

50-293

- E. Jordan 21 copies
- IE FILES 1 copy
- NRR(Zoltan Rosztoczy) 1 copy
- CENTRAL FILES 1 copy
- PDR 1 copy
- LPDR 2 copies
- NSIC 1 copy
- ~~TIC 1 copy~~

THIS DOCUMENT CONTAINS
POOR QUALITY PAGES

Q

8011170 408

BOSTON EDISON COMPANY
GENERAL OFFICES 800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

A. V. MORISI
MANAGER
NUCLEAR OPERATIONS SUPPORT DEPARTMENT

1980 NOV 14 PM 12 05

US NRC
REGULATION SERVICES
BRANCH

October 29, 1980

BECo. Ltr. #80-272

Mr. Boyce H. Grier, Director
Office of Inspection and Enforcement
Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA. 19406

License No. DPR-35
Docket No. 50-293

- Reference (1) BECo. Ltr. #80-50 to NRC: March 12, 1980
(2) BECo. Ltr. #80-75 to NRC: April 18, 1980
(3) BECo. Ltr. #80-77 to NRC: April 22, 1980
(4) BECo. Ltr. #80-151 to NRC: July 22, 1980
- Attachment 1) Pilgrim Unit #1 - IE Bulletin #79-01B-
Final Response

Dear Sir:

By letter dated January 17, 1980, Boston Edison Co. (BECo.) was required by the NRC to address IE Bulletin #79-01B. References (1), (3) and (4) and their attachments provided the requested 45 day response, and our initial and revised 90 day responses. Reference (2) provided our anticipated schedule for subsequent submittals.

In Attachment 1) to this letter Boston Edison Co. provides its final response to IE Bulletin #79-01B for Pilgrim Station as required by your letter dated September 12, 1980. This letter modified the Operating License of Pilgrim Station to make continued operation contingent upon receipt of a full and complete response to Bulletin 79-01B. Since then, the submittal requirements have been modified.

Supplement 2 to Bulletin 79-01B, issued September 30, 1980, expanded the scope and modified the qualification evaluation acceptance criteria. Most significantly, it required that (a) TMI equipment be included in the submittal; (b) TMI radiation source terms (NUREG 0578) be used instead of NUREG-0588/water borne to determine radiation doses applicable to equipment qualification; and (c) equipment designed to function within a short time into an event be qualified to all environmental conditions for at least 1 hour in excess of the time assumed in the accident analysis. Supplement 3 to Bulletin 79-01B, issued October 24, 1980 modified the submittal requirements of the TMI equipment requiring qualification information

Mr. Boyce H. Grier, Director
October 29, 1980
Page 2

for installed items to be submitted by February 1, 1981 and providing required submittal times for future equipment. Boston Edison has considered Supplement 2 in preparing its response to Bulletin 79-01B. Specifically,

- (a) TMI equipment installed to date has been addressed in this submittal. Some future TMI equipment is still in test as installation has been rescheduled for January 1, 1982. Although these items have been listed, evaluation is deferred pending completion of qualification. For those items scheduled for installation, January 1, 1981, qualification evaluations will be completed and results will be submitted by February 1, 1981. Items scheduled for installation by January 1, 1982, will be evaluated during 1981 and information will be submitted in accordance with Supplement 3 (i.e. with pre-implementation review data or by the implementation date).
- (b) Radiation analyses using the NUREG-0578 source terms required by Supplement 2 have not been performed for Pilgrim Station. Gamma radiation exposure due to the DBE-LOCA were tabulated in Pilgrim's FSAR Section 14. Table 14.0.19 using the assumptions given in TID-14844. These source terms are in general agreement with the requirements of NUREG-0588. For equipment located outside containment, in areas containing post - LOCA recirculation flow, conservatism was introduced by using the integrated contact dose on the surface of a 24 inch Schedule 80 pipe for all evaluations.

In response to NUREG-0578, Boston Edison is re-evaluating LOCA radiation levels outside containment. If the results of this work indicate the need for additional conservatism, evaluations under 79-01B will be conducted to the revised levels.
- (c) With respect to the modification to the required operating times, BECo. considers that it has already incorporated this requirement in its evaluations.

We consider the content of our responses to date reflect our commitment to equipment qualification; and, although our effort to date has been significant, it will not cease with the submittal of this response. Boston Edison recognizes the progressive nature of the qualification effort and will continue to meet reporting requirements of 79-01B until the effort is completed.

Very truly yours,

A. Morisi

Commonwealth of Massachusetts)
County of Suffolk)

Then personally appeared before me A. Victor Morisi, who, being duly sworn, did state that he is Manager, Nuclear Operations Support Department, of Boston Edison Company, the applicant herein, and that he is duly authorized to execute and file the submittal contained herein in the name and on behalf of Boston Edison Company and that the statements in said submittal are true to the best of his knowledge and belief.

My Commission expires: 11/17/86

Harmon R. B. Green

BOSTON EDISON COMPANY

Mr. Boyce H. Grier, Director
October 29, 1980
Page 3

cc: Director
Office of Inspection and Enforcement
Division of Safeguards Inspection
Washington, D. C. 20555

Attachment
to BECo letter 80-272

PILGRIM UNIT #1 - IE BULLETIN 79-01B

FINAL RESPONSE

TABLE OF CONTENTS

SUMMARY AND CONCLUSIONS

BACKGROUND

STATUS

ACTIVITIES TO DATE

OUTSTANDING ITEMS

JUSTIFICATION FOR CONTINUED OPERATION

SCOPE

MASTER LIST

HOSTILE ENVIRONMENTS

ENVIRONMENTAL PROFILE CURVES

EVALUATIONS

QUALIFICATION TEST CURVES

QUALIFICATION SUMMARY REPORTS

- IN CONTAINMENT COMPONENTS

- OUTSIDE CONTAINMENT COMPONENTS

REFERENCES

SUMMARY AND CONCLUSIONS

This document represents Boston Edison's final response to Bulletin 79-01B for Pilgrim Unit #1. As required by the Bulletin, we are providing herein, the final results of qualification evaluations of safety-related electrical equipment exposed to harsh environments. The harsh environments considered are those resulting from LOCA inside containment and HELB outside containment. The included components are those required to help bring the plant to cold shutdown or mitigate the accident. Harsh environments are defined as the pressure, temperature, steam and radiation environments directly resulting from these DBE's and the radiation environment associated with long-term recirculation of fluids outside containment.

Each component was subjected to a systematic review process directed at the NRC mandated criteria (DOR Guidelines and NUREG-0588) ascertaining its qualification. Although the qualification of many items was found to meet the DOR guidelines, some items were found to require additional effort before their qualification could be established. Continued operation of these items has been justified on a generic and individual basis pending completion of their qualification.

Boston Edison has reviewed, as required by 79-01B, Pilgrim Unit 1's equipment against the NRC mandated criteria. Neither the Guidelines nor the NUREG have direct applicability to all Pilgrim's licensing requirements or equipment. As a screen device the Guidelines have considerable

merit. As the design basis to which components must be qualified it is flawed.

Boston Edison believes that Pilgrim's components and systems have been designed, procured, installed, maintained and operated consistent with insuring adequate protection to the health and safety of the public.

BACKGROUND

The NRC issued IE Circular 78-08 dated May 31, 1978 and IE Bulletin 79-01 dated January 17, 1980. Boston Edison, under the direction given by the NRC in its Circular and Bulletin, initiated qualification documentation searches for all safety-related electrical equipment. References (1) thru (6) provided information on work performed under Bulletin 79-01. By letter received January 17, 1980 Boston Edison was required by the NRC to address Bulletin 79-01B. Supplement 1 to 79-01B was issued February 19, 1980 clarifying the requirements of 79-01B. Bulletin 79-01B requested two responses, a 45 day and a 90 day, with information as requested by Enclosure 1 of the Bulletin. Boston Edison provided its response via references (7), (8) and (9).

The NRC, in its September 12, 1980 letter, amended Pilgrim's Station's Operating License to include the following provisions:

"Information which fully and completely responds to the staff's request as specified in I&E Bulletin 79-01B, shall be submitted to the Director, Region I, Office of Inspection and Enforcement, by the Licensee not later than November 1, 1980."

The NRC issued Supplement 2 to 79-01B on September 30, 1980 clarifying the previous submittal and modifying the requirements to incorporate information discussed at regional meetings. The NRC issued Supplement 3 to 79-01B on October 24, 1980 modifying the information provided in Supplement 2.

STATUS

Activities To Date

Boston Edison has invested significant time and money to confirm the qualification of safety-related equipment at Pilgrim Station.

To supplement its own efforts, BECo. has funded the original Pilgrim Station prime contractors, General Electric Company (NSSS Supplier) and Bechtel Power Corporation (Architect Engineer/Constructor) to build a qualification data base. As discussed in Reference (1), this effort was complicated by the elapsed time since Pilgrim's construction. Vendors were required to search their own plus subvendor records of 10 years ago and BECo. was usually required to fund these searches.

In an attempt to expand the data base and enhance the quality of industry submittals, BECo. participated in an EPRI/BWR Owner Group, jointly funding Wyle Laboratories and its subcontractor, NUTECH, to exhaustively search the industry for qualification data and distribute its findings.

BECo. has accumulated significant documentation on the qualification of safety-related equipment installed in Pilgrim and has used this documentation to perform specific evaluations.

These efforts were especially difficult for a plant of Pilgrim's vintage. For example, in addition to those problems previously identified in Reference (1-9), the following additional problems were identified by the BWR Owners Group consultants, Wyle Laboratories and NUTECH:

- 1) Proprietary data - vendors possess data but won't release it or let it be reviewed and summarized. Some will sell info or let NRC view it.

- 2) Vendors have qualified replacement items or newer models. Original equipment is not unqualified but vendor himself never qualified it.
- 3) Vendors shipped records/data to original equipment purchaser and have since lost or retired their own records (Many vendors do not keep records on a permanent basis - 3 years is a common time for record retention).
- 4) Some vendors are uncooperative - eg. Nuclear business is small or they've gotten out of it and they can't be bothered with the trouble and expense required to comply with the nuclear "paper trail."
- 5) Some vendors have disappeared. (Gone out of business or lost their identity during corporate reorganizations).

In spite of these difficulties, Boston Edison and its consultants have been able to retrieve much qualification documentation and determine the qualification status of safety-related components subject to 79-01B. The status of each device has been indicated in the computerized print-outs provided in Section III.

To ensure an independent review of all environmental qualifications evaluations, BECo. has contracted Wyle Laboratories to perform a final independent review and provide summary and evaluation reports to be kept on file at BECo. as part of its qualification records. These reports are listed under supporting documents for the in containment items and can be identified by their Wyle RPT No. 17446 -

Outstanding Items

Radiation -

The NRC, in response to Question 9 of Supplement 1 to 79-01B, advised that it considered NUREG-0578 and NUPEG-0588 to be consistent in their requirements for radiation evaluations. Based on this guidance, BECo used the TID-14844 source terms and distribution methodology presented in Section 14 of Pilgrim's FSAR. This approach is considered to be consistent with the requirements of NUREG-0588, Section 1.4 (1) and Appendix D, for DBA-LOCA. Supplement 2, Question 18 requested new evaluations assuming all source term inventories remain in the coolant. Boston Edison has initiated radiation analyses but has not yet incorporated this requirement into its equipment qualification evaluations. If revised radiation dose values result from the analyses, equipment qualification evaluations will be conducted to the revised values. Our conclusions are not expected to change as a result of this work because of the conservatism already included in our evaluations. For example, we have used the contact dose for a 24 inch pipe containing post-loca fluid for radiation evaluations outside containment.

Generic Evaluations -

Boston Edison has developed, for equipment located outside containment, technical papers addressing the ability of electrical equipment to function in spite of aging, radiation and short-term thermal transients. These papers, discussed in detail in the following section, have been used in the performance of generic qualification evaluations. In some cases, Boston Edison determined

that before a final equipment qualification evaluation could be made, verification of the applicability of these generic evaluations was required. For each item, this determination was reflected in the computer print-outs for evaluations. The component was classified as being justified for continued operation (JCO) or as meeting DOR guidelines except for aging (DOR-A). The outstanding verification effort (eg-Radiation Analysis (RA) and/or Aging Analysis (AA)) was listed under the Qualification Plan section along with its forecast completion date.

Justification for Continued Operation

As the attached computerized summary reports reflects, the qualification of many items has been found to meet the DOR guidelines. For those items requiring additional effort, discrete tasks and target completion dates have been established and reflected in the qualification plan for each item. In the interim, generic qualification evaluations support continued operation for many items. Boston Edison has prepared technical papers addressing the ability of electrical equipment to function in spite of aging, radiation, and short-term thermal transients.

P&CS memo 80-257 entitled "Simplified Methodology for Determining Significance of In-Service Aging and its Effects on Equipment Performance," presents a method to determine if thermal aging is a significant failure mechanism for safety related electrical equipment. Primarily, it uses Arrhenius methodology to infer increased life factors from manufacturer's information on expected life at some temperature, when, the maximum continuous operating temperature is lower.

P&CS Memo 80-186 dated August 18, 1980 entitled "Effects of PBOC Short-term Elevative Ambient Temperatures on the Operating Temperatures of Various Electrical Equipment," justified the use of device specific heat transfer analyses to demonstrate the ability of electrical components to function under the subject thermal effects. Analytical and empirical data were used to demonstrate that a component's thermal capacitance precluded it from experiencing the compartment maximum ambient temperatures. Based on this, specific heat transfer analyses will be performed on those components whose test environment temperature profile does not envelope the compartment ambient temperature profile.

P&CS Memo 80-238 entitled "Radiation Effects on Organic Compounds used in Safety Related Electrical Equipment Located Outside a BWR Primary Containment," establishes the conclusion that for outside containment equipment most of the organic materials, with a few exceptions will perform adequately at integrated doses of 1.0 Megarads gamma and lower. Radiation effects on material properties are identified and discussed. Empirical results from a variety of tests and studies supporting the conclusion are provided as attachments.

From the above discussion it is apparent that although verification of the applicability of the generic evaluations continues to be an outstanding item for some components, each component has been carefully reviewed and it is our judgement that the components will ultimately be found to be qualified. With respect to the outstanding radiation analyses dictated by Supplement 2, it has been demonstrated both in the preceding section and in the Hostile Environment section, that the evaluation conclusions should not be affected by this effort.

Throughout the reporting process Boston Edison has made a firm commitment to the equipment qualification effort and has maintained an approach consistent with other priority activities and available resources. To ensure optimal utilization of resources the following priority levels for equipment in hostile areas were established.

- I - Equipment Inside Containmentment
- II - Equipment Outside Containmentment located in compartments where pipe breaks occur.
- III - Equipment Outside Containmentment located in adjacent compartments which experience reduced effects of these pipe breaks.

This prioritization insured that components were received in an order that recognizing the potential for failure due to environmental hazards.

Open items were relegated to components of lesser importance whenever possible. Edison's review process was supplied to each component within the scope of Bulletin 79-01B.

SCOPE

Please reference Appendix G - Station Nuclear Safety Operational Analysis of Pilgrim Unit #1 FSAR. Appendix G identifies various events (accidents) and the safety systems essential to achieving the required safety actions.

For the purposes of this submittal Event 39 - Pipe Breaks Inside Primary Containment and Event 41 - Pipe Breaks Outside Primary Containment were considered as exposing the required equipment to the most hostile environments. The BWR operating States during which this event was considered are States C, D, E and F.

