT GAS SUPPLY VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-00261F	T-4 VCT GAS SUPPLY VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-00261G	T-4 VCT GAS SUPPLY VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-00261H	T-4 VCT CV-158 GAS MAKEUP PRESS CONTROL INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00261I	T-4 VCT CV-158 GAS MAKEUP PRESS CONTROL OUTLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00261J	T-4 VCT GAS MAKEUP INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00261K	T-4 VCT CV-158 GAS MAKEUP PRESS CONTROL BYPASS	Y	N	N	1	N	WEST 685J175
PB2	CV-00261L	T-4 VCT PI-158 GAS MAKEUP ISOLATION	Y	N	N	1	N	WEST 685J175
PB2	CV-00261M	T-4 VCT CV-158 H2 INLET PRESS CTL UPSTREAM VENT	N	N	N	3	N	WEST 685J175
PB2	CV-00261N	T-4 VCT CV-158 H2 INLET PRESS CTL DNSTRM VENT	N	N	N	3	N	WEST 685J175
PB2	CV-00261P	T-4 VCT CV-114 H2 INLET PRESS CTL DNSTRM VENT	N	N	N	3	N	WEST 685J175
PB2	CV-00261Q	T-4 VCT CV-113 H2 INLET PRESS CTL DNSTRM VENT	N	N	N	3	N	WEST 685J175
PB2	CV-00262A	P-2A CHG PUMP DISCH HEADER DRAIN FIRST OFF ISOL	Y	N	N	1	N	WEST 685J175
PB2	CV-00262B	P-2B CHG PUMP DISCH HEADER DRAIN FIRST OFF ISOL	Y	N	N	1	N	WEST 685J175
PB2	CV-00262C	P-2C CHG PUMP DISCH HEADER DRAIN FIRST OFF ISOL	Y	N	N	1	N	WEST 685J175
PB2	CV-00262D	P-2A CHG PUMP DISCH HEADER DRAIN SECOND OFF ISOL	Y	N	N	1	N	WEST 685J175
PB2	CV-00263	T-4 VCT GAS MAKEUP CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00264	T-4 VCT DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-00265	HX-5 SEAL WATER HX INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00266	T-4 VCT OUTLET CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00267	P-2A CHARGING PUMP SUCTION	Y	N	N	1	N	WEST 685J175
PB2	CV-00268	P-2B/C CHARGING PUMP SUCTION HEADER ISOLATION	Y	N	N	1	N	WEST 685J175
PB2	CV-00269	P-2B CHARGING PUMP SUCTION	Y	N	N	1	N	WEST 685J175
PB2	CV-00270A	P-1A RCP #1 SEAL WATER RETURN	Y	N	N	1	N	WEST 685J175

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POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
			A	R	Q	E	CIV	
			*	*	*	*	***	*****
PB2	CV-00270A-M	P-1A RCP #1 SEAL WATER RETURN MOTOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00270A-O	P-1A RCP #1 SEAL WATER RETURN OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00270B	P-1B RCP #1 SEAL WATER RETURN	Y	N	N	1	N	WEST 685J175
PB2	CV-00270B-M	P-1B RCP #1 SEAL WATER RETURN MOTOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00270B-O	P-1B RCP #1 SEAL WATER RETURN OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00271	T-5 CHEMICAL MIXING TANK OUTLET CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00273	T-5 CHEMICAL MIXING TANK DRAIN	N	N	N	3	N	WEST 685J175
PB2	CV-00274A	P-2A CHARGING PUMP CASING VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-00274B	P-2B CHARGING PUMP CASING VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-00274C	P-2C CHARGING PUMP CASING VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-00275	F-39A/B RCP SEAL INJECTION FILTER BYPASS	Y	N	N	1	N	WEST 685J175
PB2	CV-00276	U-2A/B DEBOR DEMIN PI-152 INLET ROOT	Y	N	N	3	N	WEST 685J175
PB2	CV-00277	T-4 VCT INLET CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00278A	P-2A CHARGING PUMP SUCTION T-4 VCT RETURN CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00278B	P-2B CHARGING PUMP SUCTION T-4 VCT RETURN CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00278C	P-2C CHARGING PUMP SUCTION T-4 VCT RETURN CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00279A	P-2A CHARGING PUMP SUCTION T-4 VCT RETURN	Y	N	N	1	N	WEST 685J175
PB2	CV-00279B	P-2B CHARGING PUMP SUCTION T-4 VCT RETURN	Y	N	N	1	N	WEST 685J175
PB2	CV-00279C	P-2C CHARGING PUMP SUCTION T-4 VCT RETURN	Y	N	N	1	N	WEST 685J175
PB2	CV-00280A	P-2A CHARGING PUMP CASING DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-00280B	P-2B CHARGING PUMP CASING DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-00280C	P-2C CHARGING PUMP CASING DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-00283A	P-2A CHARGING PUMP DISCHARGE RELIEF TO T-4 VCT	Y	N	N	1	N	WEST 685J175
PB2	CV-00283B	P-2B CHARGING PUMP DISCHARGE RELIEF TO T-4 VCT	Y	N	N	1	N	WEST 685J175
PB2	CV-00283C	P-2C CHARGING PUMP DISCHARGE RELIEF TO T-4 VCT	Y	N	N	1	N	WEST 685J175
PB2	CV-00284	T-4 VCT SAMPLE RETURN	Y	N	N	1	N	WEST 685J175
PB2	CV-00285	HX-4 ELHX OUTLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00285-M	HX-4 ELHX OUTLET MOTOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00285-O	HX-4 ELHX OUTLET OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00286	P-2A CHARGING PUMP DISCHARGE	Y	N	N	1	N	WEST 685J175
PB2	CV-00287	P-2A CHARGING PUMP DISCHARGE TO SEAL INJ ISOL	Y	N	N	1	N	WEST 685J175
PB2	CV-00288	P-2B CHARGING PUMP DISCHARGE TO SEAL INJECTION	Y	N	N	1	N	WEST 685J175
PB2	CV-00289	P-2B CHARGING PUMP DISCHARGE	Y	N	N	1	N	WEST 685J175
PB2	CV-00290	P-2C CHARGING PUMP DISCHARGE	Y	N	N	1	N	WEST 685J175
PB2	CV-00291	P-2C CHG PUMP DISCH F-39A/B SEAL INJ FLTR INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00292A	CHARGING LINE FT-128 HIGH SIDE ROOT	Y	N	N	1	N	WEST 685J175
PB2	CV-00292B	CHARGING LINE FT-128 LOW SIDE ROOT	Y	N	N	1	N	WEST 685J175
PB2	CV-00293A	P-1A RCP SEAL WATER RETURN FLOW XMTR INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00293B	P-1B RCP SEAL WATER RETURN FLOW XMTR INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00295	HX-2 REGEN HX CHARGING TO LOOP A COLD LEG CHECK	Y	Y	N	1	N	WEST 685J175
PB2	CV-00296	HX-2 REGEN HX TO AUXILIARY SPRAY	Y	N	N	1	N	WEST 685J175
PB2	CV-00296-O	HX-2 REGEN HX TO AUXILIARY SPRAY OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00296-S	HX-2 REGEN HX TO AUXILIARY SPRAY SOLENOID	N	N	N	3	N	NONE
PB2	CV-00297	T-1 PZR AUXILIARY SPRAY LINE CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00298A	P-1A RCP FI-115 SEAL WATER HIGH SIDE ROOT	Y	N	N	1	N	WEST 685J175
PB2	CV-00298B	P-1A RCP FI-115 SEAL WATER LOW SIDE ROOT	Y	N	N	1	N	WEST 685J175
PB2	CV-00299A	F-39B RCP SEAL INJECTION FILTER VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-00299B	F-39B RCP SEAL INJECTION FILTER DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-00299C	F-39A RCP SEAL INJECTION FILTER VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-00299D	F-39A RCP SEAL INJECTION FILTER DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-00300A	P-1A RCP SEAL WATER INJECTION THROTTLE	Y	Y	N	1	Y	WEST 685J175
PB2	CV-00300B	P-1B RCP SEAL WATER INJECTION THROTTLE	Y	Y	N	1	Y	WEST 685J175

FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	O	E	CIV	P
PB2	CV-00301A	P-1B RCP FI-116 SEAL WATER HIGH SIDE ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00301B	P-1B RCP FI-116 SEAL WATER LOW SIDE ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00302A	P-1A RCP SEAL WATER INJECTION VENT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00302B	P-1B RCP SEAL WATER INJECTION VENT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00303A	F-39B RCP SEAL INJECTION FILTER OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00303B	F-39B RCP SEAL INJECTION FILTER INLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00303C	F-39A RCP SEAL INJECTION FILTER OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00303D	F-39A RCP SEAL INJECTION FILTER INLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00304A	P-1A RCP SEAL WATER INJECTION CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00304B	P-1B RCP SEAL WATER INJECTION CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00304C	P-1A RCP SEAL WATER INJECTION CHECK	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00304D	P-1B RCP SEAL WATER INJECTION CHECK	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00305A	P-1A RCP #1 SEAL WATER RETURN VENT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00305B	P-1B RCP #1 SEAL WATER RETURN VENT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00306A	P-1A RCP #1 SEAL DP DPT-173 LOW SIDE ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00306B	P-1B RCP #1 SEAL DP DPT-174 LOW SIDE ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00307A	P-1A RCP #1 SEAL DP DPT-173 HIGH SIDE ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00307B	P-1B RCP #1 SEAL DP DPT-174 HIGH SIDE ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00308A	P-1A RCP LABYRINTH SEAL DPT-131 LOWER ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00308B	P-1B RCP LABYRINTH SEAL DPT-124 LOWER ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00309A	P-1A RCP LABYRINTH SEAL DPT-131 UPPER ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00309B	P-1B RCP LABYRINTH SEAL DPT-124 UPPER ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00311	HX-4 ELHX PT-121 OUTLET ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00312	HX-4 ELHX OUTLET DIVERT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00312-0	HX-4 ELHX OUTLET DIVERT OPERATOR	Y	N	N	1	N	N WEST 685J175
PB2	CV-00312-S	HX-4 ELHX OUTLET DIVERT SOLENOID	N	N	N	3	N	N NONE
PB2	CV-00313	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00313-M	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION MOTOR	Y	Y	N	1	N	N WEST 685J175
PB2	CV-00313-0	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION OPER	Y	Y	N	1	N	N WEST 685J175
PB2	CV-00313A	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00313A-0	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION OPER	Y	Y	N	1	N	N WEST 685J175
PB2	CV-00313A-S	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION SOL	Y	Y	Y	1	N	N WEST 685J175
PB2	CV-00313B	P-1A/B RCP #1 SEAL WATER RETURN	Y	N	N	1	N	N WEST 685J175
PB2	CV-00314	EXCESS LTDN #1 SEAL WATER RET LINE RELIEF TO T-2	Y	N	N	1	N	N WEST 685J175
PB2	CV-00315A	F-2 RCP SEAL WATER RETURN FILTER INLET	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00315B	F-2 RCP SEAL WATER RETURN FILTER OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00315C	F-2 RCP SEAL WATER RETURN FILTER BYPASS	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00316A	F-2 RCP SEAL WTR RETURN FILTER PI-118 INLET ROOT	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00316B	F-2 RCP SEAL WTR RETURN FLTR PI-119 OUTLET ROOT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00317A	P-1A RCP #1 SEAL WATER RETURN BYPASS CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00317B	P-1B RCP #1 SEAL WATER RETURN BYPASS CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00318A	P-1A RCP #1 SEAL WATER RETURN FT-175/177 VENT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00318B	P-1B RCP #1 SEAL WATER RETURN FT-176/178 VENT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00319A	F-2 RCP SEAL WATER RETURN FILTER DRAIN	Y	N	N	1	N	N WEST 685J175
PB2	CV-00319B	F-2 RCP SEAL WATER RETURN FILTER VENT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00320A	P-1A RCP SEAL WATER INJECTION	Y	N	N	1	N	N WEST 685J175
PB2	CV-00320B	P-1B RCP SEAL WATER INJECTION	Y	N	N	1	N	N WEST 685J175
PB2	CV-00320C	RC LOOP B COLD LEG AUXILIARY CHARGING LINE ISOL	Y	N	N	1	N	N WEST 685J175
PB2	CV-00321	HX-5 SEAL WATER HX OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00323A	RC LOOP B COLD LEG AUX CHARGING LINE ISOLATION	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00323B	CV-142 CHARGING LINE FLOW CONTROL BYPASS	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00327A	T-5 CHEMICAL MIXING TANK INLET	N	N	N	3	N	N WEST 685J175



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UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	CIV	P
PB2	CV-00327B	T-5 CHEMICAL MIXING TANK OUTLET	N	N	N	3	N	N WEST 685J175
PB2	CV-00350	P-4A/B BA XFR PUMP P-2A-C CHG PUMP SUCTION	Y	N	N	1	N	N WEST 685J175
PB2	CV-00350-M	P-4A/B BA XFR PUMP P-2A-C CHG PUMP SUCTION MOTOR	Y	N	N	1	N	N WEST 685J175
PB2	CV-00350-O	P-4A/B BA XFR PUMP P-2A-C CHG PUMP SUCTION OPER	Y	N	N	1	N	N WEST 685J175
PB2	CV-00351	P-4A/B BA XFR PUMP P-2A-C CHG PUMP SUCTION CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00352	RMW TO CHARGING PUMP CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00353	RMW TO CHARGING PUMP SUCTION	Y	N	N	1	N	N WEST 685J175
PB2	CV-00354	Z-1 BA BLENDER INLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00355	Z-1 BA BLENDER P-2A-C CHG PUMP SUCTION CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00356	P-2A-C CHARGING PUMP SUCTION FROM BA ISOLATION	Y	N	N	1	N	N WEST 685J175
PB2	CV-00357	P-2A-C CHARGING PUMP RWST SUCTION CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00358	P-2A-C CHARGING PUMP RWST SUCTION	Y	N	N	1	N	N WEST 685J175
PB2	CV-00359A	T-5 CHEMICAL MIXING TANK RMW INLET	N	N	N	1	N	N WEST 685J175
PB2	CV-00359B	T-5 CHEMICAL MIXING TANK VENT	N	N	N	1	N	N WEST 685J175
PB2	CV-00360	RMW FT-111 INLET ISOLATION	N	N	N	1	N	N WEST 685J175
PB2	CV-00361	T-4 VCT DRAIN	Y	N	N	1	N	N WEST 685J175
PB2	CV-00361A	T-4 VCT OUTLET	N	N	N	1	N	N WEST 684J961
PB2	CV-00362A	P-1A RCP #1 SEAL WATER RETURN FT-175/177 BYPASS	Y	N	N	1	N	N WEST 685J175
PB2	CV-00362B	P-1B RCP #1 SEAL WATER RETURN FT-176/178 BYPASS	Y	N	N	1	N	N WEST 685J175
PB2	CV-00363	Z-1 BA BLENDER RMW INLET	N	N	N	1	N	N WEST 685J175
PB2	CV-00364	Z-1 BA BLENDER RMW INLET CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00365	Z-1 BA BLENDER TO PLANT SERVICES	Y	N	N	1	N	N WEST 685J175
PB2	CV-00366	Z-1 BA BLENDER TO PLANT SERVICES CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00367	Z-1 BA BLENDER SAMPLE	Y	N	N	1	N	N WEST 685J175
PB2	CV-00368	Z-1 BA BLENDER OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00369	HX-3A/B NON-REGEN HX INLET TEST CONNECTION	Y	Y	N	1	N	N WEST 685J175
PB2	CV-00369A	RHR TO LETDOWN CROSSCONNECT	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00369B	RHR TO CVCS LETDOWN CHECK	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00370	HX-2 REGEN HX CHARGING INLET CHECK	Y	Y	N	1	N	N WEST 685J175
PB2	CV-00371	LETDOWN LINE CONTAINMENT ISOLATION	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00371-O	LETDOWN LINE CONTAINMENT ISOLATION OPERATOR	Y	Y	N	1	N	N WEST 685J175
PB2	CV-00371-S	LETDOWN LINE CONTAINMENT ISOLATION SOLENOID	Y	Y	N	1	N	N WEST 685J175
PB2	CV-00371A	LETDOWN LINE CONTAINMENT ISOLATION	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00371A-O	LETDOWN LINE CONTAINMENT ISOLATION OPERATOR	Y	Y	N	1	N	N WEST 685J175
PB2	CV-00371A-S	LETDOWN LINE CONTAINMENT ISOLATION SOLENOID	Y	Y	Y	1	N	N WEST 685J175
PB2	CV-00371B	LETDOWN LINE CONTAINMENT MANUAL ISOLATION	Y	N	N	1	N	N WEST 685J175
PB2	CV-00372	RMW TO SPENT RESIN FLUSH	Y	N	N	3	N	N WEST 685J175
PB2	CV-00373	U-1A MIXED BED DEMIN DRAIN	Y	N	N	1	N	N WEST 685J175
PB2	CV-00374	RMW TO U-1A MIXED BED DEMIN OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00376	RMW TO U-1B MIXED BED DEMIN OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00377	U-1B MIXED BED DEMIN DRAIN	Y	N	N	1	N	N WEST 685J175
PB2	CV-00378	U-9 CATION BED DEMIN VENT	Y	N	N	1	N	N WEST 685J175
PB2	CV-00379	U-9 CATION BED DEMIN OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00380	U-9 CATION BED DEMIN DRAIN	Y	N	N	1	N	N WEST 685J175
PB2	CV-00381	RMW TO U-9 CATION BED DEMIN OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00382	U-9 CATION BED DEMIN RESIN FLUSH	Y	N	N	3	N	N WEST 685J175
PB2	CV-00383	RC LOOP B COLD LEG AUX CHARGING LINE CHECK	Y	N	N	1	N	N WEST 685J175
PB2	CV-00384A	CV-142 CHARGING LINE FLOW CONTROL INLET ISOL	Y	N	N	1	N	N WEST 685J175
PB2	CV-00384B	CV-142 CHARGING LINE FLOW CONTROL OUTLET ISOL	Y	Y	N	1	Y	N WEST 685J175
PB2	CV-00385A	P-1A RCP #1 SEAL WTR RET FLOW FT-175/177 OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00385B	P-1B RCP #1 SEAL WTR RET FLOW FT-176/178 OUTLET	Y	N	N	1	N	N WEST 685J175
PB2	CV-00386	P-1A/B RCP #1 SEAL WATER BYPASS CONTROL	Y	N	N	1	N	N WEST 685J175