PIPE BREAK INSIDE CONTAINMENT

In Appendix G for Event 39 - Pipe Break Inside Primary Containment up to and including a DBE-LOCA the following systems are identified as being required:

<u>Appendix G Description</u>	<u>79-01B System Name</u>
- Main Steam Line Isolation Valves	CNTM ISOLATION
- Control Rod Drive System	*
- RHRS (LPCI mode)	RHR
- RHRS (Torus cooling mode)	RHR
- HPCIS	HPCI
- Automatic Depressurization System	ADS
- Core Spray System	CORE SPRAY
- Reactor Protection System	RPS
- Primary Containment and Reactor Vessel Isolation	CNTM ISOLATION
- Standby AC Power System	*
- DC Power System	*
- Standby Gas Treatment System	STANDBY GAS TREATMENT
- Incident Detection Circuitry	(Items included in associated systems)
- Reactor Building Closed Cooling Water	RBCCW
- Salt Service Water	*
- Main Control Room Environmental Control	*
- Reactor Building Isolation Control	1.) SEC. CNTM ISOLATION 2.) STANDBY GAS TREATMENT
-	Post-accident Monitoring
- Torus Water Temperature and Level Indication	SAFETY RELATED DISPLAY
- Equipment Area Cooling System	HVAC ECCS UNIT COOLERS

NOTE: * No components located in containment or in areas outside containment exposed to radiation due to long term core cooling.

PIPE BREAK OUTSIDE CONTAINMENT

In appendix G for Event 41 - Pipe Break outside Primary Containment following systems are identified as being required:

<u>Appendix G Description</u>	<u>79-01B System</u>
- Main Steam Line Isolation Valves	CNTM Isolation
- Control Rod Drive System	CRD Scram System
- RHRS (LPCI mode)	RHR
- RHRS (Torus cooling mode)	RHR
- HPCIS	HPCI
- Automatic Depressurization System	ADS
- Core Spray System	Core Spray
- Reactor Protection System	RPS
- Primary Containment and Reactor Vessel Isolation	CNTM Isolation
- Standby AC Power System	*
- DC Power System	*
- Incident Detection Circuitry	(Items included in associated systems)
- Reactor Building Closed Cooling Water	RBCCW
- Salt Service Water	*
- Main Control Room Environmental Control	*
- Torus Water Temperature and Level Indications	Safety Related Display
- Equipment Area Cooling System	HVAC ECCS Unit Coolers

NOTE: * No components located in areas in which pipe breaks occur or in adjacent compartments.

79-01B Item 7.1,a

Safety System Equipment Lists

Enclosed printout #1 provides a listing of components, by system, reviewed under 79-01B. As required, location information is provided using a coded plant symbol. Refer to attached list "Plant Location Code Designations" for description of the codes. (code 1.30 is inside containment all others are outside containment). Several components have been listed in more than one system. In most cases these components have requirements associated with each of these systems. These components will be listed only once on the Component Evaluation List.

II.

Plant Location Code Designations

The following codes are used in the Bulletin 79-01B computer printout to define plant locations.

<u>Code</u>	<u>Building</u>	<u>Elev.</u>	<u>Space Designation</u>
** 1.1	Reactor	(-) 17.6	RHR and Core Spray Pumps Room "A"
** 1.2	Reactor	(-) 17.6	RHR and Core Spray Pumps Room "B"
** 1.3	Reactor	(-) 17.6	HPCI Pump Room
** 1.4	Reactor	(-) 17.6	HPCI Pump Panel and Valve Room
** 1.5	Reactor	(-) 17.6	RCIC Pump Room
** 1.7	Reactor	2-9	RCIC Pump Room Mezzanine
** 1.8	Reactor	2-9	CRD Pump Room Mezzanine
** 1.9	Reactor	23-0	CRD Modules Area - East
** 1.9A	Reactor	23-0	RHR Piping Room
** 1.9C	Reactor	23-0	Drywell Access Room
** 1.10	Reactor	23-0	CRD Modules Area - West
** 1.10A	Reactor	23-0	RCIC Piping Room
** 1.10B	Reactor	23-0	RHR/HPCI Piping Room
** 1.11	Reactor	51.0	Open Area - East Half
** 1.11A	Reactor	51.0	RWCU Hx Ex. & Pump Room
** 1.12	Reactor	51.0	Open Area - West Half
** 1.13 1.13A 1.13B	Reactor	74-3	Fuel Pool Heat Exchanger Area: Reactor Building Closed Cooling Water System
** 1.14	Reactor	74-3	Open Area - North Half
** 1.15	Reactor	91-3	Standby Liquid Control Area
** 1.16 1.16A	Reactor	91-3	Open Area - North Half
** 1.17	Reactor	91-3	Clothing Change and Storage Area

	<u>Code</u>	<u>Building</u>	<u>Elev.</u>	<u>Space Designation</u>
**	1.23 1.23A 1.23B	Reactor	51-0	Standby Gas Treatment Filter Rooms
**	Steam Tunnel	Reactor	23-0	Steam Tunnel between Turbine Building and Drywell
**	Torus Area	Reactor	(-) 17-6	Compartment surrounding Torus
**	Various	Reactor	all	Indicates use in numerous areas.
*	1.30	Reactor		Drywell Interior

NOTES:

- * Location for Level I equipment (inside containment)
- ** Location for Level II equipment (outside containment)

PRINTOUT

1

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** ADS SYSTEM COMPONENTS *** PAGE 1

System ADS
 Equipment No PS1001-104A
 Description PRESSURE SWITCH M241
 Plant Location 1.1 LOCAL MNTD

System ADS
 Equipment No PS1001-104B
 Description PRESSURE SWITCH M241
 Plant Location 1.2 LOCAL MNTD

System ADS
 Equipment No PS1001-104C
 Description PRESSURE SWITCH M241
 Plant Location 1.1 LOCAL MNTD

System ADS
 Equipment No PS1001-104D
 Description PRESSURE SWITCH M241
 Plant Location 1.2 LOCAL MNTD

System ADS
 Equipment No PS1001-89A
 Description PRESSURE SWITCH M241
 Plant Location 1.1 C129B

System ADS
 Equipment No PS1001-89B
 Description PRESSURE SWITCH M241
 Plant Location 1.12 C2206

System ADS
 Equipment No PS1001-89C
 Description PRESSURE SWITCH M241
 Plant Location 1.14 C129A

System ADS
 Equipment No PS1001-89D
 Description PRESSURE SWITCH M241
 Plant Location 1.12 C2206

System ADS
 Equipment No PS1001-93A
 Description PRESSURE SWITCH M241
 Plant Location 1.1 LOCAL MNTD

System ADS
 Equipment No PS1001-93B
 Description PRESSURE SWITCH M241
 Plant Location 1.2 LOCAL MNTD

System ADS
 Equipment No PS1001-93C
 Description PRESSURE SWITCH M241
 Plant Location 1.1 LOCAL MNTD

System	ADS
Equipment No	PS1001-93D
Description	PRESSURE SWITCH M241
Plant Location	1 2 LOCAL MNTD
System	ADS
Equipment No	PS1451A
Description	PRESSURE SWITCH M242
Plant Location	1 1 C2201
System	ADS
Equipment No	PS1451B
Description	PRESSURE SWITCH M242
Plant Location	1 2 C2260
System	ADS
Equipment No	PS1464A
Description	PRESSURE SWITCH M242
Plant Location	1 1 C2201
System	ADS
Equipment No	PS1464B
Description	PRESSURE SWITCH M242
Plant Location	1 2 C2260
System	ADS
Equipment No	SV203-3A
Description	RELIEF VALVE SOLENOID VALVE M252
Plant Location	1 30
System	ADS
Equipment No	SV203-3B
Description	RELIEF VALVE SOLENOID VALVE M252
Plant Location	1 30
System	ADS
Equipment No	SV203-3C
Description	RELIEF VALVE SOLENOID VALVE M252
Plant Location	1 30
System	ADS
Equipment No	SV203-3D
Description	RELIEF VALVE SOLENOID VALVE M252
Plant Location	1 30

System	ADS via CORE SPRAY
Equipment No	LIS263-72A
Description	LEVEL INDICATING SWITCH M253
Plant Location	J.11 C2205

System	ADS via CORE SPRAY
Equipment No	LIS263-72B
Description	LEVEL INDICATING SWITCH M253
Plant Location	1.12 C2206

System	ADS via CORE SPRAY
Equipment No	LIS263-72C
Description	LEVEL INDICATING SWITCH M253
Plant Location	1.11 C2205

System	ADS via CORE SPRAY
Equipment No	LIS263-72D
Description	LEVEL INDICATING SWITCH M253
Plant Location	1.12 C2206

System	CNIM ATMOS CONTROL
Equipment No	PT9016
Description	PRESSURE TRANSMITTER M227
Plant Location	1.14
System	CNIM ATMOS CONTROL
Equipment No	PT9017
Description	PRESSURE TRANSMITTER M-227
Plant Location	1.12
System	CNIM ATMOS CONTROL
Equipment No	PT9046
Description	PRESSURE TRANSMITTER
Plant Location	1.14
System	CNIM ATMOS CONTROL
Equipment No	SV5033A
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1.9C
System	CNIM ATMOS CONTROL
Equipment No	SV5033B
Description	SOLENOID VV FOR A05033B M227
Plant Location	1.9
System	CNIM ATMOS CONTROL
Equipment No	SV5033C
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1.9C
System	CNIM ATMOS CONTROL
Equipment No	SV5035A
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1.9C
System	CNIM ATMOS CONTROL
Equipment No	SV5035B
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1.9C
System	CNIM ATMOS CONTROL
Equipment No	SV5036A
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1.9C
System	CNIM ATMOS CONTROL
Equipment No	SV5036B
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1.9C
System	CNIM ATMOS CONTROL
Equipment No	SV5040A
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1.10A

System CNTM ATMOS CONTROL
 Equipment No SV5040B
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 10A

System CNTM ATMOS CONTROL
 Equipment No SV5041A
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 10A

System CNTM ATMOS CONTROL
 Equipment No SV5041B
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 10A

System CNTM ATMOS CONTROL
 Equipment No SV5042A
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 10A

System CNTM ATMOS CONTROL
 Equipment No SV5042B
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 10A

System CNTM ATMOS CONTROL
 Equipment No SV5043A
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 13A

System CNTM ATMOS CONTROL
 Equipment No SV5043B
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 13A

System CNTM ATMOS CONTROL
 Equipment No SV5044A
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 13A

System CNTM ATMOS CONTROL
 Equipment No SV5044B
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 13A

System CNTM ATMOS CONTROL
 Equipment No SV5065-10
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 13B

System CNTM ATMOS CONTROL
 Equipment No SV5065-11
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10

System CNTM ATMOS CONTROL

Equipment No	SV5065-11A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	TORUS
System	CNTM ATMOS CONTROL
Equipment No	SV5065-12
Description	SOLENOID VALVE FOR CONTROL VALVE M227
Plant Location	1. 10
System	CNTM ATMOS CONTROL
Equipment No	SV5065-13
Description	SOLENOID VALVE FOR CONTROL VALVE M227
Plant Location	1. 10
System	CNTM ATMOS CONTROL
Equipment No	SV5065-13B
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	TORUS
System	CNTM ATMOS CONTROL
Equipment No	SV5065-14
Description	SOLENOID VALVE FOR CONTROL VALVE M227
Plant Location	1. 10
System	CNTM ATMOS CONTROL
Equipment No	SV5065-15
Description	SOLENOID VALVE FOR CONTROL VALVE M227
Plant Location	1. 10
System	CNTM ATMOS CONTROL
Equipment No	SV5065-15B
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	TORUS
System	CNTM ATMOS CONTROL
Equipment No	SV5065-16
Description	SOLENOID VALVE FOR CONTROL VALVE M227
Plant Location	1. 10A
System	CNTM ATMOS CONTROL
Equipment No	SV5065-17
Description	SOLENOID VALVE FOR CONTROL VALVE M227
Plant Location	1. 13B
System	CNTM ATMOS CONTROL
Equipment No	SV5065-18
Description	SOLENOID VALVE FOR CONTROL VALVE M227
Plant Location	1. 10
System	CNTM ATMOS CONTROL
Equipment No	SV5065-18A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	TORUS
System	CNTM ATMOS CONTROL
Equipment No	SV5065-19

Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10 1 12

System CNTM ATMOS CONTROL
 Equipment No SV5065-20
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10

System CNTM ATMOS CONTROL
 Equipment No SV5065-20B
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 Plant Location TORUS

System CNTM ATMOS CONTROL
 Equipment No SV5065-21
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10

System CNTM ATMOS CONTROL
 Equipment No SV5065-22
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10

System CNTM ATMOS CONTROL
 Equipment No SV5065-22B
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 Plant Location TORUS

System CNTM ATMOS CONTROL
 Equipment No SV5065-23
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10A

System CNTM ATMOS CONTROL
 Equipment No SV5065-24
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10

System CNTM ATMOS CONTROL
 Equipment No SV5065-25
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10

System CNTM ATMOS CONTROL
 Equipment No SV5065-25B
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 Plant Location TORUS

System CNTM ATMOS CONTROL
 Equipment No SV5065-26
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10

System CNTM ATMOS CONTROL
 Equipment No SV5065-27
 Description SOLENOID VALVE FOR CONTROL VALVE M227

Plant Location	1 10
System	CNTM ATMOS CONTROL
Equipment No	SV5065-27B
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	TORUS
System	CNTM ATMOS CONTROL
Equipment No	SV5081A
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1 14
System	CNTM ATMOS CONTROL
Equipment No	SV5081B
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1 14
System	CNTM ATMOS CONTROL
Equipment No	SV5082A
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1 14
System	CNTM ATMOS CONTROL
Equipment No	SV5082B
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1 14
System	CNTM ATMOS CONTROL
Equipment No	SV5083A
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1 10
System	CNTM ATMOS CONTROL
Equipment No	SV5083B
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1 10
System	CNTM ATMOS CONTROL
Equipment No	SV5084A
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1 10
System	CNTM ATMOS CONTROL
Equipment No	SV5084B
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1 10
System	CNTM ATMOS CONTROL
Equipment No	SV5085A
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1 25
System	CNTM ATMOS CONTROL
Equipment No	SV5085B
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1 25

System	CNTM ATMOS CONTROL
Equipment No	SV5086A
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1.25

System	CNTM ATMOS CONTROL
Equipment No	SV5086B
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1.25

System	CNTM ATMOS CONTROL
Equipment No	SV5087A
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1.25

System	CNTM ATMOS CONTROL
Equipment No	SV5087B
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1.25

System	CNTM ATMOS CONTROL
Equipment No	SV5088A
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1.25

System	CNTM ATMOS CONTROL
Equipment No	SV5088B
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
Plant Location	1.25

System	CNTM ATMOS CONTROL
Equipment No	TE5047
Description	TEMPERATURE ELEMENT (RTD) M227
Plant Location	TORUS AREA

System	CNTM ATMOS CONTROL
Equipment No	TE5048
Description	TEMPERATURE ELEMENT M227
Plant Location	TORUS AREA

System	CNTM INTEGRITY
Equipment No	DPIS5040A
Description	DIFFERENTIAL PRESSURE SWITCH M227
Plant Location	1.9 LOCAL MNTD
System	CNTM INTEGRITY
Equipment No	DPIS5040B
Description	DIFFERENTIAL PRESSURE SWITCH M227
Plant Location	1.9 LOCAL MNTD
System	CNTM INTEGRITY
Equipment No	Q100A
Description	CONTAINMENT ELECTRICAL PENETRATION NEUTRON MONITORING
Plant Location	1.30 1.9
System	CNTM INTEGRITY
Equipment No	Q100B
Description	CONTAINMENT ELECTRICAL PENETRATION NEUTRON MONITORING
Plant Location	1.30 1.9
System	CNTM INTEGRITY
Equipment No	Q100C
Description	CONTAINMENT ELECTRICAL PENETRATION NEUTRON MONITORING
Plant Location	1.30 1.10
System	CNTM INTEGRITY
Equipment No	Q100D
Description	CONTAINMENT ELECTRICAL PENETRATION NEUTRON MONITORING
Plant Location	1.30 1.10
System	CNTM INTEGRITY
Equipment No	Q100E
Description	CONTAINMENT ELECTRICAL PENETRATION LOW VOLTAGE SIGNAL & THERMOCOUPLE
Plant Location	1.30 1.9
System	CNTM INTEGRITY
Equipment No	Q101A
Description	CONTAINMENT ELECTRICAL PENETRATION 5 KV POWER
Plant Location	1.30 1.9
System	CNTM INTEGRITY
Equipment No	Q101B
Description	CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
Plant Location	1.30 1.9
System	CNTM INTEGRITY
Equipment No	Q101C
Description	CONTAINMENT ELECTRICAL PENETRATION 5 KV POWER
Plant Location	1.30 1.10
System	CNTM INTEGRITY
Equipment No	Q102A
Description	CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
Plant Location	1.30 1.10

System	CNTM INTEGRITY
Equipment No	Q1029
Description	CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
Plant Location	1 30 1 9

System	CNTM INTEGRITY
Equipment No	Q103A
Description	CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
Plant Location	1 30 1 10

System	CNTM INTEGRITY
Equipment No	Q103B
Description	CONTAINMENT ELECTRICAL PENETRATION LOW VOLTAGE SIGNAL & THERMOCOUPLE
Plant Location	1 30 1 9

System	CNTM INTEGRITY
Equipment No	Q104A
Description	CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
Plant Location	1 30 1 9

System	CNTM INTEGRITY
Equipment No	Q104B
Description	CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
Plant Location	1 30 1 9

System	CNTM INTEGRITY
Equipment No	Q104C
Description	CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
Plant Location	1 30 1 9

System	CNTM INTEGRITY
Equipment No	Q104D
Description	CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
Plant Location	1 30 1 9

System	CNTM INTEGRITY
Equipment No	Q104E
Description	CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
Plant Location	1 30 1 9

System	CNTM INTEGRITY
Equipment No	Q104F
Description	CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
Plant Location	1 30 1 9

System	CNTM INTEGRITY
Equipment No	Q104G
Description	CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION & TIP SYS
Plant Location	1 30 1 10

System	CNTM INTEGRITY
Equipment No	Q104H
Description	CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
Plant Location	1 30 1 10

System	CNTM INTEGRITY
--------	----------------

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** CNM INTEGRITY SYSTEM COMPONENTS *** PAGE 12

Equipment No Q104J
 Description CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION & TIP SYS
 Plant Location 1.30 1.10

System CNM INTEGRITY

Equipment No Q105A
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 Plant Location 1.30 1.9

System CNM INTEGRITY

Equipment No Q105B
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 Plant Location 1.30 1.10

System CNM INTEGRITY

Equipment No Q106B
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 Plant Location 1.30 1.9

System CNM INTEGRITY

Equipment No Q202A
 Description CONTAINMENT ELECTRICAL PENETRATION TORUS
 Plant Location 1.30 TORUS AREA

System CNM INTEGRITY

Equipment No Q202B
 Description CONTAINMENT ELECTRICAL PENETRATION TORUS
 Plant Location 1.30 TORUS AREA

System CNM INTEGRITY

Equipment No SV5040A
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1.10A

System CNM INTEGRITY

Equipment No SV5040B
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1.10A

System
 Equipment No A0203-1A
 Description FIRST ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 Plant Location 1.30

System
 Equipment No A0203-1B
 Description FIRST ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 Plant Location 1.30

System
 Equipment No A0203-1C
 Description FIRST ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 Plant Location 1.30

System
 Equipment No A0203-1D
 Description FIRST ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252
 Plant Location 1.30

System
 Equipment No A0203-2A
 Description SECOND ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252
 Plant Location STEAM TUNNEL

System
 Equipment No A0203-2B
 Description SECOND ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 Plant Location STEAM TUNNEL

System
 Equipment No A0203-2C
 Description SECOND ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 Plant Location STEAM TUNNEL

System
 Equipment No A0203-2D
 Description SECOND ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 Plant Location STEAM TUNNEL

System
 Equipment No DPIS1243
 Description DIFFERENTIAL PRESSURE INDICATING SWITCH M247
 Plant Location 1.10 LOCAL MHD

System	CNTM ISOLATION
Equipment No	DPIS1244
Description	DIFFERENTIAL PRESSURE INDICATING SWITCH M247
Plant Location	1 10 LOCAL MNTD

System	CNTM ISOLATION
Equipment No	DPIS1360-1A
Description	DIFF PRESSURE IND SWITCH M245
Plant Location	1.7 C2257B

System	CNTM ISOLATION
Equipment No	DPIS1360-1B
Description	DIFF PRESSURE IND SWITCH M245
Plant Location	1.7 C2257B

System	CNTM ISOLATION
Equipment No	DPIS2301-2352
Description	DIFF PRESSURE IND SWITCH M243
Plant Location	1.2 C2257A

System	CNTM ISOLATION
Equipment No	DPIS2301-2353
Description	DIFF PRESSURE IND SWITCH M243
Plant Location	1.2 C2257A

System	CNTM ISOLATION
Equipment No	DPIS261-2A
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.7 C2256

System	CNTM ISOLATION
Equipment No	DPIS261-2B
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.7 C2256

System	CNTM ISOLATION
Equipment No	DPIS261-2C
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.7 C2256

System	CNTM ISOLATION
Equipment No	DPIS261-2D
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.7 C2256

System	CNTM ISOLATION
Equipment No	DPIS261-2E
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.7 C2256

System	CNTM ISOLATION
Equipment No	DPIS261-2F
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.7 C2256

System	CNTM ISOLATION
--------	----------------

Equipment No	DPIS261-2G	
Description	DIFFERENTIAL PRESSURE INDICATING SWITCH	M252
Plant Location	1.7	C2256

System	CNTM ISOLATION	
--------	----------------	--

Equipment No	DPIS261-2H	
Description	DIFFERENTIAL PRESSURE INDICATING SWITCH	M252
Plant Location	1.7	C2256

System	CNTM ISOLATION	
--------	----------------	--

Equipment No	DPIS261-2J	
Description	DIFFERENTIAL PRESSURE INDICATING SWITCH	M252
Plant Location	1.7	C2256

System	CNTM ISOLATION	
--------	----------------	--

Equipment No	DPIS261-2K	
Description	DIFFERENTIAL PRESSURE INDICATING SWITCH	M252
Plant Location	1.7	C2256

System	CNTM ISOLATION	
--------	----------------	--

Equipment No	DPIS261-2L	
Description	DIFFERENTIAL PRESSURE INDICATING SWITCH	M252
Plant Location	1.7	C2256

System	CNTM ISOLATION	
--------	----------------	--

Equipment No	DPIS261-2M	
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH	M252
Plant Location	1.7	C2256

System	CNTM ISOLATION	
--------	----------------	--

Equipment No	DPIS261-2N	
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH	M252
Plant Location	1.7	C2256

System	CNTM ISOLATION	
--------	----------------	--

Equipment No	DPIS261-2P	
Description	DIFFERENTIAL PRESSURE INDICATING SWITCH	M252
Plant Location	1.7	C2256

System	CNTM ISOLATION	
--------	----------------	--

Equipment No	DPIS261-2R	
Description	DIFFERENTIAL PRESSURE INDICATING SWITCH	M252
Plant Location	1.7	C2256

System	CNTM ISOLATION	
--------	----------------	--

Equipment No	DPIS261-2S	
Description	DIFFERENTIAL PRESSURE INDICATING SWITCH	M252
Plant Location	1.7	C2256

System	CNTM ISOLATION	
--------	----------------	--

Equipment No	DPIS5040A	
Description	DIFFERENTIAL PRESSURE SWITCH	M227
Plant Location	1.9	LOCAL MINTD

System	CNTM ISOLATION	
--------	----------------	--

Equipment No	DPIS5040B	
--------------	-----------	--

Description Plant Location DIFFERENTIAL PRESSURE SWITCH M227
 1 9 LOCAL MNTD

System CNTM ISOLATION

Equipment No J208
 Description A0203-1A LIMIT SWITCH JUNCTION BOX
 Plant Location 1 30

System CNTM ISOLATION

Equipment No J209
 Description A0203-1B LIMIT SWITCH JUNCTION BOX
 Plant Location 1 30

System CNTM ISOLATION

Equipment No J210
 Description A0203-1C LIMIT SWITCH JUNCTION BOX
 Plant Location 1 30

System CNTM ISOLATION

Equipment No J211
 Description A0203-1D LIMIT SWITCH JUNCTION BOX
 Plant Location 1 30

System CNTM ISOLATION

Equipment No J216
 Description JUNCTION BOX AND TERMINAL BLOCKS
 Plant Location 1 30

System CNTM ISOLATION

Equipment No J43
 Description JUNCTION BOX AND TERMINAL BLOCK
 Plant Location 1 30

System CNTM ISOLATION

Equipment No J44
 Description JUNCTION BOX AND TERMINAL BLOCK
 Plant Location 1 30

System CNTM ISOLATION

Equipment No J55
 Description JUNCTION BOX AND TERMINAL BLOCKS
 Plant Location 1 30

System CNTM ISOLATION

Equipment No J56
 Description JUNCTION BOX AND TERMINAL BLOCKS
 Plant Location 1 30

System CHTM ISOLATION

Equipment No LI5263-57A
 Description LEVEL INDICATING SWITCH M253
 Plant Location 1 11 C2205

System CNTM ISOLATION

Equipment No LI5263-57B
 Description LEVEL INDICATING SWITCH M253

Plant Location	1 11	C2205
System	CNTM ISOLATION	
Equipment No	L1S263-58A	
Description	LEVEL INDICATING SWITCH	M253
Plant Location	1 12	C2206
System	CNTM ISOLATION	
Equipment No	L1S263-58B	
Description	LEVEL INDICATING SWITCH	M253
Plant Location	1 12	C2206
System	CNTM ISOLATION	
Equipment No	M01001-18A	
Description	MOTOR OPERATOR 3-N26M4 VALVE	M241
Plant Location	1 1	
System	CNTM ISOLATION	
Equipment No	M01001-18B	
Description	MOTOR OPERATOR 3-N26M4 VALVE	M241
Plant Location	1 2	
System	CNTM ISOLATION	
Equipment No	M01001-21	
Description	MOTOR OPERATOR 4-N26 VALVE	M241
Plant Location	1 B	
System	CNTM ISOLATION	
Equipment No	M01001-23A	
Description	MOTOR OPERATOR 10-N26M4 VALVE	M241
Plant Location	1 11A	
System	CNTM ISOLATION	
Equipment No	M01001-23B	
Description	MOTOR OPERATOR 10-N26M4 VALVE	M241
Plant Location	1 10A	
System	CNTM ISOLATION	
Equipment No	M01001-26A	
Description	MOTOR OPERATOR 10-N26M4 VALVE	M241
Plant Location	1 11A	
System	CNTM ISOLATION	
Equipment No	M01001-26B	
Description	MOTOR OPERATOR 10-N26M4 VALVE	M241
Plant Location	1 10A	
System	CNTM ISOLATION	
Equipment No	M01001-28A	
Description	MOTOR OPERATOR 18-N136SP66 VALVE	M241
Plant Location	1 9A	
System	CNTM ISOLATION	
Equipment No	M01001-28B	
Description	MOTOR OPERATOR 18-N136SP66 VALVE	M241
Plant Location	1 10B	

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** CNTM ISOLATION SYSTEM COMPONENTS *** PAGE 18

System	CNTM ISOLATION
Equipment No	MO1001-29A
Description	MOTOR OPERATOR 18-N14SP66M3 VALVE M241
Plant Location	1 9A

System	CNTM ISOLATION
Equipment No	MO1001-29B
Description	MOTOR OPERATOR 18-N14SP66M3 VALVE M241
Plant Location	1 10B

System	CNTM ISOLATION
Equipment No	MO1001-32
Description	MOTOR OPERATOR 4-N26 VALVE M241
Plant Location	1 B

System	CNTM ISOLATION
Equipment No	MO1001-34A
Description	MOTOR OPERATOR 12-N26 VALVE M241
Plant Location	1 1

System	CNTM ISOLATION
Equipment No	MO1001-34B
Description	MOTOR OPERATOR 12-N26 VALVE M241
Plant Location	1 2

System	CNTM ISOLATION
Equipment No	MO1001-36A
Description	MOTOR OPERATOR 12-N139M4 VALVE M241
Plant Location	1 1

System	CNTM ISOLATION
Equipment No	MO1001-36B
Description	MOTOR OPERATOR 12-N139M4 VALVE M241
Plant Location	1 2

System	CNTM ISOLATION
Equipment No	MO1001-37A
Description	MOTOR OPERATOR 6-N139M4 VALVE M241
Plant Location	1 1

System	CNTM ISOLATION
Equipment No	MO1001-37B
Description	MOTOR OPERATOR 6-N139M4 VALVE M241
Plant Location	1 2

System	CNTM ISOLATION
Equipment No	MO1001-47
Description	MOTOR OPERATOR 20-N14M4 VALVE M241
Plant Location	1 9A

System	CNTM ISOLATION
Equipment No	MO1001-50
Description	MOTOR OPERATOR 20-N14M3 VALVE M241
Plant Location	1 30

System	CNTM ISOLATION
Equipment No	M01001-60
Description	MOTOR OPERATOR 4-N14M4 VALVE M241
Plant Location	1 13
System	CNTM ISOLATION
Equipment No	M01001-63
Description	MOTOR OPERATOR 4-N14M3 VALVE M241
Plant Location	1 30
System	CNTM ISOLATION
Equipment No	M01001-7A
Description	MOTOR OPERATOR 18-N29M4 VALVE M241
Plant Location	1 1
System	CNTM ISOLATION
Equipment No	M01001-7B
Description	MOTOR OPERATOR 18-N29M4 VALVE M241
Plant Location	1 2
System	CNTM ISOLATION
Equipment No	M01001-7C
Description	MOTOR OPERATOR 18-N29M4 VALVE M241
Plant Location	1 1
System	CNTM ISOLATION
Equipment No	M01001-7D
Description	MOTOR OPERATOR 18-N29M4 VALVE M241
Plant Location	1 2
System	CNTM ISOLATION
Equipment No	M01201-2
Description	MOTOR OPERATOR 6-N14M3 VALVE M247
Plant Location	1 30
System	CNTM ISOLATION
Equipment No	M01201-5
Description	MOTOR OPERATOR 6-N14M3 VALVE M247
Plant Location	1 11A
System	CNTM ISOLATION
Equipment No	M01201-80
Description	MOTOR OPERATOR 4-N116M3 VALVE M247
Plant Location	1 11A
System	CNTM ISOLATION
Equipment No	M01301-16
Description	MOTOR OPERATOR N14 VALVES RCIC M245
Plant Location	1 30
System	CNTM ISOLATION
Equipment No	M01301-17
Description	MOTOR OPERATOR N14 VALVES RCIC M245
Plant Location	1 10A
System	CNTM ISOLATION