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UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
*****	*****	*****	A	R	Q	E	CIV	*****
PB2	CV-00386-0	P-1A/B RCP #1 SEAL WATER BYPASS CONTROL OPERATOR	Y	N	N	1	N	WEST 685J175
PB2	CV-00386-S	P-1A/B RCP #1 SEAL WATER BYPASS CONTROL SOLENOID	N	N	N	3	N	NONE
PB2	CV-00388A	P-1A RCP #1 SEAL BYPASS ISOLATION	Y	N	N	1	N	WEST 685J175
PB2	CV-00388B	P-1B RCP #1 SEAL BYPASS ISOLATION	Y	N	N	1	N	WEST 685J175
PB2	CV-00389A	F-1 RC FILTER VENT	Y	N	N	1	N	WEST 685J175
PB2	CV-00389B	F-1 RC FILTER DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-00390A	RMW TO PURIFICATION SYSTEM FIRST INLET ISOL	N	N	N	3	N	WEST 685J175
PB2	CV-00390B	RMW TO PURIFICATION SYSTEM SECOND INLET ISOL	N	N	N	3	N	WEST 685J175
PB2	CV-00391	U-2A/B DEBORATING DEMIN RMW INLET CHECK	Y	N	N	1	N	WEST 685J175
PB2	CV-00392	HX-2 REGEN HX SHELL SIDE OUT TO LETDOWN ORIFICES	Y	N	N	1	N	WEST 685J175
PB2	CV-00393	HX-2 REGEN HX CHARGING LINE INLET	Y	N	N	1	N	WEST 685J175
PB2	CV-00394	HX-5 SEAL WATER HX BYPASS	Y	N	N	1	N	WEST 685J175
PB2	CV-00395	U-2A DEBORATING DEMIN DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-00396	U-2B DEBORATING DEMIN DRAIN	Y	N	N	1	N	WEST 685J175
PB2	CV-00399	P-2C CHARGING PUMP SUCTION	Y	N	N	1	N	WEST 685J175
PB2	CV-01296	AUXILIARY CHARGING LINE ISOLATION	Y	Y	N	1	Y	WEST 685J175
PB2	CV-01296-0	AUXILIARY CHARGING LINE ISOLATION OPERATOR	Y	Y	N	1	N	WEST 655J175
PB2	CV-01296-S	AUXILIARY CHARGING LINE ISOLATION SOLENOID	Y	Y	Y	1	N	WEST 685J175
PB2	CV-01298	HX-2 REGEN HX OUT CHG ISOL TO RC LOOP A COLD LEG	Y	N	N	1	N	WEST 685J175
PB2	CV-01298-M	HX-2 REGEN HX OUT CHG ISOL/LOOP A COLD LEG MOTOR	Y	N	N	1	N	WEST 685J175
PB2	CV-01298-0	HX-2 REGEN HX OUT CHG ISOL/LOOP A COLD LEG OPER	Y	N	N	1	N	WEST 685J175
PB2	CV-01299	HX-4 ELHX INLET FROM RC LOOP A COLD LEG	Y	N	N	1	N	WEST 685J175
PB2	CV-01299-M	HX-4 ELHX INLET FROM RC LOOP A COLD LEG MOTOR	Y	N	N	1	N	WEST 685J175
PB2	CV-01299-0	HX-4 ELHX INLET FROM RC LOOP A COLD LEG OPER	Y	N	N	1	N	WEST 685J175
PB2	CV-01400	CV-371A LETDOWN LINE COMT ISOL DNSTRM TEST CONN	Y	Y	N	1	N	WEST 685J175
PB2	CV-01401	HX-2 REGEN HX OUT TO LETDOWN ORIFICES TEST CONN	Y	N	N	1	N	WEST 685J175
PB2	CV-01402	HX-2 REGEN HX CHARGING INLET CHECK TEST CONN	Y	Y	N	1	N	WEST 685J175
PB2	CV-01403	HX-2 REGEN HX CHARGING INLET CHECK TEST CONN	Y	N	N	1	N	WEST 685J175
PB2	CV-01404A	P-1A RCP SEAL WATER INJECTION TEST CONNECTION	Y	Y	N	1	N	WEST 685J175
PB2	CV-01404B	P-1B RCP SEAL WATER INJECTION TEST CONNECTION	Y	Y	N	1	N	WEST 685J175
PB2	CV-01405A	P-1A RCP SEAL WATER INJECTION TEST CONNECTION	Y	N	N	1	N	WEST 685J175
PB2	CV-01405B	P-1B RCP SEAL WATER INJECTION TEST CONNECTION	Y	N	N	1	N	WEST 685J175
PB2	CV-01406	P-1A/B RCP #1 SEAL WATER RETURN TEST CONNECTION	Y	Y	N	1	N	WEST 685J175
PB2	CV-01426	RC LOOP B COLD LEG AUX CHARGING LINE TEST CONN	Y	N	N	1	N	WEST 685J175
PB2	CV-01426A	RC LOOP B COLD LEG AUX CHARGING LINE DRAIN	Y	Y	N	1	Y	WEST 685J175
PB2	D-3C	P-2C CHARGING PUMP DC DRIVE	Y	N	N	1	N	NONE
PB2	F-001	REACTOR COOLANT FILTER	Y	N	N	1	N	WEST 685J175
PB2	F-002	REACTOR COOLANT PUMP SEAL WATER RETURN FILTER	Y	N	N	1	N	WEST 685J175
PB2	F-003	BORIC ACID FILTER	Y	N	N	1	N	WEST 685J175
PB2	F-039A	RCP SEAL WATER INJECTION FILTER	Y	N	N		N	WEST 685J175
PB2	F-039B	RCP SEAL WATER INJECTION FILTER	Y	N	N	1	N	WEST 685J175
PB2	FC-00106A	T-6C BA TANK NITROGEN LEVEL FLOW CONTROLLER	Y	Y	N	1	N	NONE
PB2	FC-00106B	T-6C BA TANK NITROGEN LEVEL FLOW CONTROLLER	Y	Y	N	1	N	NONE
PB2	FC-00134	LETDOWN LINE HIGH FLOW ALARM BISTABLE	N	N	N	3	N	NONE
PB2	FC-00134-X	LP LETDOWN LINE HIGH FLOW ALARM RELAY	N	N	N	3	N	NONE
PB2	FC-00172A	T-6C BA TANK NITROGEN LEVEL FLOW CONTROLLER	Y	Y	N	1	N	NONE
PB2	FC-00172B	T-6C BA TANK NITROGEN LEVEL FLOW CONTROLLER	Y	Y	N	1	N	NONE
PB2	FC-00175	P-1A RCP CTLD LEAKAGE FLOW LOW RANGE BISTABLE	N	N	N	3	N	NONE
PB2	FC-00175-X	P-1A RCP #1 SEAL FLOW LOW ALARM RELAY	N	N	N	3	N	NONE
PB2	FC-00176	P-1B RCP CTLD LEAKAGE FLOW LOW RANGE BISTABLE	N	N	N	3	N	NONE
PB2	FC-00176-X	P-1B RCP #1 SEAL FLOW LOW ALARM RELAY	N	N	N	3	N	NONE
PB2	FC-00177	P-1A RCP CTLD LEAKAGE FLOW HIGH RANGE BISTABLE	N	N	N	3	N	NONE

FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID	
			A	R	Q	E	CIV	P	
*****	*****	*****	*	*	*	*	***	*****	
PB2	FC-00177-X	P-1A RCP #1 SEAL FLOW HIGH ALARM RELAY	N	N	N	3	N	N	NONE
PB2	FC-00178	P-1B RCP CTRLD LEAKAGE FLOW HIGH RANGE BISTABLE	N	N	N	3	N	N	NONE
PB2	FC-00178-X	P-1B RCP #1 SEAL FLOW HIGH ALARM RELAY	N	N	N	3	N	N	NONE
PB2	FC-00190A	T-6C BA TANK NITROGEN LEVEL FLOW CONTROLLER	Y	Y	N	1	N	N	NONE
PB2	FC-00190B	T-6C BA TANK NITROGEN LEVEL FLOW CONTROLLER	Y	Y	N	1	N	N	NONE
PB2	FE-00115	P-1A RCP SEAL WATER INJECTION FLOW ELEMENT	Y	N	N	1	N	N	WEST 685J175
PB2	FE-00116	P-1B RCP SEAL WATER INJECTION FLOW ELEMENT	Y	N	N	1	N	N	WEST 685J175
PB2	FE-00128	CHARGING LINE FLOW ELEMENT	Y	N	N	1	N	N	WEST 685J175
PB2	FE-00134	HX-3A/B NON-REGEN HX OUTLET FLOW ELEMENT	Y	N	N	1	N	N	WEST 685J175
PB2	FE-00159	HX-6B BS GAS STRIPPER OUTLET FLOW ELEMENT	N	N	N	3	N	N	WEST 541F450
PB2	FE-00201	HX-6B BS GS STEAM SUPPLY TO HOTWELL FLOW ELEMENT	N	N	N	3	N	N	NONE
PB2	FI-00115	P-1A RCP SEAL WATER INJECTION FLOW INDICATOR	N	N	N	1	N	N	WEST 685J175
PB2	FI-00116	P-1B RCP SEAL WATER INJECTION FLOW INDICATOR	N	N	N	1	N	N	WEST 685J175
PB2	FI-00128	HX-2 REGEN HX INLET FLOW INDICATOR	N	N	N	1	N	N	WEST 685J175
PB2	FI-00128A	CHARGING LINE FLOW INDICATOR	N	N	N	1	N	N	NONE
PB2	FI-00134	LETDOWN LINE FLOW INDICATOR	N	N	N	1	N	N	NONE
PB2	FI-00143	U-9 CATION BED DEMIN INLET FLOW INDICATOR	Y	N	N	1	N	N	WEST 685J175
PB2	FI-00144	REACTOR MAKEUP WATER INLET FLOW INDICATOR	N	N	N	3	N	N	WEST 685J175
PB2	FI-00164	U-3A BA EVAP COND DEMIN INLET FLOW INDICATOR	N	N	N	3	N	N	WEST 541F094
PB2	FI-00201A	GAS STRIPPER STEAM SUPPLY TO HOTWELL FLOW IND	N	N	N	3	N	N	NONE
PB2	FI-00201B	GAS STRIPPER STEAM SUPPLY TO HOTWELL FLOW IND	N	N	N	3	N	N	NONE
PB2	FIC-00110	BORIC ACID FLOW INDICATOR CONTROLLER	N	N	N	3	N	N	NONE
PB2	FIC-00111	DILUTION FLOW INDICATOR CONTROLLER	N	N	N	3	N	N	NONE
PB2	FIC-00179	P-1A RCP #1 SEAL BYPASS FLOW LOW ALARM INDICATOR	Y	N	N	1	N	N	WEST 685J175
PB2	FIC-00180	P-1B RCP #1 SEAL BYPASS FLOW LOW ALARM INDICATOR	Y	N	N	1	N	N	WEST 685J175
PB2	FIC-00201	GAS STRIPPER STEAM SUPPLY TO HOTWELL FIC	N	N	N	3	N	N	NONE
PB2	FM-00110	BORIC ACID FLOW CONVERTER	N	N	N	3	N	N	NONE
PB2	FM-00111	DILUTION FLOW BISTABLE	N	N	N	3	N	N	NONE
PB2	FM-00128	CHARGING LINE FLOW I/I CONVERTER	N	N	N	3	N	N	NONE
PB2	FM-00134	LETDOWN LINE FLOW I/I CONVERTER	N	N	N	3	N	N	NONE
PB2	FQ-00110	BORIC ACID FLOW INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	N	NONE
PB2	FQ-00111	DILUTION FLOW INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	N	NONE
PB2	FQ-00128	CHARGING LINE FLOW INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	N	NONE
PB2	FQ-00134	LETDOWN LINE FLOW INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	N	NONE
PB2	FR-00110	BORIC ACID FLOW RECORDER	N	N	N	3	N	N	NONE
PB2	FR-00111	DILUTION FLOW RECORDER	N	N	N	3	N	N	NONE
PB2	FR-00175	P-1A RCP CONTROLLED LEAKAGE FLOW RECORDER	N	N	N	3	N	N	NONE
PB2	FR-00177	P-1A RCP CONTROLLED LEAKAGE FLOW RECORDER	N	N	N	3	N	N	NONE
PB2	FRC-00159	HX-6B BS GAS STRIPPER FLOW RECORDER CONTROLLER	N	N	N	3	N	N	NONE
PB2	FT-00110	BORIC ACID INLET FLOW TRANSMITTER	Y	N	N	1	N	N	WEST 685J175
PB2	FT-00111	REACTOR MAKEUP WATER INLET FLOW TRANSMITTER	N	N	N	3	N	N	WEST 685J175
PB2	FT-00128	CHARGING LINE FLOW TRANSMITTER	N	N	N	3	N	N	WEST 685J175
PB2	FT-00134	HX-3A/B NON-REGEN HX OUTLET FLOW TRANSMITTER	N	N	N	3	N	N	WEST 685J175
PB2	FT-00159	HX-6B BS GAS STRIPPER OUTLET FLOW TRANSMITTER	N	N	N	3	N	N	WEST 541F450
PB2	FT-00175	P-1A RCP #1 SEAL WATER RETURN LOW RANGE FT	Y	N	N	1	N	N	WEST 685J175
PB2	FT-00176	P-1B RCP #1 SEAL WATER RETURN LOW RANGE FT	Y	N	N	1	N	N	WEST 685J175
PB2	FT-00177	P-1A RCP #1 SEAL WATER RETURN HIGH RANGE FT	Y	N	N	1	N	N	WEST 685J175
PB2	FT-00178	P-1B RCP #1 SEAL WATER RETURN HIGH RANGE FT	Y	N	N	1	N	N	WEST 685J175
PB2	FT-00185	RESERVED FOR MAN	*						
PB2	FT-00201	GAS STRIPPER STEAM SUPPLY TO HOTWELL FLOW XMTR	N	N	N	3	N	N	NONE
PB2	HC-00105	T-6A BA TANK TEMPERATURE HAND CONTROLLER	N	N	N	3	N	N	NONE
PB2	HC-00110	BORIC ACID FLOW HAND CONTROLLER	N	N	N	3	N	N	NONE