Equipment No M01301-25
Description MOTOR OPERATOR GATE VALVE N29MA M245
Plant Location 1 5

System CNTM ISOLATION
Equipment No M01301-26
Description MOTOR OPERATOR GATE VALVE S-29 M245
Plant Location 1 5

System CNTM ISOLATION
Equipment No M01301-60
Description MOTOR OPERATOR 2-129 VALVES RC1C M245
Plant Location 1 5

System CNTM ISOLATION
Equipment No M01400-24A
Description MOTOR OPERATOR 1Q - N14SP66 VALVE M242
Plant Location 1 11A

System CNTM ISOLATION
Equipment No M01400-24B
Description MOTOR OPERATOR 1Q-N14SP66 VALVE M242
Plant Location 1 12

System CNTM ISOLATION
Equipment No M01400-25A
Description MOTOR OPERATOR 1Q-N14SP66M3 VALVE M242
Plant Location 1 11A

System CNTM ISOLATION
Equipment No M01400-25B
Description MOTOR OPERATOR 1Q-N14SP66M3 VALVE M242
Plant Location 1 12

System CNTM ISOLATION
Equipment No M01400-3A
Description MOTOR OPERATOR 18-N29M4 VALVE M242
Plant Location 1 1

System CNTM ISOLATION
Equipment No M01400-3B
Description MOTOR OPERATOR 18-N29M4 VALVE M242
Plant Location 1 2

System CNTM ISOLATION
Equipment No M01400-4A
Description MOTOR OPERATOR 6-N26M3 VALVE M242
Plant Location 1 1

System CNTM ISOLATION
Equipment No M01400-4B
Description MOTOR OPERATOR 6-N26M3 VALVE M242
Plant Location 1 2

System CNTM ISOLATION
Equipment No M02301-14

Description	MOTOR OPERATOR 4 GLOBE VALVE	M243
Plant Location	1 3	
System	CNTM ISOLATION	
Equipment No	M02301-32	
Description	MOTOR OPERATOR SUPPRESSION POOL SUCTION LINE VALVE HPCI	M243
Plant Location	1 3	
System	CNTM ISOLATION	
Equipment No	M02301-36	
Description	MOTOR OPERATOR SUPPRESSION POOL SUCTION LINE VALVE HPCI	M243
Plant Location	1 3	
System	CNTM ISOLATION	
Equipment No	M02301-4	
Description	MOTOR OPERATOR N14 VALVES HPCI	M243
Plant Location	1 30	
System	CNTM ISOLATION	
Equipment No	M02301-5	
Description	MOTOR OPERATOR N14 VALVES HPCI	M243
Plant Location	1 10B	
System	CNTM ISOLATION	
Equipment No	M0261-1	M0220-1
Description	MOTOR OPERATOR 3-N14M4 VALVE	M252
Plant Location	1 30	
System	CNTM ISOLATION	
Equipment No	M0261-2	M0220-2
Description	MOTOR OPERATOR 3-N14M4 VALVE	M252
Plant Location	STEAM TUNNEL	
System	CNTM ISOLATION	
Equipment No	M04002	
Description	MOTOR OPERATOR 6-29 GATE VALVE	M215
Plant Location	TORUS AREA	
System	CNTM ISOLATION	
Equipment No	PS1360-9A	
Description	PRESSURE SWITCH	M245
Plant Location	1 7 C2257B	
System	CNTM ISOLATION	
Equipment No	PS1360-9B	
Description	PRESSURE SWITCH	M245
Plant Location	1 7 C2257B	
System	CNTM ISOLATION	
Equipment No	PS1360-9C	
Description	PRESSURE SWITCH	M245
Plant Location	1 7 C2257B	
System	CNTM ISOLATION	
Equipment No	PS1360-9D	
Description	PRESSURE SWITCH	M245

Plant Location	1.7	C2257B		
System		CNTM ISOLATION		
Equipment No		PS261-23A		
Description		PRESSURE SWITCH	M252	
Plant Location	1.8	C2207		
System		CNTM ISOLATION		
Equipment No		PS261-23B		
Description		PRESSURE SWITCH	M252	
Plant Location	1.8	C2207		
System		CNTM ISOLATION		
Equipment No		SV1001-95A		
Description		SOLENOID VALVE FOR AD 1001-95A	M241	
Plant Location	1.30			
System		CNTM ISOLATION		
Equipment No		SV1001-95B		
Description		SOLENOID VALVE FOR AD 1001-95B	M241	
Plant Location	1.30			
System		CNTM ISOLATION		
Equipment No		SV1301-12		
Description		SOLENOID VALVE FOR AD1301-12	M246	
Plant Location	1.5			
System		CNTM ISOLATION		
Equipment No		SV1301-13		
Description		SOV FOR AD1301-13	M246	
Plant Location	1.5			
System		CNTM ISOLATION		
Equipment No		SV1301-34		
Description		SOLENOID VALVE FOR AD1301-34	M245	
Plant Location	1.5			
System		CNTM ISOLATION		
Equipment No		SV1301-35		
Description		SOV FOR AD1301-35	M245	
Plant Location	1.5			
System		CNTM ISOLATION		
Equipment No		SV1301-71		
Description		SOLENOID VALVE FOR AD 1301-71	M245	
Plant Location		STEAM TUNNEL		
System		CNTM ISOLATION		
Equipment No		SV1400-51A		
Description		SOLENOID VALVE FOR AD140051A	M242	
Plant Location	1.30			
System		CNTM ISOLATION		
Equipment No		SV1400-51B		
Description		SOLENOID VALVE FOR AD1400-51B	M242	
Plant Location	1.30			

79-018 PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** CNTM ISOLATION SYSTEM COMPONENTS *** PAGE 23

System	CNTM ISOLATION		
Equipment No	SV220-44		
Description	SOLENOID VALVE FOR AO 220-44	M252	
Plant Location	1 30		
System	CNTM ISOLATION		
Equipment No	SV220-45		
Description	SOLENOID VALVE FOR AO 220-45	M252	
Plant Location	1 11A		
System	CNTM ISOLATION		
Equipment No	SV2301-29		
Description	SOLENOID VALVE	M243	
Plant Location	1 3		
System	CNTM ISOLATION		
Equipment No	SV2301-30		
Description	SOV FOR AO2301-30	M243	
Plant Location	1 3		
System	CNTM ISOLATION		
Equipment No	SV2301-64		
Description	SOLENOID VALVE	M244	
Plant Location	1 3		
System	CNTM ISOLATION		
Equipment No	SV2301-65		
Description	SOV FOR AO2301-65	M244	
Plant Location	1 3		
System	CNTM ISOLATION		
Equipment No	SV2301-9312		
Description	SOLENOID VALVE FOR AO 9312	M243	
Plant Location	1 3		
System	CNTM ISOLATION		
Equipment No	SV2301-9313		
Description	SOLENOID VALVE FOR AO 9313	M243	
Plant Location	1 3		
System	CNTM ISOLATION		
Equipment No	SV2301-94		
Description	SOLENOID VALVE	M243	
Plant Location	STEAM TUNNEL		
System	CNTM ISOLATION		
Equipment No	SV302-20A		
Description	SOLENOID VALVE	M250	
Plant Location	1 8		
System	CNTM ISOLATION		
Equipment No	SV302-20B		
Description	SOLENOID VALVE	M250	
Plant Location	1 8		

System
 Equipment No SV50334
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 9C

System
 Equipment No SV50338
 Description SOLENOID VV FOR A050338 M227
 Plant Location 1 9

System
 Equipment No SV5033C
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 9C

System
 Equipment No SV5035A
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 9C

System
 Equipment No SV5035B
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 9C

System
 Equipment No SV5036A
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 9C

System
 Equipment No SV5036B
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 9C

System
 Equipment No SV5040A
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 10A

System
 Equipment No SV5040B
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 10A

System
 Equipment No SV5041A
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 10A

System
 Equipment No SV5041B
 Description AIR OPERATOR SOLENOID VALVE M227
 Plant Location 1 10A

System
 Description CNTM ISOLATION

Equipment No	SV5042A
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1 10A
System	CNTM ISOLATION
Equipment No	SV5042B
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1 10A
System	CNTM ISOLATION
Equipment No	SV5043A
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1 13A
System	CNTM ISOLATION
Equipment No	SV5043B
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1 13A
System	CNTM ISOLATION
Equipment No	SV5044A
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1 13A
System	CNTM ISOLATION
Equipment No	SV5044B
Description	AIR OPERATOR SOLENOID VALVE M227
Plant Location	1 13A
System	CNTM ISOLATION
Equipment No	SV5065-10
Description	SOLENOID VALVE FOR CONTROL VALVE M227
Plant Location	1 13B
System	CNTM ISOLATION
Equipment No	SV5065-11
Description	SOLENOID VALVE FOR CONTROL VALVE M227
Plant Location	1 10
System	CNTM ISOLATION
Equipment No	SV5065-11A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	TORUS
System	CNTM ISOLATION
Equipment No	SV5065-12
Description	SOLENOID VALVE FOR CONTROL VALVE M227
Plant Location	1 10
System	CNTM ISOLATION
Equipment No	SV5065-13
Description	SOLENOID VALVE FOR CONTROL VALVE M227
Plant Location	1 10
System	CNTM ISOLATION
Equipment No	SV5065-13B

Description	CONTROL VALVE FOR H2/O2 ANALYZER	
Plant Location	TORUS	
System	CNTM ISOLATION	
Equipment No	SV5065-14	
Description	SOLENOID VALVE FOR CONTROL VALVE	M227
Plant Location	1.10	
System	CNTM ISOLATION	
Equipment No	SV5065-15	
Description	SOLENOID VALVE FOR CONTROL VALVE	M227
Plant Location	1.10	
System	CNTM ISOLATION	
Equipment No	SV5065-15B	
Description	CONTROL VALVE FOR H2/O2 ANALYZER	
Plant Location	TORUS	
System	CNTM ISOLATION	
Equipment No	SV5065-16	
Description	SOLENOID VALVE FOR CONTROL VALVE	M227
Plant Location	1.10A	
System	CNTM ISOLATION	
Equipment No	SV5065-17	
Description	SOLENOID VALVE FOR CONTROL VALVE	M227
Plant Location	1.13B	
System	CNTM ISOLATION	
Equipment No	SV5065-18	
Description	SOLENOID VALVE FOR CONTROL VALVE	M227
Plant Location	1.10	
System	CNTM ISOLATION	
Equipment No	SV5065-18A	
Description	CONTROL VALVE FOR H2/O2 ANALYZER	
Plant Location	TORUS	
System	CNTM ISOLATION	
Equipment No	SV5065-19	
Description	SOLENOID VALVE FOR CONTROL VALVE	M227
Plant Location	1.10 1.12	
System	CNTM ISOLATION	
Equipment No	SV5065-20	
Description	SOLENOID VALVE FOR CONTROL VALVE	M227
Plant Location	1.10	
System	CNTM ISOLATION	
Equipment No	SV5065-20B	
Description	CONTROL VALVE FOR H2/O2 ANALYZER	
Plant Location	TORUS	
System	CNTM ISOLATION	
Equipment No	SV5065-21	
Description	SOLENOID VALVE FOR CONTROL VALVE	M227

Plant Location 1 10

System CNTM ISOLATION
 Equipment No SV5065-22
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10

System CNTM ISOLATION
 Equipment No SV5065-22B
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 Plant Location TORUS

System CNTM ISOLATION
 Equipment No SV5065-23
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10A

System CNTM ISOLATION
 Equipment No SV5065-24
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10

System CNTM ISOLATION
 Equipment No SV5065-25
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10

System CNTM ISOLATION
 Equipment No SV5065-25B
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 Plant Location TORUS

System CNTM ISOLATION
 Equipment No SV5065-26
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10

System CNTM ISOLATION
 Equipment No SV5065-27
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 Plant Location 1 10

System CNTM ISOLATION
 Equipment No SV5065-27B
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 Plant Location TORUS

System CNTM ISOLATION
 Equipment No SV7011A
 Description AIR OPERATOR SOLENOID VALVE M232
 Plant Location TORUS AREA

System CNTM ISOLATION
 Equipment No SV7011B
 Description AIR OPERATOR SOLENOID VALVE M232
 Plant Location TORUS AREA

System	CNTM ISOLATION
Equipment No	SV7017A
Description	AIR OPERATOR SOLENOID VALVE M232
Plant Location	TORUS AREA

System	CNTM ISOLATION
Equipment No	SV7017B
Description	AIR OPERATOR SOLENOID VALVE M232
Plant Location	TORUS AREA

System	CNTM ISOLATION
Equipment No	TS1291-14C
Description	TEMPERATURE SWITCH M247
Plant Location	1.11 IN HV DUCT FROM BACKWASH RCVR TK ROOM

System	CNTM ISOLATION
Equipment No	TS1291-14D
Description	TEMPERATURE SWITCH M247
Plant Location	1.11 IN HV DUCT FROM BACKWASH RCVR TK ROOM

System	CNTM ISOLATION
Equipment No	TS1291-14E
Description	TEMPERATURE SWITCH M247
Plant Location	1.11 IN HV DUCT FROM RWCU HX ROOM

System	CNTM ISOLATION
Equipment No	TS1291-14F
Description	TEMPERATURE SWITCH M247
Plant Location	1.11 IN HV DUCT FROM RWCU HX ROOM

System	CNTM ISOLATION
Equipment No	TS1291-14G
Description	TEMPERATURE SWITCH M247
Plant Location	1.9A WALL MOUNTED

System	CNTM ISOLATION
Equipment No	TS1291-14H
Description	TEMPERATURE SWITCH M247
Plant Location	1.9A WALL MOUNTED

System	CNTM ISOLATION
Equipment No	TS1291-14J
Description	TEMPERATURE SWITCH M247
Plant Location	1.9 IN HV DUCT FROM RHR A VV ROOM

System	CNTM ISOLATION
Equipment No	TS1291-14K
Description	TEMPERATURE SWITCH M247
Plant Location	1.9 IN HV DUCT FROM RHR A VV ROOM

System	CNTM ISOLATION
Equipment No	TS1360-14C
Description	TEMPERATURE SWITCH M245
Plant Location	1.10A WALL MOUNTED

System	CNTM ISOLATION
Equipment No	TS1360-14D
Description	TEMPERATURE SWITCH M245
Plant Location	1.10A WALL MOUNTED
System	CNTM ISOLATION
Equipment No	TS1360-15A
Description	TEMPERATURE SWITCH M245
Plant Location	1.5 WALL MOUNTED
System	CNTM ISOLATION
Equipment No	TS1360-15B
Description	TEMPERATURE SWITCH M245
Plant Location	1.5 WALL MOUNTED
System	CNTM ISOLATION
Equipment No	TS1360-15C
Description	TEMPERATURE SWITCH M245
Plant Location	1.10A IN HV DUCT FROM TORUS AREA
System	CNTM ISOLATION
Equipment No	TS1360-15D
Description	TEMPERATURE SWITCH M245
Plant Location	1.10A IN HV DUCT FROM TORUS AREA
System	CNTM ISOLATION
Equipment No	TS1360-16C
Description	TEMPERATURE SWITCH M245
Plant Location	1.10A WALL MOUNTED
System	CNTM ISOLATION
Equipment No	TS1360-16D
Description	TEMPERATURE SWITCH M245
Plant Location	1.10A WALL MOUNTED
System	CNTM ISOLATION
Equipment No	TS1360-17A
Description	TEMPERATURE SWITCH M245
Plant Location	1.5 WALL MOUNTED
System	CNTM ISOLATION
Equipment No	TS1360-17B
Description	TEMPERATURE SWITCH M245
Plant Location	1.5 WALL MOUNTED
System	CNTM ISOLATION
Equipment No	TS1360-17C
Description	TEMPERATURE SWITCH M245
Plant Location	1.10A IN HV DUCT FROM TORUS AREA
System	CNTM ISOLATION
Equipment No	TS1360-17D
Description	TEMPERATURE SWITCH M245
Plant Location	1.10A IN HV DUCT FROM TORUS AREA
System	CNTM ISOLATION

Equipment No TS2370C
 Description TEMPERATURE SWITCH M243
 Plant Location 1.10 IN HV DUCT FROM HPCI VV ROOM

System CNTM ISOLATION
 Equipment No TS2370D
 Description TEMPERATURE SWITCH M243
 Plant Location 1.10 IN HV DUCT FROM HPCI VV ROOM

System CNTM ISOLATION
 Equipment No TS2371A
 Description TEMPERATURE SWITCH M243
 Plant Location 1.2 IN HV DUCT FROM HPCI PP ROOM

System CNTM ISOLATION
 Equipment No TS2371B
 Description TEMPERATURE SWITCH M243
 Plant Location 1.2 IN HV DUCT FROM HPCI PP ROOM

System CNTM ISOLATION
 Equipment No TS2371C
 Description TEMPERATURE SWITCH M243
 Plant Location 1.10A IN HV DUCT FROM TORUS AREA

System CNTM ISOLATION
 Equipment No TS2371D
 Description TEMPERATURE SWITCH M243
 Plant Location 1.10A IN HV DUCT FROM TORUS AREA

System CNTM ISOLATION
 Equipment No TS2372C
 Description TEMPERATURE SWITCH M243
 Plant Location 1.10 IN HV DUCT FROM HPCI VV ROOM

System CNTM ISOLATION
 Equipment No TS2372D
 Description TEMPERATURE SWITCH M243
 Plant Location 1.10 IN HV DUCT FROM HPCI VV ROOM

System CNTM ISOLATION
 Equipment No TS2373A
 Description TEMPERATURE SWITCH M243
 Plant Location 1.2 IN HV DUCT FROM HPCI PP ROOM

System CNTM ISOLATION
 Equipment No TS2373B
 Description TEMPERATURE SWITCH M243
 Plant Location 1.2 IN DUCT FROM HPCI PP ROOM

System CNTM ISOLATION
 Equipment No TS2373C
 Description TEMPERATURE SWITCH M243
 Plant Location 1.10A IN HV DUCT FROM TORUS AREA

System CNTM ISOLATION
 Equipment No TS2373D

Description TEMPERATURE SWITCH M243
Plant Location 1 10A IN HV DUCT FROM TORUS AREA

System CNTM ISOLATION
Equipment No TS261-15A
Description TEMPERATURE SWITCH M252
Plant Location 1 10A IN HV DUCT FROM STEAM TUNNEL

System CNTM ISOLATION
Equipment No TS261-15B
Description TEMPERATURE SWITCH M252
Plant Location 1 10A IN HV DUCT FROM STEAM TUNNEL

System CNTM ISOLATION
Equipment No TS261-15C
Description TEMPERATURE SWITCH M252
Plant Location 1 10A IN HV DUCT FROM STEAM TUNNEL

System CNTM ISOLATION
Equipment No TS261-15D
Description TEMPERATURE SWITCH M252
Plant Location 1 10A IN HV DUCT FROM STEAM TUNNEL

System CNTM ISOLATION
Equipment No TS261-16A
Description TEMPERATURE SWITCH M252
Plant Location 2 11 IN TURB BLDG HV EXH DUCT

System CNTM ISOLATION
Equipment No TS261-16B
Description TEMPERATURE SWITCH M252
Plant Location 2 11 IN TURB BLDG HV EXH DUCT

System CNTM ISOLATION
Equipment No TS261-16C
Description TEMPERATURE SWITCH M252
Plant Location 2 11 IN TURB BLDG HV EXH DUCT

System CNTM ISOLATION
Equipment No TS261-16D
Description TEMPERATURE SWITCH M252
Plant Location 2 11 IN TURB BLDG HV EXH DUCT

System	CORE SPRAY
Equipment No	DPIS1459A
Description	DIFFERENTIAL PRESSURE SWITCH M242
Plant Location	1 B LOCAL MNTD
System	CORE SPRAY
Equipment No	DPIS1459B
Description	DIFFERENTIAL PRESSURE SWITCH M242
Plant Location	1 B LOCAL MNTD
System	CORE SPRAY
Equipment No	FT1461A
Description	FLOW TRANSMITTER
Plant Location	1.1 C2201
System	CORE SPRAY
Equipment No	FT1461B
Description	FLOW TRANSMITTER
Plant Location	1.2 C2269
System	CORE SPRAY
Equipment No	LIS263-72A
Description	LEVEL INDICATING SWITCH M253
Plant Location	1.11 C2205
System	CORE SPRAY
Equipment No	LIS263-72B
Description	LEVEL INDICATING SWITCH M253
Plant Location	1.12 C2206
System	CORE SPRAY
Equipment No	LIS263-72C
Description	LEVEL INDICATING SWITCH M253
Plant Location	1.11 C2205
System	CORE SPRAY
Equipment No	LIS263-72D
Description	LEVEL INDICATING SWITCH M253
Plant Location	1.12 C2206
System	CORE SPRAY
Equipment No	MO1400-24A
Description	MOTOR OPERATOR 1Q - N14SP66 VALVE M242
Plant Location	1.11A
System	CORE SPRAY
Equipment No	MO1400-24B
Description	MOTOR OPERATOR 1Q-N14SP66 VALVE M242
Plant Location	1.12
System	CORE SPRAY
Equipment No	MO1400-25A
Description	MOTOR OPERATOR 1Q-N14SP66M3 VALVE M242
Plant Location	1.11A

System	CORE SPRAY		
Equipment No	M01400-25B		
Description	MOTOR OPERATOR 1Q-N14SP66M3 VALVE	M242	
Plant Location	1 12		

System	CORE SPRAY		
Equipment No	M01400-3A		
Description	MOTOR OPERATOR 1B-N29M4 VALVE	M242	
Plant Location	1 1		

System	CORE SPRAY		
Equipment No	M01400-3B		
Description	MOTOR OPERATOR 1B-N29M4 VALVE	M242	
Plant Location	1 2		

System	CORE SPRAY		
Equipment No	M01400-4A		
Description	MOTOR OPERATOR 6-N26M3 VALVE	M242	
Plant Location	1 1		

System	CORE SPRAY		
Equipment No	M01400-4B		
Description	MOTOR OPERATOR 6-N26M3 VALVE	M242	
Plant Location	1 2		

System	CORE SPRAY		
Equipment No	P215A		
Description	CORE SPRAY PUMP	M242	
Plant Location	1 1		

System	CORE SPRAY		
Equipment No	P215B		
Description	CORE SPRAY PUMP	M242	
Plant Location	1 2		

System	CORE SPRAY		
Equipment No	PS1001-90A		
Description	PRESSURE SWITCH	M241	
Plant Location	1 14	C129B	

System	CORE SPRAY		
Equipment No	PS1001-90B		
Description	PRESSURE SWITCH	M241	
Plant Location	1 12	C2206	

System	CORE SPRAY		
Equipment No	PS1001-90C		
Description	PRESSURE SWITCH	M241	
Plant Location	1 14	C129A	

System	CORE SPRAY		
Equipment No	PS1001-90D		
Description	PRESSURE SWITCH	M241	
Plant Location	1 12	C2206	

System	CORE SPRAY		
--------	------------	--	--

Equipment No	PS1451A	
Description	PRESSURE SWITCH	M242
Plant Location	1.1	C2201
System	CORE SPRAY	
Equipment No	PS1451B	
Description	PRESSURE SWITCH	M242
Plant Location	1.2	C2260
System	CORE SPRAY	
Equipment No	PS1464A	
Description	PRESSURE SWITCH	M242
Plant Location	1.1	C2201
System	CORE SPRAY	
Equipment No	PS1464B	
Description	PRESSURE SWITCH	M242
Plant Location	1.2	C2260
System	CORE SPRAY	
Equipment No	PS263-52A	
Description	PRESSURE SWITCH	M253
Plant Location	1.11	C2205
System	CORE SPRAY	
Equipment No	PS263-52B	
Description	PRESSURE SWITCH	M253
Plant Location	1.12	C2206
System	CORE SPRAY	
Equipment No	PS263-53A	
Description	PRESSURE SWITCH	M253
Plant Location	1.11	C2205
System	CORE SPRAY	
Equipment No	PS263-53B	
Description	PRESSURE SWITCH	M253
Plant Location	1.12	C2206
System	CORE SPRAY	
Equipment No	SV1400-51A	
Description	SOLENOID VALVE FOR AD140051A	M242
Plant Location	1.30	
System	CORE SPRAY	
Equipment No	SV1400-51B	
Description	SOLENOID VALVE FOR AD1400-51B	M242
Plant Location	1.30	

System CRD SCRAM SYSTEM
 Equipment No LS302-B2A
 Description LEVEL SWITCH M250
 Plant Location 1 9 LOCAL MNTD

System CRD SCRAM SYSTEM
 Equipment No LS302-B2B
 Description LEVEL SWITCH M250
 Plant Location 1 9 LOCAL MNTD

System CRD SCRAM SYSTEM
 Equipment No LS302-B2C
 Description LEVEL SWITCH M250
 Plant Location 1 9 LOCAL MNTD

System CRD SCRAM SYSTEM
 Equipment No LS302-B2D
 Description LEVEL SWITCH M250
 Plant Location 1 9 LOCAL MNTD

System CRD SCRAM SYSTEM
 Equipment No S0117
 Description SOLENOID VALVE (TYP OF 145) M250 (919D615)
 Plant Location 1 9 1 10

System CRD SCRAM SYSTEM
 Equipment No S0118
 Description SOLENOID VALVE (TYP OF 145) M250 (919D615)
 Plant Location 1 9 1 10

System CRD SCRAM SYSTEM
 Equipment No SV302-19A
 Description SOV M250
 Plant Location 1 8

System CRD SCRAM SYSTEM
 Equipment No SV302-19B
 Description SOV M250
 Plant Location 1 8

System CRD SCRAM SYSTEM
 Equipment No SV302-20A
 Description SOLENOID VALVE M250
 Plant Location 1 8

System CRD SCRAM SYSTEM
 Equipment No SV302-20B
 Description SOLENOID VALVE M250
 Plant Location 1 8

System
 Electrical Distribution
 Equipment No 112 KERITE
 Description 1/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System
 Electrical Distribution
 Equipment No 112 OKONITE
 Description 1/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System
 Electrical Distribution
 Equipment No 210 KERITE
 Description 2/C STRANDED #10 600V POWER & CONTROL CABLE
 Plant Location VARIOUS

System
 Electrical Distribution
 Equipment No 212 KERITE
 Description 2/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System
 Electrical Distribution
 Equipment No 212 OKONITE
 Description 2/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System
 Electrical Distribution
 Equipment No 312 KERITE 38 KERITE
 Description 3/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System
 Electrical Distribution
 Equipment No 312 OKONITE 88 OKONITE
 Description 3/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System
 Electrical Distribution
 Equipment No 410 KERITE
 Description 4/C STRANDED #10 600V POWER & CONTROL CABLE
 Plant Location VARIOUS

System
 Electrical Distribution
 Equipment No 412 KERITE
 Description 4/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System
 Electrical Distribution
 Equipment No 412 OKONITE
 Description 4/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System
 Electrical Distribution
 Equipment No 512 KERITE 89 KERITE
 Description 5/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No 512 OKONITE 89 OKONITE
 Description 5/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No 712 KERITE
 Description 7/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No 712 OKONITE
 Description 7/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No 912 KERITE
 Description 9/C STRANDED #12 600V POWER & CONTROL CABLE
 Plant Location 1.30 VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No A1 KERITE
 Description 1/C STRANDED #000 5KV CABLE
 Plant Location VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No A1 OKONITE
 Description 1/C STRANDED #0000 5KV CABLE
 Plant Location VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No A2 KERITE
 Description 1/C STRANDED 350 MCM 5KV CABLE
 Plant Location VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No A2 OKONITE
 Description 1/C STRANDED 350MCM 5KV CABLE
 Plant Location VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No A3 KERITE
 Description 1/C STRANDED 500MCM 5KV CABLE
 Plant Location VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No A4 KERITE
 Description 1/C STRANDED 1250MCM 5KV CABLE
 Plant Location VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No B1 KERITE
 Description 1/C STRANDED 350MCM 600V POWER CABLE
 Plant Location VARIOUS

Equipment No B17
 Description AC MOTOR CONTROL CENTER E10
 Plant Location 1.9

ELECTRICAL DISTRIBUTION

System B18
 Equipment No AC MOTOR CONTROL CENTER E10
 Description 1.10
 Plant Location

ELECTRICAL DISTRIBUTION

System B2 KERITE
 Equipment No 1/C STRANDED #0000 600V POWER CABLE
 Description VARIOUS
 Plant Location

ELECTRICAL DISTRIBUTION

System B20
 Equipment No AC MOTOR CONTROL CENTER E10
 Description 1.9
 Plant Location

ELECTRICAL DISTRIBUTION

System B3 KERITE
 Equipment No 1/C STRANDED #00 600V POWER CABLE
 Description VARIOUS
 Plant Location

ELECTRICAL DISTRIBUTION

System R4 KERITE
 Equipment No 1/C STRANDED #0 600V POWER CABLE
 Description VARIOUS
 Plant Location

ELECTRICAL DISTRIBUTION

System B5 KERITE
 Equipment No 1/C STRANDED #4 600V POWER CABLE
 Description VARIOUS
 Plant Location

ELECTRICAL DISTRIBUTION

System B6 KERITE
 Equipment No 3/G STRANDED #6 600V POWER & CONTROL CABLE
 Description 1.30 VARIOUS
 Plant Location

ELECTRICAL DISTRIBUTION

System B65 OKONLITE
 Equipment No 1/C STRANDED #6 600V POWER & CONTROL
 Description VARIOUS
 Plant Location

ELECTRICAL DISTRIBUTION

System B7 KERITE 310 KERITE
 Equipment No 3/C STRANDED #10 600V POWER & CONTROL CABLE
 Description 1.30 VARIOUS
 Plant Location

ELECTRICAL DISTRIBUTION

System C12 KERITE
 Equipment No 12/C STRANDED #12 600V POWER & CONTROL
 Description VARIOUS
 Plant Location