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POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID	
*****	*****	*****	A	R	Q	E	CIV	P	
*****	*****	*****	* c * *	* * * *	* * * *	* * * *	* * * *	*****	
PB2	HC-00111	DILUTION FLOW HAND CONTROLLER	N	N	N	3	N	N	NONE
PB2	HC-00130	HX-3A/B NON-REGEN HX OUTLET TEMP A/M STATION	N	N	N	3	N	N	NONE
PB2	HC-00133	RHR LETDOWN HAND CONTROLLER	N	N	N	3	N	N	NONE
PB2	HC-00135	LETDOWN LINE PRESSURE A/M STATION	N	N	N	3	N	N	NONE
PB2	HC-00142	CHARGING LINE FLOW HAND CONTROLLER	N	N	N	3	N	N	NONE
PB2	HX-002	REGENERATIVE HEAT EXCHANGER	Y	N	N	1	N	N	WEST 685J175
PB2	HX-003A	NON-REGENERATIVE HEAT EXCHANGER	Y	N	N	1	N	N	WEST 685J175
PB2	HX-003B	NON-REGENERATIVE HEAT EXCHANGER	Y	N	N	1	N	N	WEST 685J175
PB2	HX-004	EXCESS LETDOWN HEAT EXCHANGER	Y	N	N	2	N	N	WEST 685J175
PB2	HX-005	SEAL WATER HEAT EXCHANGER	Y	N	N	1	N	N	WEST 685J175
PB2	I/P-00110A	BA TO Z-1 BA BLENDER INLET FLOW CTL I/P XDUCER	N	N	N	3	N	N	NONE
PB2	I/P-00111	RMW TO Z-1 BA BLENDER FLOW CONTROL I/P XDUCER	N	N	N	3	N	N	NONE
PB2	I/P-00112A	T-4 VCT LEVEL CONTROL DIVERT I/P TRANSDUCER	N	N	N	3	N	N	NONE
PB2	I/P-00130	HX-3A/B NON-REGEN HX OUTLET TCV I/P TRANSDUCER	N	N	N	3	N	N	NONE
PB2	I/P-00133	RHR TO LETDOWN ISOLATION I/P TRANSDUCER	N	N	N	3	N	N	NONE
PB2	I/P-00135	LP LETDOWN LINE BACKPRESSURE CONTROL I/P XDUCER	N	N	N	3	N	N	NONE
PB2	I/P-00142	CV-142 CHARGING LINE FLOW CONTROL I/P TRANSDUCER	N	N	N	3	N	N	NONE
PB2	ICP-04.014	BORIC ACID CONTROL SYSTEM	L	N	N	3	N	N	NONE
PB2	ICP-04.015	BORIC ACID TANK LEVEL XMTRS	Y	Y	Y	1	N	N	NONE
PB2	ICP-04.016	BORIC ACID TANK LEVEL CALIBRATION	Y	L	N	1	N	N	NONE
PB2	ICP-04.017	VOLUME CONTROL TANK LEVEL XMTRS	Y	N	N	3	N	N	NONE
PB2	ICP-04.018	VOLUME CONTROL TANK RACK	L	N	N	3	N	N	NONE
PB2	ICP-04.021	CHARGING FLOW	N	N	N	3	N	N	NONE
PB2	ICP-05.016	CHEMICAL AND VOLUME CONTROL SYSTEM	L	N	N	3	N	N	NONE
PB2	ICP-06.021	CHEMICAL AND VOLUME CONTROL SYSTEM	N	N	N	3	N	N	NONE
PB2	LC-00106A-X	T-6C BA TANK HIGH LEVEL ALARM RELAY	N	N	N	3	N	N	NONE
PB2	LC-00106A/B	T-6C BA TANK LEVEL BISTABLE	Y	Y	Y	3	N	N	NONE
PB2	LC-00106B-X	T-6C BA TANK LOW LEVEL ALARM RELAY	N	N	N	3	N	N	NONE
PB2	LC-00112A-X	T-4 VCT LEVEL RELAY	N	N	N	3	N	N	NONE
PB2	LC-00112A/B	T-4 VCT LEVEL BISTABLE	N	N	N	3	N	N	NONE
PB2	LC-00112B-X	T-4 VCT LEVEL RELAY	N	N	N	3	N	N	NONE
PB2	LC-00112C	T-4 VCT LEVEL AUTO MAKEUP BISTABLE	N	N	N	3	N	N	NONE
PB2	LC-00112C-X	T-4 VCT LEVEL RELAY	N	N	N	3	N	N	NONE
PB2	LC-00141A	T-4 VCT LEVEL CONTROLLER	N	N	N	3	N	N	NONE
PB2	LC-00141B	T-4 VCT LEVEL BISTABLE	N	N	N	3	N	N	NONE
PB2	LC-00141B-X	T-4 VCT LEVEL RELAY	N	N	N	3	N	N	NONE
PB2	LC-00141C-X	T-4 VCT HIGH LEVEL ALARM RELAY	N	N	N	3	N	N	NONE
PB2	LC-00141C/D	T-4 VCT LEVEL BISTABLE	N	N	N	3	N	N	NONE
PB2	LC-00141D-X	T-4 VCT LOW LEVEL ALARM RELAY	N	N	N	3	N	N	NONE
PB2	LC-00172A-X	T-6C BA TANK HIGH LEVEL ALARM RELAY	N	N	N	3	N	N	NONE
PB2	LC-00172A/B	T-6C BA TANK LEVEL BISTABLE	Y	Y	Y	3	N	N	NONE
PB2	LC-00172B-X	T-6C BA TANK LOW LEVEL ALARM RELAY	N	N	N	3	N	N	NONE
PB2	LC-00190A-X	T-6C BA TANK HIGH LEVEL ALARM RELAY	N	N	N	3	N	N	NONE
PB2	LC-00190A/B	T-6C BA TANK LEVEL BISTABLE	Y	Y	Y	3	N	N	NONE
PB2	LC-00190B-X	T-6C BA TANK LOW LEVEL ALARM RELAY	N	N	N	3	N	N	NONE
PB2	LC-00208A	HX-6B BS GS HOTWELL HIGH ALARM LEVEL SWITCH	N	N	N	3	N	N	NONE
PB2	LC-00208B	HX-6B BS GS HOTWELL LOW ALARM LEVEL SWITCH	N	N	N	3	N	N	NONE
PB2	LI-00106	T-6C BA TANK LEVEL INDICATOR	Y	N	N	3	N	N	WEST 685J175
PB2	LI-00141A	T-4 VCT LEVEL INDICATOR	N	N	N	3	N	N	NONE
PB2	LI-00172	T-6C BA TANK LEVEL INDICATOR	Y	N	N	3	N	N	NONE
PB2	LI-00190	T-6C BA TANK LEVEL INDICATOR	Y	N	N	3	N	N	NONE
PB2	LIC-00208	HX-6B BS GS HOTWELL LEVEL INDICATOR CONTROLLER	N	N	N	3	N	N	NONE