ELECTRICAL DISTRIBUTION

System C129A
 Equipment No

Description INSTRUMENT RACK
Plant Location 1.14

System ELECTRICAL DISTRIBUTION
Equipment No C1298

Description INSTRUMENT RACK
Plant Location 1.14

System ELECTRICAL DISTRIBUTION
Equipment No C152

Description SHUTDOWN PANEL
Plant Location 1.9

System ELECTRICAL DISTRIBUTION
Equipment No C153

Description SHUTDOWN PANEL
Plant Location 1.10

System ELECTRICAL DISTRIBUTION
Equipment No C154

Description SHUTDOWN PANEL
Plant Location 1.10

System ELECTRICAL DISTRIBUTION
Equipment No C155

Description SHUTDOWN PANEL
Plant Location 1.10

System ELECTRICAL DISTRIBUTION
Equipment No C156

Description SHUTDOWN PANEL
Plant Location 1.9

System ELECTRICAL DISTRIBUTION
Equipment No C157

Description SHUTDOWN PANEL
Plant Location 1.10

System ELECTRICAL DISTRIBUTION
Equipment No C158

Description SHUTDOWN PANEL
Plant Location 1.10

System ELECTRICAL DISTRIBUTION
Equipment No C159

Description SHUTDOWN PANEL
Plant Location 1.10

System ELECTRICAL DISTRIBUTION
Equipment No C163

Description SHUTDOWN PANEL
Plant Location 1.9

System ELECTRICAL DISTRIBUTION
Equipment No C2201

Description INSTRUMENT RACK

Plant Location	1.1	
System	ELECTRICAL DISTRIBUTION	
Equipment No	C2205	
Description	INSTRUMENT RACK	
Plant Location	1.11	
System	ELECTRICAL DISTRIBUTION	
Equipment No	C2206	
Description	INSTRUMENT RACK	
Plant Location	1.12	
System	ELECTRICAL DISTRIBUTION	
Equipment No	C2207	
Description	INSTRUMENT RACK	
Plant Location	1.8	
System	ELECTRICAL DISTRIBUTION	
Equipment No	C2250	
Description	INSTRUMENT RACK	
Plant Location	1.4	
System	ELECTRICAL DISTRIBUTION	
Equipment No	C2251	
Description	INSTRUMENT RACK	
Plant Location	1.9	
System	ELECTRICAL DISTRIBUTION	
Equipment No	C2256	
Description	INSTRUMENT RACK	
Plant Location	1.7	
System	ELECTRICAL DISTRIBUTION	
Equipment No	C2257A	
Description	INSTRUMENT RACK	
Plant Location	1.2	
System	ELECTRICAL DISTRIBUTION	
Equipment No	C2257B	
Description	INSTRUMENT RACK	
Plant Location	1.7	
System	ELECTRICAL DISTRIBUTION	
Equipment No	C2260	
Description	INSTRUMENT RACK	
Plant Location	1.2	
System	ELECTRICAL DISTRIBUTION	
Equipment No	D7	
Description	DC MOTOR CONTROL CENTER	E13
Plant Location	1.10	
System	ELECTRICAL DISTRIBUTION	
Equipment No	D9	
Description	DC MOTOR CONTROL CENTER	E13
Plant Location	1.10	

System
 Equipment No D9
 Description DC MOTOR CONTROL CENTER E13
 Plant Location 1 10
 ELECTRICAL DISTRIBUTION

System
 Equipment No J216
 Description JUNCTION BOX AND TERMINAL BLOCKS
 Plant Location 1 30
 ELECTRICAL DISTRIBUTION

System
 Equipment No J43
 Description JUNCTION BOX AND TERMINAL BLOCK
 Plant Location 1 30
 ELECTRICAL DISTRIBUTION

System
 Equipment No J44
 Description JUNCTION BOX AND TERMINAL BLOCK
 Plant Location 1 30
 ELECTRICAL DISTRIBUTION

System
 Equipment No J55
 Description JUNCTION BOX AND TERMINAL BLOCKS
 Plant Location 1 30
 ELECTRICAL DISTRIBUTION

System
 Equipment No J56
 Description JUNCTION BOX AND TERMINAL BLOCKS
 Plant Location 1 30
 ELECTRICAL DISTRIBUTION

System
 Equipment No N550
 Description SHUTDOWN PANEL
 Plant Location 1 10
 ELECTRICAL DISTRIBUTION

System
 Equipment No G1018
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 Plant Location 1 30 1 9
 ELECTRICAL DISTRIBUTION

System
 Equipment No G102A
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 Plant Location 1 30 1 10
 ELECTRICAL DISTRIBUTION

System
 Equipment No G1023
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 Plant Location 1 30 1 9
 ELECTRICAL DISTRIBUTION

System
 Equipment No G103A
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 Plant Location 1 30 1 10
 ELECTRICAL DISTRIBUTION

POOR ORIGINAL

System ELECTRICAL DISTRIBUTION
 Equipment No Q105A
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 Plant Location 1.30 1.9

System ELECTRICAL DISTRIBUTION
 Equipment No Q105B
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 Plant Location 1.30 1.10

System ELECTRICAL DISTRIBUTION
 Equipment No Q106B
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 Plant Location 1.30 1.9

System ELECTRICAL DISTRIBUTION
 Equipment No S1
 Description 2/C #16 TWISTED SHIELDED PAIR
 Plant Location VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No S3
 Description 3/C #16 SHIELDED
 Plant Location VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No S157275
 Description TYPE SIS SWITCHBOARD WIRE N/A
 Plant Location 1.30 VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No S157279
 Description TYPE SIS SWITCHBOARD WIRE
 Plant Location 1.30 VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No SPLICE (600V PENETRATION)
 Description PENETRATION 600V POWER & CONTROL CABLE SPLICES
 Plant Location 1.30

System ELECTRICAL DISTRIBUTION
 Equipment No SPLICE (50V)
 Description 50V 600V CABLE SPLICES
 Plant Location 1.30 VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No TERMINATIONS (4 Kv)
 Description 4 Kv CABLE SPLICES & MOTOR TERMINATIONS
 Plant Location VARIOUS

System ELECTRICAL DISTRIBUTION
 Equipment No TERMINATIONS (LESS THAN 4 Kv)
 Description STANDARD INDUSTRIAL COMPRESSION TYPE TERMINATIONS
 Plant Location 1.30 VARIOUS

System	H2/O2 ANALYZER
Equipment No	C118
Description	HYDROGEN ANALYZER A M239
Plant Location	1.12
System	H2/O2 ANALYZER
Equipment No	C119
Description	HYDROGEN ANALYZER B M239
Plant Location	1.11
System	H2/O2 ANALYZER
Equipment No	C172
Description	H2O2 ANALYZER
Plant Location	1.14
System	H2/O2 ANALYZER
Equipment No	C173
Description	H2O2 ANALYZER
Plant Location	1.14
System	H2/O2 ANALYZER
Equipment No	SV5065-14A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1.10
System	H2/O2 ANALYZER
Equipment No	SV5065-21A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1.10
System	H2/O2 ANALYZER
Equipment No	SV5065-24A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1.12
System	H2/O2 ANALYZER
Equipment No	SV5065-26A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1.12
System	H2/O2 ANALYZER
Equipment No	SV5065-31
Description	SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location	1.11
System	H2/O2 ANALYZER
Equipment No	SV5065-31B
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1.14
System	H2/O2 ANALYZER
Equipment No	SV5065-32
Description	SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location	1.11

System H2/O2 ANALYZER
Equipment No SV5065-33
Description SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location 1.12

System H2/O2 ANALYZER
Equipment No SV5065-33A
Description CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location 1.13

System H2/O2 ANALYZER
Equipment No SV5065-34
Description SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location 1.12

System H2/O2 ANALYZER
Equipment No SV5065-35
Description SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location 1.11

System H2/O2 ANALYZER
Equipment No SV5065-35B
Description CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location 1.14

System H2/O2 ANALYZER
Equipment No SV5065-36
Description SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location 1.11

System H2/O2 ANALYZER
Equipment No SV5065-37
Description SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location 1.12

System H2/O2 ANALYZER
Equipment No SV5065-37A
Description CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location 1.13

System H2/O2 ANALYZER
Equipment No SV5065-38
Description SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location 1.12

System	HPCI
Equipment No	C2303
Description	ENCLOSURES & TERM BLOCKS FOR HPCI TURB CNTRLS
Plant Location	1.3

System	HPCI
Equipment No	CV2301-32
Description	CONTROL VALVE M244
Plant Location	1.3

System	HPCI
Equipment No	CV9068A
Description	SOLENOID VALVE M243
Plant Location	1.3

System	HPCI
Equipment No	CV9068B
Description	SOLENOID VALVE M243
Plant Location	1.3

System	HPCI
Equipment No	DPIS2301-2352
Description	DIFF PRESSURE IND SWITCH M243
Plant Location	1.2 C2257A

System	HPCI
Equipment No	DPIS2301-2353
Description	DIFF PRESSURE IND SWITCH M243
Plant Location	1.2 C2257A

System	HPCI
Equipment No	FS2301-2354
Description	FLOW SWITCH M243
Plant Location	1.4 C2250

System	HPCI
Equipment No	FT2358
Description	FLOW TRANSMITTER M243
Plant Location	1.4 C2250

System	HPCI
Equipment No	HPCI TURB CONTROL
Description	EGM CONTROL BOX M244
Plant Location	1.3 C2303

System	HPCI
Equipment No	HPCI TURB CONTROL 1
Description	EGR ACTUATOR ASSEMBLY M244
Plant Location	1.3 C2303

System	HPCI
Equipment No	HPCI TURB CONTROL 2
Description	DROPPING RESISTOR ASSEMBLY M244
Plant Location	1.3 C2303

System HPCI
 Equipment No HPCI TURB CONTROL 3
 Description LOW SPEED POTENTIOMETER M244
 Plant Location 1 3 C2303

System HPCI
 Equipment No HPCI TURB CONTROL 4
 Description SPEED SIGNAL CONVERTER M244
 Plant Location 1 3 C2303

System HPCI
 Equipment No HPCI TURB CONTROL 5
 Description MAGNETIC PICK-UP M244
 Plant Location 1 3 TURB SKID

System HPCI
 Equipment No HPCI TURB CONTROL 6
 Description EGR & MAG PK-UP CABLE ASSEMBLIES M244
 Plant Location 1 3 C2303

System HPCI
 Equipment No HPCI TURB CONTROL 7
 Description REMOTE TRIP SOV M244
 Plant Location 1 3 TURB SKID

System HPCI
 Equipment No HPCI TURB CONTROL 8
 Description PRESSURE SWITCH AUX OIL PMP START M244
 Plant Location 1 3 TURB SKID

System HPCI
 Equipment No HPCI TURB CONTROL 9
 Description STOP VV LIMIT SW M244
 Plant Location 1 3 TURB SKID

System HPCI
 Equipment No LS2301-2351A
 Description LEVEL SWITCH M243
 Plant Location TORUS AREA LOCAL MNTD

System HPCI
 Equipment No LS2301-2351B
 Description LEVEL SWITCH M243
 Plant Location TORUS AREA LOCAL MNTD

System HPCI
 Equipment No LS2301-2365
 Description LEVEL SWITCH M243
 Plant Location 1 3 LOCAL MNTD

System HPCI
 Equipment No LS2301-2369
 Description LEVEL SWITCH M244
 Plant Location 1 3 LOCAL MNTD

System HPCI

System HPCI
Equipment No HPCI TURB CONTROL 3
Description LOW SPEED POTENTIOMETER M244
Plant Location 1 3 C2303

System HPCI
Equipment No HPCI TURB CONTROL 4
Description SPEED SIGNAL CONVERTER M244
Plant Location 1 3 C2303

System HPCI
Equipment No HPCI TURB CONTROL 5
Description MAGNETIC PICK-UP M244
Plant Location 1 3 TURB SKID

System HPCI
Equipment No HPCI TURB CONTROL 6
Description EGR & MAG PK-UP CABLE ASSEMBLIES M244
Plant Location 1 3 C2303

System HPCI
Equipment No HPCI TURB CONTROL 7
Description REMOTE TRIP SOV M244
Plant Location 1 3 TURB SKID

System HPCI
Equipment No HPCI TURB CONTROL 8
Description PRESSURE SWITCH AUX OIL PMP START M244
Plant Location 1 3 TURB SKID

System HPCI
Equipment No HPCI TURB CONTROL 9
Description STOP VV LIMIT SW M244
Plant Location 1 3 TURB SKID

System HPCI
Equipment No LS2301-2351A
Description LEVEL SWITCH M243
Plant Location TORUS AREA LOCAL MNTD

System HPCI
Equipment No LS2301-2351B
Description LEVEL SWITCH M243
Plant Location TORUS AREA LOCAL MNTD

System HPCI
Equipment No LS2301-2365
Description LEVEL SWITCH M243
Plant Location 1 3 LOCAL MNTD

System HPCI
Equipment No LS2301-2369
Description LEVEL SWITCH M244
Plant Location 1 3 LOCAL MNTD

System HPCI

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** HPCI SYSTEM COMPONENTS *** PAGE 47

Equipment No LS8020
 Description LEVEL SWITCH M244
 Plant Location 1.3 LOCAL MNTD

System HPCI

Equipment No LS8021
 Description LEVEL SWITCH M244
 Plant Location 1.3 LOCAL MNTD

System HPCI

Equipment No LS9068
 Description LEVEL SWITCH M243
 Plant Location 1.3 LOCAL MNTD

System HPCI

Equipment No M02301-10
 Description MOTOR OPERATOR N116 VALVE HPCI M243
 Plant Location 1.4

System HPCI

Equipment No M02301-14
 Description MOTOR OPERATOR 4 GLOBE VALVE M243
 Plant Location 1.3

System HPCI

Equipment No M02301-3
 Description MOTOR OPERATOR N14 VALVES HPCI M243
 Plant Location 1.3

System HPCI

Equipment No M02301-35
 Description MOTOR OPERATOR SUPPRESSION POOL SUCTION LINE VALVE HPCI M243
 Plant Location 1.3

System HPCI

Equipment No M02301-36
 Description MOTOR OPERATOR SUPPRESSION POOL SUCTION LINE VALVE HPCI M243
 Plant Location 1.3

System HPCI

Equipment No M02301-4
 Description MOTOR OPERATOR N14 VALVES HPCI M243
 Plant Location 1.30

System HPCI

Equipment No M02301-5
 Description MOTOR OPERATOR N14 VALVES HPCI M243
 Plant Location 1.10B

System HPCI

Equipment No M02301-8
 Description MOTOR OPERATOR N10 VALVES HPCI M243
 Plant Location 1.10A

System HPCI

Equipment No M02301-9

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** HPCI SYSTEM COMPONENTS *** PAGE 48

MOTOR OPERATOR N10 VALVES HPCI M243

Description
Plant Location

1.3

System

Equipment No PS2301-2368A
Description PRESS SWITCH M244
Plant Location 1.4 C2250

System

Equipment No PS2301-2368B
Description PRESS SWITCH M244
Plant Location 1.4 C2250

System

Equipment No PS2301-2389A
Description PRESSURE SWITCH M243
Plant Location 1.2 C2257A

System

Equipment No PS2301-2389B
Description PRESSURE SWITCH M243
Plant Location 1.2 C2257A

System

Equipment No PS2301-2389C
Description PRESSURE SWITCH M243
Plant Location 1.2 C2257A

System

Equipment No PS2301-2389D
Description PRESSURE SWITCH M243
Plant Location 1.2 C2257A

System

Equipment No PS2360-1
Description PRESS SWITCH M244
Plant Location 1.4 C2250

System

Equipment No SV2301-29
Description SOLENOID VALVE M243
Plant Location 1.3

System

Equipment No SV2301-30
Description SOV FOR A02301-30 M243
Plant Location 1.3

System

Equipment No SV2301-31
Description SOV FOR A02301-31 M243
Plant Location 1.3

System

Equipment No SV2301-32
Description HPCI
Plant Location 1.3

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** HPCI SYSTEM COMPONENTS *** PAGE 49

System	HPCI			
Equipment No	SV2301-64			
Description	SOLENOID VALVE	M244		
Plant Location	1.0			
System	HPCI			
Equipment No	SV2301-65			
Description	SOV FOR A02301-65	M244		
Plant Location	1.3			
System	HPCI			
Equipment No	SV2301-9312			
Description	SOLENOID VALVE FOR AO 9312	M243		
Plant Location	1.3			
System	HPCI			
Equipment No	SV2301-9313			
Description	SOLENOID VALVE FOR AO 9313	M243		
Plant Location	1.3			
System	HPCI			
Equipment No	SV2301-94			
Description	SOLENOID VALVE	M243		
Plant Location	STEAM TUNNEL			
System	HPCI			
Equipment No	TS2370C			
Description	TEMPERATURE SWITCH	M243		
Plant Location	1.10	IN HV DUCT FROM HPCI VW ROOM		
System	HPCI			
Equipment No	TS2370D			
Description	TEMPERATURE SWITCH	M243		
Plant Location	1.10	IN HV DUCT FROM HPCI VW ROOM		
System	HPCI			
Equipment No	TS2371A			
Description	TEMPERATURE SWITCH	M243		
Plant Location	1.2	IN HV DUCT FROM HPCI PP ROOM		
System	HPCI			
Equipment No	TS2371B			
Description	TEMPERATURE SWITCH	M243		
Plant Location	1.2	IN HV DUCT FROM HPCI PP ROOM		
System	HPCI			
Equipment No	TS2371C			
Description	TEMPERATURE SWITCH	M243		
Plant Location	1.10A	IN HV DUCT FROM TORUS AREA		
System	HPCI			
Equipment No	TS2371D			
Description	TEMPERATURE SWITCH	M243		
Plant Location	1.10A	IN HV DUCT FROM TORUS AREA		

POOR ORIGINAL

System * HPCI
 Equipment No TS2372C
 Description TEMPERATURE SWITCH M243
 Plant Location 1.10 IN HV DUCT FROM HPCI VV ROOM

System HPCI
 Equipment No TS2372D
 Description TEMPERATURE SWITCH M243
 Plant Location 1.10 IN HV DUCT FROM HPCI VV ROOM

System HPCI
 Equipment No TS2373A
 Description TEMPERATURE SWITCH M243
 Plant Location 1.2 IN HV DUCT FROM HPCI PP ROOM

System HPCI
 Equipment No TS2373B
 Description TEMPERATURE SWITCH M243
 Plant Location 1.2 IN DUCT FROM HPCI PP ROOM

System HPCI
 Equipment No TS2373C
 Description TEMPERATURE SWITCH M243
 Plant Location 1.10A IN HV DUCT FROM TORUS AREA

System HPCI
 Equipment No TS2373D
 Description TEMPERATURE SWITCH M243
 Plant Location 1.10A IN HV DUCT FROM TORUS AREA

System	HPCI via CORE SPRAY
Equipment No	PS1001-90A
Description	PRESSURE SWITCH M241
Plant Location	1.14 C129B

System	HPCI via CORE SPRAY
Equipment No	PS1001-90B
Description	PRESSURE SWITCH M241
Plant Location	1.12 C2206

System	HPCI via CORE SPRAY
Equipment No	PS1001-90C
Description	PRESSURE SWITCH M241
Plant Location	1.14 C129A

System	HPCI via CORE SPRAY
Equipment No	PS1001-90D
Description	PRESSURE SWITCH M241
Plant Location	1.12 C2206

System	HPCI via RHR
Equipment No	LIS263-72A
Description	LEVEL INDICATING SWITCH M253
Plant Location	1 11 C2205

System	HPCI via RHR
Equipment No	LIS263-72B
Description	LEVEL INDICATING SWITCH M253
Plant Location	1 12 C2206

System	HPCI via RHR
Equipment No	LIS263-72C
Description	LEVEL INDICATING SWITCH M253
Plant Location	1 11 C2205

System	HPCI via RHR
Equipment No	LIS263-72D
Description	LEVEL INDICATING SWITCH M253
Plant Location	1 12 C2206

System	HVAC ECCS UNIT COOLERS
Equipment No	C61A
Description	REACTOR BLDG H&V CONTROL PANEL
Plant Location	1.9

System	HVAC ECCS UNIT COOLERS
Equipment No	C61B
Description	REACTOR BUILDING H&V CONTROL PANEL
Plant Location	1.9

System	HVAC ECCS UNIT COOLERS
Equipment No	TSD-41
Description	THERMOSTAT M282
Plant Location	1.5

System	HVAC ECCS UNIT COOLERS
Equipment No	TSD-42
Description	THERMOSTAT M282
Plant Location	1.5

System	HVAC ECCS UNIT COOLERS
Equipment No	TSD-43
Description	THERMOSTAT M282
Plant Location	1.3

System	HVAC ECCS UNIT COOLERS
Equipment No	TSD-44
Description	THERMOSTAT M282
Plant Location	1.3

System	HVAC ECCS UNIT COOLERS
Equipment No	TSD-45
Description	THERMOSTAT M282
Plant Location	1.1

System	HVAC ECCS UNIT COOLERS
Equipment No	TSD-46
Description	THERMOSTAT M282
Plant Location	1.1

System	HVAC ECCS UNIT COOLERS
Equipment No	TSD-47
Description	THERMOSTAT M282
Plant Location	1.2

System	HVAC ECCS UNIT COOLERS
Equipment No	TSD-48
Description	THERMOSTAT M282
Plant Location	1.2

System	HVAC ECCS UNIT COOLERS
Equipment No	VAC201A
Description	HPCI UNIT COOLER M215
Plant Location	1.3

POOR ORIGINAL

System	HVAC ECCS UNIT COOLERS
Equipment No	VAC201B
Description	HPIC UNIT COOLER M215
Plant Location	1 3

System	HVAC ECCS UNIT COOLERS
Equipment No	VAC204A
Description	RHR UNIT COOLER M215
Plant Location	1 1

System	HVAC ECCS UNIT COOLERS
Equipment No	VAC204B
Description	RHR UNIT COOLER M215
Plant Location	1 1

System	HVAC ECCS UNIT COOLERS
Equipment No	VAC204C
Description	RHR UNIT COOLER M215
Plant Location	1 2

System	HVAC ECCS UNIT COOLERS
Equipment No	VAC204D
Description	RHR UNIT COOLER M215
Plant Location	1 2

System POST ACCIDENT SAMPLING
Equipment No SV5065-63
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location 1 10

System POST ACCIDENT SAMPLING
Equipment No SV5065-64
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location 1 10

System POST ACCIDENT SAMPLING
Equipment No SV5065-65
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location TORUS

System POST ACCIDENT SAMPLING
Equipment No SV5065-66
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location TORUS

System POST ACCIDENT SAMPLING
Equipment No SV5065-67
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location 1 11

System POST ACCIDENT SAMPLING
Equipment No SV5065-68
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location 1 11

System POST ACCIDENT SAMPLING
Equipment No SV5065-69
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location TORUS

System POST ACCIDENT SAMPLING
Equipment No SV5065-70
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location TORUS

System POST ACCIDENT SAMPLING
Equipment No SV5065-71
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location TORUS

System POST ACCIDENT SAMPLING
Equipment No SV5065-72
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location TORUS

System POST ACCIDENT SAMPLING
Equipment No SV5065-73
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location 1 12

POOR ORIGINAL

System	POST ACCIDENT SAMPLING
Equipment No	SV5065-74
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location	1 12

System	POST ACCIDENT SAMPLING
Equipment No	SV5065-75
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location	TORUS

System	POST ACCIDENT SAMPLING
Equipment No	SV5065-76
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location	TORUS

System	POST ACCIDENT SAMPLING
Equipment No	SV5065-77
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location	TORUS

System	POST ACCIDENT SAMPLING
Equipment No	SV5065-78
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location	TORUS

System	POST ACCIDENT SAMPLING
Equipment No	SV5065-79
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location	TORUS

System	POST ACCIDENT SAMPLING
Equipment No	SV5065-80
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location	TORUS

System	POST ACCIDENT SAMPLING
Equipment No	SV5065-81
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location	TORUS

System	POST ACCIDENT SAMPLING
Equipment No	SV5065-82
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location	TORUS

System	POST ACCIDENT SAMPLING
Equipment No	SV5065-83
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location	TORUS

System	POST ACCIDENT SAMPLING
Equipment No	SV5065-84
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location	TORUS

System	POST ACCIDENT SAMPLING
--------	------------------------

Equipment No SV5065-85
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location 1.9

System POST ACCIDENT SAMPLING

Equipment No SV5065-86
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
Plant Location 1.9

System POST ACCIDENT SAMPLING

Equipment No T1
Description HEAT TRACING FOR BWR CNRM GAS MONITORING & POST ACCIDENT SAMPLING SAMPLE LINES
Plant Location VARIOUS

System	RBCCW
Equipment No	MD4002
Description	MOTOR OPERATOR 6-29 GATE VALVE M215
Plant Location	TORUS AREA

System	RBCCW
Equipment No	MD4010A
Description	MOTOR OPERATOR 12-29 GATE VALVE M215
Plant Location	1 2

System	RBCCW
Equipment No	MD4010A
Description	MOTOR OPERATOR 12-29 GATE VALVE M215
Plant Location	1 2

System	RBCCW
Equipment No	MD4060A
Description	MOTOR OPERATOR 12-29 GATE VALVE M215
Plant Location	1 1

System	RBCCW
Equipment No	MD4060B
Description	MOTOR OPERATOR 12-29 GATE VALVE M215
Plant Location	1.1

System	RBCCW
Equipment No	SV4044A
Description	AIR OPERATOR SOLENOID VALVE M215
Plant Location	1.3

System	RBCCW
Equipment No	SV4044B
Description	AIR OPERATOR SOLENOID VALVE M215
Plant Location	1.3

System	RHR
Equipment No	DPIS1001-79A
Description	DIFFERENTIAL PRESSURE SWITCH M241
Plant Location	1.1 LOCAL MNTD

System	RHR
Equipment No	DPIS1001-79B
Description	DIFFERENTIAL PRESSURE SWITCH M241
Plant Location	1.2 LOCAL MNTD

System	RHR
Equipment No	DPIS261-12A
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.9 C2251

System	RHR
Equipment No	DPIS261-12B
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.9 C2251

System	RHR
Equipment No	DPIS261-12C
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.2 LOCAL MNTD

System	RHR
Equipment No	DPIS261-12D
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.8 LOCAL MNTD

System	RHR
Equipment No	DPIS261-36A
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.8 C2207

System	RHR
Equipment No	DPIS261-36B
Description	DIFF. PRESSURE INDICATOR SWITCH M252
Plant Location	1.8 C2207

System	RHR
Equipment No	DPIS261-37A
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.8 C2207

System	RHR
Equipment No	DPIS261-37B
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.8 C2207

System	RHR
Equipment No	DPIS261-38A
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
Plant Location	1.8 C2207

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** RHR SYSTEM COMPONENTS *** PAGE 60

System RHR
 Equipment No DP18261-388
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 Plant Location 1.8 C2207

System RHR
 Equipment No DP15261-39A
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 Plant Location 1.8 C2207

System RHR
 Equipment No DP18261-39B
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 Plant Location 1.8 C2207

System RHR
 Equipment No LIS263-72A
 Description LEVEL INDICATING SWITCH M253
 Plant Location 1.11 C2205

System RHR
 Equipment No LIS263-72B
 Description LEVEL INDICATING SWITCH M253
 Plant Location 1.12 C2206

System RHR
 Equipment No LIS263-72C
 Description LEVEL INDICATING SWITCH M253
 Plant Location 1.11 C2205

System RHR
 Equipment No LIS263-72D
 Description LEVEL INDICATING SWITCH M253
 Plant Location 1.12 C2206

System RHR
 Equipment No LIS263-73A
 Description LEVEL INDICATING TRANS SWITCH M253
 Plant Location 1.9 C2231

System RHR
 Equipment No LIS263-73B
 Description LEVEL INDICATING TRANS SWITCH M253
 Plant Location 1.10 C2253

System RHR
 Equipment No MD1001-16A
 Description MOTOR OPERATOR 18-M139 VALVE M241
 Plant Location 1.1

System RHR
 Equipment No MD1001-16B
 Description MOTOR OPERATOR 18-M139 VALVE M241
 Plant Location 1.2

System RHR

Equipment No	MO1001-18A
Description	MOTOR OPERATOR 3-N26M4 VALVE M241
Plant Location	1 1
System	RHR
Equipment No	MO1001-18B
Description	MOTOR OPERATOR 3-N26M4 VALVE M241
Plant Location	1 2
System	RHR
Equipment No	MO1001-21
Description	MOTOR OPERATOR 4-N26 VALVE M241
Plant Location	1 8
System	RHR
Equipment No	MO1001-23A
Description	MOTOR OPERATOR 10-N26M4 VALVE M241
Plant Location	1 11A
System	RHR
Equipment No	MO1001-23B
Description	MOTOR OPERATOR 10-N26M4 VALVE M241
Plant Location	1 10A
System	RHR
Equipment No	MO1001-26A
Description	MOTOR OPERATOR 10-N26M4 VALVE M241
Plant Location	1 11A
System	RHR
Equipment No	MO1001-26B
Description	MOTOR OPERATOR 10-N26M4 VALVE M241
Plant Location	1 10A
System	RHR
Equipment No	MO1001-28A
Description	MOTOR OPERATOR 18-N136SP66 VALVE M241
Plant Location	1 9A
System	RHR
Equipment No	MO1001-28B
Description	MOTOR OPERATOR 18-N136SP66 VALVE M241
Plant Location	1 10B
System	RHR
Equipment No	MO1001-29A
Description	MOTOR OPERATOR 18-N14SP66M3 VALVE M241
Plant Location	1 9A
System	RHR
Equipment No	MO1001-29B
Description	MOTOR OPERATOR 18-N14SP66M3 VALVE M241
Plant Location	1 10B
System	RHR
Equipment No	MO1001-32

Description Plant Location MOTOR OPERATOR 4-N26 VALVE M241
1 8

System RHR
Equipment No MO1001-34A
Description MOTOR OPERATOR 12-N26 VALVE M241
Plant Location 1 1

System RHR
Equipment No MO1001-34B
Description MOTOR OPERATOR 12-N26 VALVE M241
Plant Location 1 2

System RHR
Equipment No MO1001-36A
Description MOTOR OPERATOR 12-N139M4 VALVE M241
Plant Location 1 1