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			A	R	Q	E	CIV	
****	*****	*****	*	*	*	*	***	*****
P82	LM-00106	T-6C BA TANK LEVEL I/I CONVERTER	Y	N	N	3	N	WEST 685J175
P82	LM-00172	T-6C BA TANK LEVEL I/I CONVERTER	Y	N	N	3	N	NONE
P82	LM-00190	T-6C BA TANK LEVEL I/I CONVERTER	Y	N	N	3	N	NONE
P82	LQ-00106	T-6C BA TANK LEVEL INSTRUMENT LOOP POWER SUPPLY	Y	Y	N	1	N	NONE
P82	LQ-00112	T-4 VCT LEVEL INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	WEST 685J175
P82	LQ-00141	T-4 VCT LEVEL INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	NONE
P82	LQ-00172	T-6C BA TANK LEVEL INSTRUMENT LOOP POWER SUPPLY	Y	Y	N	1	N	NONE
P82	LQ-00190	T-6C BA TANK LEVEL INSTRUMENT LOOP POWER SUPPLY	Y	Y	N	1	N	NONE
P82	LR-00112	T-4 VCT LEVEL RECORDER	N	N	N	3	N	NONE
P82	LT-00106	T-6C BA TANK LEVEL TRANSMITTER	Y	Y	Y	1	N	WEST 685J175
P82	LT-00112	T-4 VCT LEVEL TRANSMITTER	Y	N	N	3	N	WEST 685J175
P82	LT-00141	T-4 VCT LEVEL TRANSMITTER	Y	N	N	3	N	WEST 685J175
P82	LT-00172	T-6C BA TANK LEVEL TRANSMITTER	Y	Y	Y	1	N	WEST 685J175
P82	LT-00190	T-6C BA TANK LEVEL TRANSMITTER	Y	Y	Y	1	N	WEST 685J175
P82	LT-00208	HX-68 BS GAS STRIPPER HOTWELL LEVEL TRANSMITTER	N	N	N	3	N	NONE
P82	N-04-1	P-2A CHARGING PUMP LOCAL CONTROL STATION	*					NONE
P82	N-04-2	CV-200A LETDOWN ORIFICE ISOL LOCAL CTL STATION	*					NONE
P82	N-04-3	P-2B CHARGING PUMP LOCAL CONTROL STATION	*					NONE
P82	N-04-4	CV-200B LETDOWN ORIFICE ISOL LOCAL CTL STATION	*					NONE
P82	N-04-6	CV-200C LETDOWN ORIFICE ISOL LOCAL CTL STATION	*					NONE
P82	N-11	CHARGING PUMP/PZR HEATER LOCAL CONTROL STATION	Y	Y	N	1	N	NONE
P82	N-11-7	P-2C CHG PUMP LOCAL CONTROL STATION	*					NONE
P82	O-IT-0018	2P-4A/B BORIC ACID TRANSFER PUMPS AND VALVES	Y	Y	N	1	N	NONE
P82	O-IT-0018D	2P-4A/B BORIC ACID TRANSFER PUMPS AND VALVES	Y	Y	N	1	N	NONE
P82	O-IT-0022	2P-2A-C CHARGING PUMPS AND VALVES TEST	Y	Y	N	1	N	NONE
P82	O-IT-0022D	2P-2A-C CHARGING PUMPS AND VALVES TEST	Y	Y	N	1	N	NONE
P82	O-IT-0255	U2 CV AND COMPONENT COOLING SYSTEM VALVES (CSD)	Y	Y	N	1	L	NONE
P82	O-IT-0325	2CV-371 AND 2CV-371A CVCS VALVES (CSD)	Y	Y	N	1	L	NONE
P82	O-IT-0555	U2 LIQUID CVCS LEAKAGE REDUCTION/PM PROGRAM TEST	Y	Y	N	1	L	NONE
P82	O-IT-1075	UNIT 2 RWST PIPING 40-MONTH FUNCTIONAL TEST	Y	Y	N	1	N	NONE
P82	O-IT-1135.1	UNIT 2 CVCS SYSTEM NON-REGEN HX PORTION HYDRO	Y	Y	N	1	N	NONE
P82	O-IT-1135.2	UNIT 2 CVCS SYSTEM RC FILTER PORTION HYDRO	Y	Y	N	1	N	NONE
P82	O-IT-1135.3	UNIT 2 CVCS VCT/ASSOCIATION PIPING PORTION HYDRO	Y	Y	N	1	N	NONE
P82	O-IT-1135.4	UNIT 2 CVCS CHARGING PUMP SUCTION PORTION HYDRO	Y	Y	N	1	N	NONE
P82	O-IT-1135.5	UNIT 2 CVCS SEAL WTR RET FLTR/EXCH PORTION HYDRO	Y	Y	N	1	N	NONE
P82	O-IT-1135.6	UNIT 2 CVCS NORMAL CHG/SEAL INJ PORTION HYDRO	Y	Y	N	1	N	NONE
P82	O-IT-1135.7	UNIT 2 CVCS SEAL RETURN/SEAL BYPASS HYDRO	Y	Y	N	1	N	NONE
P82	O-IT-1135.8	UNIT 2 CVCS SYSTEM AUX CHARGING HYDRO	Y	Y	N	1	N	NONE
P82	O-IT-1135.9	UNIT 2 CVCS HIGH PRESSURE LETDOWN PORTION HYDRO	Y	Y	N	1	N	NONE
P82	O-PC-023.2	WEEKLY PERIODIC CHK:CHG PUMP VARI-DRIVE EXERCISE	Y	Y	N	1	N	NONE
P82	O-PC-026.4A	VERIFY NON-TECH SPEC BA FLOW PATH - TUESDAY	Y	Y	N	1	N	NONE
P82	O-PC-026.4B	(RETIRED) VERIFY NON-TECH SPEC BA FLOW PATH-THURS	Y	Y	N	1	N	NONE
P82	O-PC-026.4C	(RETIRED) VERIFY NON-TECH SPEC BA FLOW PATH-SAT	Y	Y	N	1	N	NONE
P82	F-002A	CHARGING PUMP	Y	Y	N	1	N	WEST 685J175 SH1
P82	P-002A-M	CHARGING PUMP MOTOR	N	N	N	3	N	WEST 685J175
P82	P-002A-SR	CHARGING PUMP SPEED REDUCER	N	N	N	3	N	NONE
P82	P-002A-Z	CHARGING PUMP VARI-DRIVE	N	N	N	3	N	WEST 685J175
P82	P-002B	CHARGING PUMP	Y	Y	N	1	N	WEST 685J175
P82	P-002B-M	CHARGING PUMP MOTOR	N	N	N	3	N	WEST 685J175
P82	P-002B-SR	CHARGING PUMP SPEED REDUCER	N	N	N	3	N	NONE
P82	P-002B-Z	CHARGING PUMP VARI-DRIVE	N	N	N	3	N	WEST 685J175
P82	P-002C	CHARGING PUMP	Y	Y	N	1	N	WEST 685J175 SH1



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*****	*****	*****	A	R	G	E	CIV	P
			*	*	*	*	***	*
PB2	P-002C-M	CHARGING PUMP MOTOR	N	N	N	3	N	WEST 685J175
PB2	P-002C-M SPARE	SPARE CHARGING PUMP DC MOTOR	N	N	N	3	N	NONE
PB2	P-002C-SR	CHARGING PUMP SPEED REDUCER	N	N	N	3	N	NONE
PB2	P-004A	BORIC ACID TRANSFER PUMP	Y	N	N	1	N	WEST 685J175 SH1
PB2	P-004A-M	BORIC ACID TRANSFER PUMP MOTOR	Y	N	N	1	N	WEST 685J175 SH1
PB2	P-004B	BORIC ACID TRANSFER PUMP	Y	N	N	1	N	WEST 685J175 SH1
PB2	P-004B-M	BORIC ACID TRANSFER PUMP MOTOR	Y	N	N	1	N	WEST 685J175 SH1
PB2	P/P-00111	RNW TO Z-1 BA BLENDER FLOW CONTROL POSITIONER	Y	N	N	1	N	NONE
PB2	P/P-00112A	T-4 VCT LEVEL CONTROL DIVERT POSITIONER	Y	N	N	1	N	NONE
PB2	P/P-00130	HX-3A/B NON-REGEN HX OUTLET TCV POSITIONER	Y	N	N	1	N	NONE
PB2	P/P-00133	RHR TO LETDOWN ISOLATION POSITIONER	Y	N	N	1	N	NONE
PB2	P/P-00135	LP LETDOWN LINE BACKPRESSURE CONTROL POSITIONER	Y	N	N	1	N	NONE
PB2	P/P-00142	CV-142 CHARGING LINE FLOW CONTROL POSITIONER	Y	N	N	1	N	NONE
PB2	PC-00124	P-1B RCP LABYRINTH SEAL DP LOW ALARM BISTABLE	N	N	N	3	N	NONE
PB2	PC-00124-X	P-1B RCP LABYRINTH SEAL D/P LO ALARM RELAY	N	N	N	3	N	NONE
PB2	PC-00131	P-1A RCP LABYRINTH SEAL DP LOW ALARM BISTABLE	N	N	N	3	N	NONE
PB2	PC-00131-X	P-1A RCP LABYRINTH SEAL D/P LOW ALARM RELAY	N	N	N	3	N	NONE
PB2	PC-00135A	LETDOWN LINE PRESSURE CONTROLLER	N	N	N	3	N	NONE
PB2	PC-00135B	LETDOWN LINE HIGH PRESSURE ALARM BISTABLE	N	N	N	3	N	NONE
PB2	PC-00135B-X	LP LETDOWN LINE HIGH PRESSURE ALARM RELAY	N	N	N	3	N	NONE
PB2	PC-00139A-X	VCT LOW PRESSURE ALARM RELAY	N	N	N	3	N	NONE
PB2	PC-00139A/B	T-4 VCT HIGH/LOW PRESSURE ALARM BISTABLE	N	N	N	3	N	NONE
PB2	PC-00139B-X	VCT LOW PRESSURE ALARM RELAY	N	N	N	3	N	NONE
PB2	PC-00173	P-1A RCP SEAL DIFF PRESSURE LOW ALARM BISTABLE	N	N	N	3	N	NONE
PB2	PC-00173-X	P-1A RCP SEAL DIFF PRESSURE LOW ALARM RELAY	N	N	N	3	N	NONE
PB2	PC-00174	P-1B RCP SEAL DIFF PRESSURE LOW ALARM BISTABLE	N	N	N	3	N	NONE
PB2	PC-00174-X	P-1B RCP SEAL DIFF PRESSURE LOW ALARM RELAY	N	N	N	3	N	NONE
PB2	PI-00108	F-3 BA FILTER INLET PRESSURE INDICATOR	N	N	N	3	N	WEST 685J175
PB2	PI-00109	F-3 BA FILTER OUTLET PRESSURE INDICATOR	N	N	N	3	N	WEST 685J175
PB2	PI-00118	F-2 RCP SEAL WATER RETURN FLTR INLET PRESS IND	N	N	N	3	N	WEST 685J175
PB2	PI-00119	F-2 RCP SEAL WATER RETURN FLTR OUTLET PRESS IND	N	N	N	3	N	WEST 685J175
PB2	PI-00121	HX-4 ELHX OUTLET PRESSURE INDICATOR	N	N	N	3	N	NONE
PB2	PI-00124	P-1B RCP LABYRINTH SEAL DIFFERENTIAL PRESS IND	N	N	N	3	N	NONE
PB2	PI-00124A	P-1B RCP LABYRINTH SEAL DIFFERENTIAL PRESS IND	N	N	N	3	N	NONE
PB2	PI-00131	P-1A RCP LABYRINTH SEAL DIFFERENTIAL PRESS IND	N	N	N	3	N	NONE
PB2	PI-00131A	P-1A RCP LABYRINTH SEAL DIFFERENTIAL PRESS IND	N	N	N	3	N	NONE
PB2	PI-00135	LETDOWN LINE PRESSURE INDICATOR	N	N	N	3	N	NONE
PB2	PI-00136	U-2A/B DEBOR DEMIN INLET PRESSURE INDICATOR	N	N	N	3	N	WEST 685J175
PB2	PI-00137	F-1 RC FILTER INLET PRESSURE INDICATOR	N	N	N	3	N	WEST 685J175
PB2	PI-00138	F-1 RC FILTER OUTLET PRESSURE INDICATOR	N	N	N	3	N	WEST 685J175
PB2	PI-00139	T-4 VCT PRESSURE INDICATOR	N	N	N	3	N	NONE
PB2	PI-00146	F-8 ION EXCHANGER FILTER INLET PRESSURE IND	N	N	N	3	N	WEST 541F450
PB2	PI-00147	F-8 ION EXCHANGER FILTER OUTLET PRESSURE IND	N	N	N	3	N	WEST 541F450
PB2	PI-00148	F-5A/B BA CONC FILTER INLET PRESSURE INDICATOR	N	N	N	3	N	WEST 541F450
PB2	PI-00149	F-5A/B BA CONC FILTER INLET PRESSURE INDICATOR	N	N	N	3	N	WEST 541F450
PB2	PI-00152	REACTOR MAKEUP WATER INLET PRESSURE INDICATOR	N	N	N	3	N	WEST 685J175
PB2	PI-00158	T-4 VCT GAS MAKEUP PRESSURE INDICATOR	N	N	N	3	N	WEST 685J175
PB2	PI-00162	F-18B CONDENSATE FILTER OUTLET PRESSURE IND	N	N	N	3	N	WEST 541F094
PB2	PI-00163	U-3A-C BA EVAP COND DEMIN INLET PRESSURE IND	N	N	N	3	N	WEST 541F094
PB2	PI-00165	F-18B CONDENSATE FILTER INLET PRESSURE INDICATOR	N	N	N	3	N	WEST 541F094
PB2	PI-00168	P-5A GS FEED PUMP DISCHARGE PRESSURE INDICATOR	N	N	N	3	N	WEST 684J961
PB2	PI-00170	REACTOR MAKEUP WATER INLET PRESSURE INDICATOR	N	N	N	3	N	WEST 685J175

FILE: EQUIPMENT MASTER

SORT: PRIMARY KEY

POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID
****	*****	*****	A	R	Q	E	CIV	P
PB2	PI-00173	P-1A RCP SEAL DIFFERENTIAL PRESSURE INDICATOR	N	N	N	3	N	N NONE
PB2	PI-00174	P-1B RCP SEAL DIFFERENTIAL PRESSURE INDICATOR	N	N	N	3	N	N NONE
PB2	PI-00184	RESERVED FOR MAN	*					
PB2	PI-00203	GAS STRIPPER NITROGEN INLET PRESSURE INDICATOR	N	N	N	3	N	N NONE
PB2	PI-00204	GAS STRIPPER EXHAUST TO VENT HEADER PRESSURE IND	N	N	N	3	N	N NONE
PB2	PI-00209	HX-6B BS GS STEAM SUPPLY TO HOTWELL PRESSURE IND	N	N	N	3	N	N NONE
PB2	PI-00210	HX-6B BS GS P-9B BOTTOMS PUMP OUTLET PRESS IND	N	N	N	3	N	N NONE
PB2	PIC-00183A	F-39A RCP SEAL INJECTION FILTER DPI CONTROLLER	N	N	N	3	N	N WEST 685J175
PB2	PIC-00183B	F-39B RCP SEAL INJECTION FILTER DPI CONTROLLER	N	N	N	3	N	N WEST 685J175
PB2	PIPING CH 0151R-01	VCT TO CHARGING PUMP/DRAIN/RV DISCHARGE	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 0151R-02	SEAL WTR RET FROM RCP-HX-VCT/EXCESS LETDOWN LINE	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 0151R-08	NON-REGEN HX DWNSTM OF CV/DEMIM DRMS/VENTS/VCT	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 0151R-10	SPEW RESIN FROM DEMIM TO SRST AND RESIN FILL	Y	N	N	3	N	N WEST 685J175
PB2	PIPING CH 0151R-11	RELIEF TO DEMIM/LINE DWNSTRM NON-REGEN HX TO VCT	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 0151R-12	DRAINS/VENTS/ETC FROM VCT	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 0151R-13	NITROGEN/HYDROGEN SUPPLY TO VCT DWNSTRM 113&114	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 0151R-22	BA XFR PUMP DIS/BA BLENDER TO CHG PMP SUCT HDR	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 0151R-25	CHEM MIXING TANK TO CHG PUMP SUCTION HDR	Y	N	N	3	N	N WEST 685J175
PB2	PIPING CH 0601R-01	LTDN LINE FROM 1CV-200A-C AND CV-133 TO CV-135	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 2501R-01	SEAL WATER THROUGH REACTOR COOLANT PUMP	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 2501R-02	EXCESS LETDOWN LOOP A TO REGEN HX	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 2501R-03	AUX SPRAY TO PRESSURIZER FROM REGEN HX	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 2501R-04	CHARGING LINE TO COLD LEG A FROM REGEN HX	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 2501R-05	EXCESS LETDOWN THRU EXCESS LETDOWN HX TO 285	Y	N	N	2	N	N WEST 685J175
PB2	PIPING CH 2501R-06	LTDN LINE LOOP B THRU REGEN HX/ORIFICE TO 200A-C	Y	N	N	1	N	N WEST 685J175
PB2	PIPING CH 2502R-01	CHARGING PUMP DISCH TO VALVES CV-286/289/290	Y	N	N	1	N	N WEST 685J175 SH2
PB2	PIPING CH 2502R-02	CHG PUMP DISCH CROSSOVER TO SEAL INJ SYSTEM	Y	N	N	1	N	N WEST 685J175 SH2
PB2	PIPING CH 2502R-03	CHARGING FROM VALVES CV-286/289/290 TO REGEN HX	Y	N	N	1	N	N WEST 685J175 SH2
PB2	PIPING CH 2502R-04	CHG TO COLD LEG LOOP B CHARGING LINE	Y	N	N	1	N	N WEST 685J175 SH2
PB2	POS-00110A	BA TO Z-1 BA BLENDER INLET FLOW CONTROL POS SW	N	N	N	3	N	N NONE
PB2	POS-00110B	Z-1 BA BLENDER OUTLET FLOW CONTROL POSITION SW	N	N	N	3	N	N NONE
PB2	POS-00110C	T-4 VCT BORIC ACID INLET FLOW CONTROL POS SW	N	N	N	3	N	N NONE
PB2	POS-00111	RMW TO Z-1 BA BLENDER FLOW CONTROL POSITION SW	N	N	N	3	N	N NONE
PB2	POS-00112A	T-4 VCT LEVEL CONTROL DIVERT POSITION SWITCH	N	N	N	3	N	N NONE
PB2	POS-00130	HX-3A/B NON-REGEN HX OUTLET TCV POSITION SWITCH	N	N	N	3	N	N NONE
PB2	POS-00135	LP LETDOWN LINE BACKPRESSURE CONTROL POSITION SW	N	N	N	3	N	N NONE
PB2	POS-00142	CV-142 CHARGING LINE FLOW CONTROL POSITION SW	N	N	N	3	N	N NONE
PB2	POS-00145	HX-3A/B NON-REGEN HX OUTLET TCV POSITION SWITCH	N	N	N	3	N	N NONE
PB2	POS-00200A	LETDOWN ORIFICE A OUTLET CONTROL POSITION SWITCH	N	N	N	3	N	N NONE
PB2	POS-00200B	LETDOWN ORIFICE B OUTLET CONTROL POSITION SWITCH	N	N	N	3	N	N NONE
PB2	POS-00200C	LETDOWN ORIFICE C OUTLET CONTROL POSITION SWITCH	N	N	N	3	N	N NONE
PB2	POS-00244	U-9/U-1A/B CATION/MB DEMIM OUTLET DIVERT POS SW	N	N	N	3	N	N NONE
PB2	POS-00296	HX-2 REGEN HX TO AUXILIARY SPRAY POSITION SWITCH	N	N	N	3	N	N NONE
PB2	POS-00312	HX-4 ELHX OUTLET DIVERT POSITION SWITCH	N	N	N	3	N	N NONE
PB2	POS-00313A	P-1A/B RCP #1 SEAL WATER RETURN ISOL POSITION SW	Y	N	Y	1	N	N NONE
PB2	POS-00371	LETDOWN LINE CONTAINMENT ISOLATION POSITION SW	Y	N	N	1	N	N NONE
PB2	POS-00371A	LETDOWN LINE CONTAINMENT ISOLATION POSITION SW	Y	N	Y	1	N	N NONE
PB2	POS-00386	P-1A/B RCP #1 SEAL WATER BYPASS CONTROL POS SW	N	N	N	3	N	N NONE
PB2	POS-01296	AUXILIARY CHARGING LINE ISOLATION POSITION SW	Y	N	Y	1	N	N NONE
PB2	PQ-00121	HX-4 ELHX PRESSURE INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	N NONE
PB2	PQ-00124	P-1B RCP INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	N NONE
PB2	PQ-00131	P-1A RCP LABYR SEAL D/P INST LOOP POWER SUPPLY	N	N	N	3	N	N NONE

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POINT BEACH QLIST FOR SYSTEM CVCS

UNIT	EQUIPMENT NUMBER	EQUIP NAME	Q	S	E	S	F	P & ID	
****	*****	*****	A	R	G	E	CIV	P	
			*	*	*	*	***	*	
PB2	PQ-00135	LETDOWN LINE INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	N	NONE
PB2	PQ-00139	T-4 VCT PRESSURE INSTRUMENT LOOP POWER SUPPLY	N	N	N	3	N	N	NONE
PB2	PS CH 2501R-4-2R66	CV PIPING SUPPORT	*						NONE
PB2	PS CH 2502R-3-2S260	CV PIPING SUPPORT	Y	Y	N	1	N	N	NONE
PB2	PS CH 601R-1-G1	CV PIPING SUPPORT	*						NONE
PB2	PS RC 2501R-1-2R30	CV PIPING SUPPORT	*						NONE
PB2	PT-00121	HX-4 ELHX OUTLET PRESSURE TRANSMITTER	N	N	N	3	N	N	WEST 685J175
PB2	PT-00124	P-1B RCP LABYRINTH SEAL DIFFERENTIAL PRESS XMTR	N	N	N	3	N	N	WEST 685J175
PB2	PT-00131	P-1A RCP LABYRINTH SEAL DIFFERENTIAL PRESS XMTR	N	N	N	3	N	N	WEST 685J175
PB2	PT-00135	HX-3A/B NON REGEN HX OUTLET PRESSURE TRANSMITTER	N	N	N	3	N	N	WEST 685J175
PB2	PT-00139	T-4 VCT VENT PRESSURE TRANSMITTER	N	N	N	3	N	N	WEST 685J175
PB2	PT-00173	P-1A RCP #1 SEAL DIFFERENTIAL PRESSURE XMTR	N	N	N	3	N	N	WEST 685J175
PB2	PT-00174	P-1B RCP #1 SEAL DIFFERENTIAL PRESSURE XMTR	N	N	N	3	N	N	WEST 685J175
PB2	PT-00203	GAS STRIPPER NITROGEN INLET PRESSURE TRANSMITTER	N	N	N	3	N	N	NONE
PB2	PT-00204	GAS STRIPPER EXHAUST TO VENT HEADER PRESS XMTR	N	N	N	3	N	N	NONE
PB2	RK-24	CHARGING PUMP INSTRUMENT RACK	N	N	N	3	N	N	NONE
PB2	RO-00198A	RESERVED FOR JBB	*						
PB2	RO-00198B	RESERVED FOR JBB	*						
PB2	RO-00199A	RESERVED FOR JBB	*						
PB2	RO-00199B	RESERVED FOR JBB	*						
PB2	RO-00199C	RESERVED FOR JBB	*						
PB2	T-004	VOLUME CONTROL TANK	Y	N	N	1	N	N	WEST 685J175
PB2	T-005	CHEMICAL MIXING TANK	N	N	N	3	N	N	WEST 685J175
PB2	T-058A	P-2A CHARGING PUMP SUCTION PRESSURE STABILIZER	Y	N	N	1	N	N	WEST 685J175
PB2	T-058B	P-2B CHARGING PUMP SUCTION PRESSURE STABILIZER	Y	N	N	1	N	N	WEST 685J175
PB2	T-058C	P-2C CHARGING PUMP SUCTION PRESSURE STABILIZER	Y	N	N	1	N	N	WEST 685J175
PB2	T-070A	P-2A CHARGING PUMP DISCHARGE ACCUMULATOR	Y	N	N	1	N	N	WEST 685J175
PB2	T-070B	P-2B CHARGING PUMP DISCHARGE ACCUMULATOR	Y	N	N	1	N	N	WEST 685J175
PB2	T-070C	P-2C CHARGING PUMP DISCHARGE ACCUMULATOR	Y	N	N	1	N	N	WEST 685J175
PB2	TB-020	FT-177 P-1A RCP HIGH RANGE FT TERM BOX PWR COND	N	N	N	3	N	N	NONE
PB2	TB-044	FT-178 P-1B HIGH RANGE SEAL FLOW POWER SUPPLY	N	N	N	3	N	N	NONE
PB2	TB-050	CHARGING PUMP TERMINAL BOX (FORMERLY N-04)	Y	N	N	1	N	N	NONE
PB2	TB-132	PI-124/131 PRESSURE INDICATORS TERMINAL BOX	N	N	N	3	N	N	NONE
PB2	TC-00125	P-1B RCP SEAL WATER INLET HIGH TEMP BISTABLE	N	N	N	3	N	N	NONE
PB2	TC-00125-X	P-1B RCP SEAL WATER INLET HIGH TEMP RELAY	N	N	N	3	N	N	NONE
PB2	TC-00127	HX-2 REGEN HX HIGH TEMPERATURE ALARM BISTABLE	N	N	N	3	N	N	NONE
PB2	TC-00127-X	REGEN HX HIGH TEMP ALARM RELAY	N	N	N	3	N	N	NONE
PB2	TC-00129	CY-209 LETDOWN RELIEF HIGH TEMPERATURE BISTABLE	N	N	N	3	N	N	NONE
PB2	TC-00129-X	LP LETDOWN RELIEF VALVE HIGH TEMP RELAY	N	N	N	3	N	N	NONE
PB2	TC-00130	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE CTRL	N	N	N	3	N	N	NONE
PB2	TC-00132	P-1A RCP SEAL WATER INLET HIGH TEMP BISTABLE	N	N	N	3	N	N	NONE
PB2	TC-00132-X	P-1A RCP SEAL WATER INLET HIGH TEMP RELAY	N	N	N	3	N	N	NONE
PB2	TC-00140	T-4 VCT HIGH TEMPERATURE ALARM BISTABLE	N	N	N	3	N	N	NONE
PB2	TC-00140-X	VCT HIGH TEMP ALARM RELAY	N	N	N	3	N	N	NONE
PB2	TC-00145	HX-3A/B NON-REGEN HX LTDN OUT HIGH TEMP ALARM BS	N	N	N	3	N	N	WEST 685J175
PB2	TC-00145-X	NON-REGEN HX LETDOWN OUTLET HI TEMP ALARM RELAY	N	N	N	3	N	N	NONE
PB2	TC-00181	P-1A RCP SEAL WATER DISCH HI TEMP ALARM BISTABLE	N	N	N	3	Y	N	NONE
PB2	TC-00181-X	P-1A RCP SEAL WATER DISCH HIGH TEMP ALARM RELAY	N	N	N	3	N	N	NONE
PB2	TC-00182	P-1B RCP SEAL WATER DISCH HI TEMP ALARM BISTABLE	N	N	N	3	N	N	NONE
PB2	TC-00182-X	P-1B RCP SEAL WATER DISCH HIGH TEMP ALARM RELAY	N	N	N	3	N	N	NONE
PB2	TC-00205	GAS STRIPPER HOTWELL TEMPERATURE SWITCH	N	N	N	3	N	N	NONE
PB2	YE-00107	T-6C BA TANK TEMPERATURE RTD	N	N	N	3	N	N	WEST 685J175

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*****	*****	*****	A	R	Q	E	CIV	P
*****	*****	*****	*	*	*	*	***	*
PB2	TE-00122	HX-4 ELHX OUTLET TEMPERATURE RTD	N	N	N	3	N	N WEST 685J175
PB2	TE-00125	P-1B RCP SEAL WATER INJECTION TEMPERATURE RTD	N	N	N	3	N	N WEST 685J175
PB2	TE-00126	HX-2 REGEN HX CHARGING OUTLET TEMPERATURE RTD	N	N	N	3	N	N WEST 685J175
PB2	TE-00127	HX-2 REGEN HX LETDOWN OUTLET TEMPERATURE RTD	N	N	N	3	N	N WEST 685J175
PB2	TE-00129	CV-209 LETDOWN RELIEF TEMPERATURE RTD	N	N	N	3	N	N WEST 685J175
PB2	TE-00130	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE RTD	N	N	N	3	N	N NONE
PB2	TE-00132	P-1A RCP SEAL WATER INJECTION TEMPERATURE RTD	N	N	N	3	N	N WEST 685J175
PB2	TE-00140	T-4 VCT OUTLET TEMPERATURE RTD	N	N	N	3	N	N WEST 685J175
PB2	TE-00145	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE RTD	N	N	N	3	N	N WEST 685J175
PB2	TE-00181	P-1A RCP #1 SEAL WATER RETURN TEMPERATURE RTD	N	N	N	3	N	N WEST 685J175
PB2	TE-00182	P-1B RCP #1 SEAL WATER RETURN TEMPERATURE RTD	N	N	N	3	N	N NONE
PB2	TI-00105	T-6C BA TANK TEMPERATURE INDICATOR	N	N	N	3	N	N WEST 685J175
PB2	TI-00117	P-1A/B RCP #1 SEAL WATER RETURN TEMPERATURE IND	N	N	N	3	N	N WEST 685J175
PB2	TI-00120	HX-5 SEAL WATER HX OUTLET TEMPERATURE INDICATOR	N	N	N	3	N	N WEST 685J175
PB2	TI-00122	HX-4 ELHX OUTLET TEMPERATURE INDICATOR	N	N	N	3	N	N NONE
PB2	TI-00125	P-1B RCP SEAL WATER SUCTION TEMPERATURE IND	N	N	N	3	N	N NONE
PB2	TI-00126	HX-2 REGEN HX TEMPERATURE IND	N	N	N	3	N	N NONE
PB2	TI-00127	HX-2 REGEN HX TEMPERATURE INDICATOR	N	N	N	3	N	N NONE
PB2	TI-00130	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE IND	N	N	N	3	N	N NONE
PB2	TI-00132	P-1A RCP SEAL WATER INLET TEMPERATURE INDICATOR	N	N	N	3	N	N NONE
PB2	TI-00140	T-4 VCT OUTLET TEMPERATURE INDICATOR	N	N	N	3	N	N NONE
PB2	TI-00181	P-1A RCP SEAL WATER DISCHARGE TEMPERATURE IND	N	N	N	3	N	N NONE
PB2	TI-00182	P-1B RCP SEAL WATER DISCHARGE TEMPERATURE IND	N	N	N	3	N	N NONE
PB2	TI-00205	GAS STRIPPER HOTWELL TEMPERATURE INDICATOR	N	N	N	3	N	N NONE
PB2	TI-00206	HX-6B BS GS PREHTR FEED TEMPERATURE INDICATOR	N	N	N	3	N	N NONE
PB2	TIC-00107	T-6C BA TANK HEATER TEMPERATURE INDICATOR CTRL	N	N	N	3	N	N NONE
PB2	TIC-00207	HX-6B BS GS COND FEED TEMPERATURE IND CTRL	N	N	N	3	N	N NONE
PB2	TM-00122	HX-4 ELHX OUTLET TEMPERATURE R/I CONVERTER	N	N	N	3	N	N NONE
PB2	TM-00125	P-1B RCP SEAL WATER INLET TEMPERATURE R/I CONV	N	N	N	3	N	N NONE
PB2	TM-00126	HX-2 REGEN HX TEMPERATURE R/I CONVERTER	N	N	N	3	N	N NONE
PB2	TM-00127	HX-2 REGEN HX TEMPERATURE R/I CONVERTER	N	N	N	3	N	N NONE
PB2	TM-00129	CV-209 LETDOWN RELIEF TEMPERATURE R/I CONVERTER	N	N	N	3	N	N NONE
PB2	TM-00130	HX-3A/B NON-REGEN HX OUTLET TEMPERATURE R/I CONV	N	N	N	3	N	N NONE
PB2	TM-00132	P-1A RCP SEAL WATER INLET TEMPERATURE R/I CONV	N	N	N	3	N	N NONE
PB2	TM-00140	T-4 VCT TEMPERATURE R/I CONVERTER	N	N	N	3	N	N NONE
PB2	TM-00145	HX-3A/B NON-REGEN HX LETDN OUTLET TEMP R/I CONV	N	N	N	3	N	N NONE
PB2	TM-00181	P-1A RCP SEAL WATER DISCHARGE TEMP R/I CONV	N	N	N	3	N	N NONE
PB2	TM-00182	P-1B RCP SEAL WATER DISCHARGE TEMP R/I CONV	N	N	N	3	N	N NONE
PB2	TT-00205	GAS STRIPPER HOTWELL TEMPERATURE TRANSMITTER	N	N	N	3	N	N NONE
PB2	TT-00206	HX-6B BS GS PREHTR FEED TEMPERATURE TRANSMITTER	N	N	N	3	N	N NONE
PB2	TT-00207	HX-6B BS GS COND FEED TEMPERATURE TRANSMITTER	N	N	N	3	N	N NONE
PB2	TX-00122	HX-4 EXCESS LETDOWN HX OUTLET TEMP TESTPOINT	N	N	N	3	N	N NONE
PB2	TX-00125	RC PUMP B SEAL WATER INLET TEMPERATURE TESTPOINT	N	N	N	3	N	N NONE
PB2	TX-00126	REGEN HEAT EXCHANGER TEMPERATURE TESTPOINT	N	N	N	3	N	N NONE
PB2	TX-00129	LP LETDOWN RELIEF VALVE TEMPERATURE TESTPOINT	N	N	N	3	N	N NONE
PB2	TX-00130	HX-3A/B NON-REGEN HX OUTLET TEMP TESTPOINT	N	N	N	3	N	N NONE
PB2	TX-00132	RC PUMP A SEAL WATER INLET TEMPERATURE TESTPOINT	N	N	N	3	N	N NONE
PB2	TX-00181	P-1A RCP SEAL WATER DISCHARGE TEMP TESTPOINT	N	N	N	3	N	N NONE
PB2	TX-00182	P-1B RCP SEAL WATER DISCHARGE TEMP TESTPOINT	N	N	N	3	N	N NONE
PB2	U-01A	MIXED BED DEMINERALIZER	Y	N	N	2	N	N WEST 685J175
PB2	U-01B	MIXED BED DEMINERALIZER	Y	N	N	2	N	N WEST 685J175
PB2	U-02A	DEBORATING DEMINERALIZER	Y	N	N	2	N	N WEST 685J175



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****	*****	*****	A	R	C	E	CIV	P	
PB2	U-026	DEBORATING DEMINERALIZER	Y	N	N	2	N	N	WEST 685J175
PB2	U-09	CATION BED DEMINERALIZER	Y	N	N	2	N	N	WEST 685J175
PB2	YC-00110	BORIC ACID FLOW COUNTER DEVIATION ALARM	N	N	N	3	N	N	NONE
PB2	YC-00111	DILUTION FLOW COUNTER DEVIATION ALARM	N	N	N	3	N	N	NONE
PB2	YIC-00110	BORIC ACID FLOW TOTALIZER	N	N	N	3	N	N	NONE
PB2	YIC-00111	DILUTION FLOW TOTALIZER	N	N	N	3	N	N	NONE
PB2	YM-00110	BORIC ACID FLOW TOTALIZER	N	N	N	3	N	N	NONE
PB2	YM-00111	DILUTION FLOW TOTALIZER	N	N	N	3	N	N	NONE
PB2	Z-001	BORIC ACID BLENDER	N	N	N	3	N	N	WEST 685J175
PB2	1/CV-00110A	BA TO Z-1 BA BLENDER INLET FCV CONTROL SWITCH	*						NONE
PB2	1/CV-00110E	Z-1 BA BLENDER OUTLET FCV CONTROL SWITCH	*						NONE
PB2	1/CV-00110C	T-4 VCT BORIC ACID INLET FCV CONTROL SWITCH	*						NONE
PB2	1/CV-00111	RMW TO Z-1 BA BLENDER FCV CONTROL SWITCH	*						NONE
PB2	1/CV-00112A	T-4 VCT LEVEL CONTROL DIVERT CONTROL SWITCH	*						NONE
PB2	1/CV-00112B	P-2A-C CHARGING PUMP REFUELING WATER SUCT CYL SW	*						NONE
PB2	1/CV-00112C	T-4 VCT OUTLET CONTROL SWITCH	*						NONE
PB2	1/CV-00145	HX-3A/B MON-REGEN HX OUTLET TCV CONTROL SWITCH	*						NONE
PB2	1/CV-00200A	LETDOWN ORIFICE A OUTLET CONTROL SWITCH	*						NONE
PB2	1/CV-00200B	LETDOWN ORIFICE B OUTLET CONTROL SWITCH	*						NONE
PB2	1/CV-00200C	LETDOWN ORIFICE C OUTLET CONTROL SWITCH	*						NONE
PB2	1/CV-00244	U-9/U-1A/B CATION/MB DEHIN OUTLET DIVERT CTL SW	*						NONE
PB2	1/CV-00270A	P-1A RCP #1 SEAL WATER RETURN CONTROL SWITCH	*						NONE
PB2	1/CV-00270B	P-1B RCP #1 SEAL WATER RETURN CONTROL SWITCH	*						NONE
PB2	1/CV-00285	HX-4 ELHX OUTLET CONTROL SWITCH	*						NONE
PB2	1/CV-00296	HX-2 REGEN HX TO AUXILIARY SPRAY CONTROL SWITCH	*						NONE
PB2	1/CV-00312	HX-4 ELHX OUTLET DIVERT CONTROL SWITCH	*						NONE
PB2	1/CV-00313	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION CTL SW	*						NONE
PB2	1/CV-00313A	P-1A/B RCP #1 SEAL WATER RETURN ISOLATION CTL SW	*						NONE
PB2	1/CV-00350	P-4A/B BA XFR PUMP P-2A-C CHG PUMP SUCT CTL SW	*						NONE
PB2	1/CV-00371	LETDOWN LINE CONTAINMENT ISOLATION CONTROL SW	*						NONE
PB2	1/CV-00371A	LETDOWN LINE CONTAINMENT ISOLATION CONTROL SW	*						NONE
PB2	1/CV-00386	P-1A/B RCP #1 SEAL WATER BYPASS CONTROL SWITCH	*						NONE
PB2	1/CV-01296	AUXILIARY CHARGING LINE ISOLATION CONTROL SWITCH	*						NONE
PB2	1/CV-01298	HX-2 REGEN OUT CHG ISOL/LOOP A COLD LEG CTL SW	*						NONE
PB2	1/CV-01299	HX-4 ELHX INLET FROM RC LOOP A COLD LEG CTL SW	*						NONE
PB2	1/P-002A	P-2A CHARGING PUMP CONTROL SWITCH	*						NONE
PB2	1/P-002B	P-2B CHARGING PUMP CONTROL SWITCH	*						NONE
PB2	1/P-002C	P-2C CHARGING PUMP CONTROL SWITCH	*						NONE
PB2	1/P-004A	P-4A BORIC ACID REGEN PUMP CONTROL SWITCH	J	N	N	3	N	N	NONE
PB2	1/P-004B	P-4B BORIC ACID REGEN PUMP CONTROL SWITCH	*						NONE
PB2	6Z/BSX-6TD	BA FLOW DEVIATION ALARM TIME DELAY RELAY	N	N	N	3	N	N	NONE
PB2	6Z/BSX-7TD	RMW FLOW DEVIATION ALARM TIME DELAY RELAY	N	N	N	3	N	N	NONE

ITEMS SELECTED = 001758