System RHR
Equipment No MO1001-36B
Description MOTOR OPERATOR 12-N139M4 VALVE M241
Plant Location 1 2

System RHR
Equipment No MO1001-37A
Description MOTOR OPERATOR 6-N139M4 VALVE M241
Plant Location 1 1

System RHR
Equipment No MO1001-37B
Description MOTOR OPERATOR 6-N139M4 VALVE M241
Plant Location 1 2

System RHR
Equipment No MO1001-43A
Description MOTOR OPERATOR 18-N29 VALVE M241
Plant Location 1 1

System RHR
Equipment No MO1001-43B
Description MOTOR OPERATOR 18-N29 VALVE M241
Plant Location 1 2

System RHR
Equipment No MO1001-43C
Description MOTOR OPERATOR 18-N29 VALVE M241
Plant Location 1 1

System RHR
Equipment No MO1001-43D
Description MOTOR OPERATOR 18-N29 VALVE M241
Plant Location 1 2

System RHR
Equipment No MO1001-47
Description MOTOR OPERATOR 20-N14M4 VALVE M241

Plant Location	1 9A
System	RHR
Equipment No	MO1001-50
Description	MOTOR OPERATOR 20-N14M3 VALVE M241
Plant Location	1 30
System	RHR
Equipment No	MO1001-60
Description	MOTOR OPERATOR 4-N14M4 VALVE M241
Plant Location	1 12
System	RHR
Equipment No	MO1001-63
Description	MOTOR OPERATOR 4-N14M3 VALVE M241
Plant Location	1 30
System	RHR
Equipment No	MO1001-7A
Description	MOTOR OPERATOR 18-N29M4 VALVE M241
Plant Location	1 1
System	RHR
Equipment No	MO1001-7B
Description	MOTOR OPERATOR 18-N29M4 VALVE M241
Plant Location	1 2
System	RHR
Equipment No	MO1001-7C
Description	MOTOR OPERATOR 18-N29M4 VALVE M241
Plant Location	1 1
System	RHR
Equipment No	MO1001-7D
Description	MOTOR OPERATOR 18-N29M4 VALVE M241
Plant Location	1 2
System	RHR
Equipment No	MO202-5A
Description	MOTOR OPERATOR 28 GATE VALVE M252
Plant Location	1 30
System	RHR
Equipment No	MO202-5B
Description	MOTOR OPERATOR 28 GATE VALVE
Plant Location	1 30
System	RHR
Equipment No	P203A
Description	RHR PUMP M241
Plant Location	1 1
System	RHR
Equipment No	P203B
Description	RHR PUMP M241
Plant Location	1 2

POOR ORIGINAL

System	RHR		
Equipment No	P203C		
Description	RHR PUMP	M241	
Plant Location	1.1		
System	RHR		
Equipment No	P203D		
Description	RHR PUMP	M241	
Plant Location	1.2		
System	RHR		
Equipment No	PS1001-104A		
Description	PRESSURE SWITCH	M241	
Plant Location	1.1 LOCAL MNTD		
System	RHR		
Equipment No	PS1001-104B		
Description	PRESSURE SWITCH	M241	
Plant Location	1.2 LOCAL MNTD		
System	RHR		
Equipment No	PS1001-104C		
Description	PRESSURE SWITCH	M241	
Plant Location	1.1 LOCAL MNTD		
System	RHR		
Equipment No	PS1001-104D		
Description	PRESSURE SWITCH	M241	
Plant Location	1.2 LOCAL MNTD		
System	RHR		
Equipment No	PS1001-83A		
Description	PRESSURE SWITCH	M241	
Plant Location	1.14 C129A		
System	RHR		
Equipment No	PS1001-83B		
Description	PRESSURE SWITCH	M241	
Plant Location	1.12 C2206		
System	RHR		
Equipment No	PS1001-83C		
Description	PRESSURE SWITCH	M241	
Plant Location	1.14 C129A		
System	RHR		
Equipment No	PS1001-83D		
Description	PRESSURE SWITCH	M241	
Plant Location	1.12 C2206		
System	RHR		
Equipment No	PS1001-89A		
Description	PRESSURE SWITCH	M241	
Plant Location	1.14 C129B		

System	RHR
Equipment No	PS1001-89B
Description	PRESSURE SWITCH M241
Plant Location	1 12 C2206

System	RHR
Equipment No	PS1001-89C
Description	PRESSURE SWITCH M241
Plant Location	1 14 C129A

System	RHR
Equipment No	PS1001-89D
Description	PRESSURE SWITCH M241
Plant Location	1 12 C2206

System	RHR
Equipment No	PS1001-90A
Description	PRESSURE SWITCH M241
Plant Location	1 14 C129B

System	RHR
Equipment No	PS1001-90B
Description	PRESSURE SWITCH M241
Plant Location	1 12 C2206

System	RHR
Equipment No	PS1001-90C
Description	PRESSURE SWITCH M241
Plant Location	1 14 C129A

System	RHR
Equipment No	PS1001-90D
Description	PRESSURE SWITCH M241
Plant Location	1 12 C2206

System	RHR
Equipment No	PS1001-93A
Description	PRESSURE SWITCH M241
Plant Location	1 1 LOCAL MNTD

System	RHR
Equipment No	PS1001-93B
Description	PRESSURE SWITCH M241
Plant Location	1 2 LOCAL MNTD

System	RHR
Equipment No	PS1001-93C
Description	PRESSURE SWITCH M241
Plant Location	1 1 LOCAL MNTD

System	RHR
Equipment No	PS1001-93D
Description	PRESSURE SWITCH M241
Plant Location	1 2 LOCAL MNTD

System	RHR
--------	-----

Equipment No PS261-23A
Description PRESSURE SWITCH M252
Plant Location 1.8 C2207

System RHR

Equipment No PS261-23B
Description PRESSURE SWITCH M252
Plant Location 1.8 C2207

System RHR

Equipment No PS263-49A
Description PRESSURE SWITCH M253
Plant Location 1.11 C2205

System RHR

Equipment No PS263-49B
Description PRESSURE SWITCH M253
Plant Location 1.12 C2206

System RHR

Equipment No PS263-50A
Description PRESSURE SWITCH M253
Plant Location 1.11 C2205

System RHR

Equipment No PS263-50B
Description PRESSURE SWITCH M253
Plant Location 1.12 C2206

System RHR

Equipment No PS263-52A
Description PRESSURE SWITCH M253
Plant Location 1.11 C2205

System RHR

Equipment No PS263-52B
Description PRESSURE SWITCH M253
Plant Location 1.12 C2206

System RHR

Equipment No PS263-53A
Description PRESSURE SWITCH M253
Plant Location 1.11 C2205

System RHR

Equipment No PS263-53B
Description PRESSURE SWITCH M253
Plant Location 1.12 C2206

System RHR

Equipment No SV1001-95A
Description SOLENOID VALVE FOR AD 1001-95A M241
Plant Location 1.30

System RHR

Equipment No SV1001-95B

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** RHR SYSTEM COMPONENTS *** PAGE 67

Description
Plant Location

SOLENOID VALVE FOR AO 1001-95B M241
1 30

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** RPS SYSTEM COMPONENTS *** PAGE 68

System RPS
 Equipment No A0203-1A
 Description FIRST ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 Plant Location 1 30

System RPS
 Equipment No A0203-1B
 Description FIRST ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 Plant Location 1 30

System RPS
 Equipment No A0203-1C
 Description FIRST ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 Plant Location 1 30

System RPS
 Equipment No A0203-1D
 Description FIRST ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252
 Plant Location 1 30

System RPS
 Equipment No A0203-2A
 Description SECOND ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252
 Plant Location STEAM TUNNEL

System RPS
 Equipment No A0203-2B
 Description SECOND ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 Plant Location STEAM TUNNEL

System RPS
 Equipment No A0203-2C
 Description SECOND ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 Plant Location STEAM TUNNEL

System RPS
 Equipment No A0203-2D
 Description SECOND ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 Plant Location STEAM TUNNEL

System RPS
 Equipment No C513AH
 Description SCRAM SOL FUSE PANEL
 Plant Location 1 9 1 10

System RPS
 Equipment No J212
 Description A0203-1A LIMIT SWITCH JUNCTION BOX
 Plant Location 1 30

System RPS
 Equipment No J213
 Description A0203-1B LIMIT SWITCH JUNCTION BOX
 Plant Location 1 30

System	RPS
Equipment No	J214
Description	A0203-1C LIMIT SWITCH JUNCTION BOX
Plant Location	1 30

System	RPS
Equipment No	J215
Description	A0203-1D LIMIT SWITCH JUNCTION BOX
Plant Location	1 30

System	RPS
Equipment No	LIS263-57A
Description	LEVEL INDICATING SWITCH M253
Plant Location	1 11 C2205

System	RPS
Equipment No	LIS263-57B
Description	LEVEL INDICATING SWITCH M253
Plant Location	1 11 C2205

System	RPS
Equipment No	LIS263-58A
Description	LEVEL INDICATING SWITCH M253
Plant Location	1 12 C2206

System	RPS
Equipment No	LIS263-58B
Description	LEVEL INDICATING SWITCH M253
Plant Location	1 12 C2206

System	RPS
Equipment No	PS263-51A
Description	PRESSURE SWITCH M253
Plant Location	1 11 C2205

System	RPS
Equipment No	PS263-51B
Description	PRESSURE SWITCH M253
Plant Location	1 11 LOCAL MNTD

System	RPS
Equipment No	PS263-51C
Description	PRESSURE SWITCH M253
Plant Location	1 12 C2206

System	RPS
Equipment No	PS263-51D
Description	PRESSURE SWITCH M253
Plant Location	1 12 C2206

System	RPS
Equipment No	PS263-51A
Description	PRESSURE SWITCH M253
Plant Location	1 11 C2205

System	RPS
--------	-----

POOR ORIGINAL

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** RPS SYSTEM COMPONENTS *** PAGE 70

Equipment No PS263-55B
Description PRESSURE SWITCH M253
Plant Location 1.11 C2205

System RPS
Equipment No PS263-55C
Description PRESSURE SWITCH M253
Plant Location 1.12 C2206

System RPS
Equipment No PS263-55D
Description PRESSURE SWITCH M253
Plant Location 1.12 C2206

System RPS
Equipment No PS503A
Description PRESSURE SWITCH M207
Plant Location 2.11A LOCAL MNTD

System RPS
Equipment No PS503B
Description PRESSURE SWITCH M207
Plant Location 2.11A LOCAL MNTD

System RPS
Equipment No PS503C
Description PRESSURE SWITCH M207
Plant Location 2.12A LOCAL MNTD

System RPS
Equipment No PS503D
Description PRESSURE SWITCH M207
Plant Location 2.12A LOCAL MNTD

System RPS
Equipment No PS504A
Description PRESSURE SWITCH M203
Plant Location 2.11 LOCAL MNTD

System RPS
Equipment No PS504B
Description PRESSURE SWITCH M203
Plant Location 2.11 LOCAL MNTD

System RPS
Equipment No PS504C
Description PRESSURE SWITCH M203
Plant Location 2.11 LOCAL MNTD

System RPS
Equipment No PS504D
Description PRESSURE SWITCH M203
Plant Location 2.12 LOCAL MNTD

System RPS
Equipment No PS512A

Description PRESSURE SWITCH M241
Plant Location 1 14 C129A

System RPS
Equipment No PS512B

Description PRESSURE SWITCH M241
Plant Location 1 14 C129B

System RPS
Equipment No PS512C

Description PRESSURE SWITCH M241
Plant Location 1 12 C2206

System RPS
Equipment No PS512D

Description PRESSURE SWITCH M241
Plant Location 1 12 C2206

POOR ORIGINAL

System SAFETY RELATED DISPLAY
 Equipment No A0220-44
 Description GLOBE VALVE AIR OPERATOR LIMIT SWITCHES M252
 Plant Location 1.30

System SAFETY RELATED DISPLAY
 Equipment No C118
 Description HYDROGEN ANALYZER A M239
 Plant Location 1.12

System SAFETY RELATED DISPLAY
 Equipment No C119
 Description HYDROGEN ANALYZER B M239
 Plant Location 1.11

System SAFETY RELATED DISPLAY
 Equipment No C172
 Description H2O2 ANALYZER
 Plant Location 1.14

System SAFETY RELATED DISPLAY
 Equipment No C173
 Description H2O2 ANALYZER
 Plant Location 1.14

System SAFETY RELATED DISPLAY
 Equipment No DP181459A
 Description DIFFERENTIAL PRESSURE SWITCH M242
 Plant Location 1.8 LOCAL MNTD

System SAFETY RELATED DISPLAY
 Equipment No DP181459B
 Description DIFFERENTIAL PRESSURE SWITCH M242
 Plant Location 1.8 LOCAL MNTD

System SAFETY RELATED DISPLAY
 Equipment No DPT1001-604A
 Description LEVEL TRANSMITTER
 Plant Location TORUS AREA

System SAFETY RELATED DISPLAY
 Equipment No DPT1001-604B
 Description LEVEL TRANSMITTER
 Plant Location TORUS AREA

System SAFETY RELATED DISPLAY
 Equipment No FT1461A
 Description FLOW TRANSMITTER
 Plant Location 1.1 C2201

System SAFETY RELATED DISPLAY
 Equipment No FT1461B
 Description FLOW TRANSMITTER
 Plant Location 1.2 C2269

System SAFETY RELATED DISPLAY
 Equipment No FT235B
 Description FLOW TRANSMITTER M243
 Plant Location 1 4 C2250

System SAFETY RELATED DISPLAY
 Equipment No J208
 Description A0203-1A LIMIT SWITCH JUNCTION BOX
 Plant Location 1 30

System SAFETY RELATED DISPLAY
 Equipment No J209
 Description A0203-1B LIMIT SWITCH JUNCTION BOX
 Plant Location 1 30

System SAFETY RELATED DISPLAY
 Equipment No J210
 Description A0203-1C LIMIT SWITCH JUNCTION BOX
 Plant Location 1 30

System SAFETY RELATED DISPLAY
 Equipment No J211
 Description A0203-1D LIMIT SWITCH JUNCTION BOX
 Plant Location 1 30

System SAFETY RELATED DISPLAY
 Equipment No LITS263-59A
 Description LEVEL TRANSMITTING SWITCH
 Plant Location 1 11 C2205

System SAFETY RELATED DISPLAY
 Equipment No LITS263-59B
 Description LEVEL TRANSMITTING SWITCH
 Plant Location 1 12 C2206

System SAFETY RELATED DISPLAY
 Equipment No LITS263-73A
 Description LEVEL INDICATING TRANS SWITCH M253
 Plant Location 1 9 C2251

System SAFETY RELATED DISPLAY
 Equipment No LITS263-73B
 Description LEVEL INDICATING TRANS SWITCH M253
 Plant Location 1 10 C2252

System SAFETY RELATED DISPLAY
 Equipment No LI5038
 Description LEVEL TRANSMITTER M241
 Plant Location TORUS AREA LOCAL MNTD

System SAFETY RELATED DISPLAY
 Equipment No LI5049
 Description LEVEL XMTR M227
 Plant Location TORUS AREA LOCAL MNTD

System SAFETY RELATED DISPLAY

Equipment No	LT646A
Description	LEVEL TRANSMITTER
Plant Location	1.11 C2205
System	SAFETY RELATED DISPLAY
Equipment No	LT646B
Description	LEVEL TRANSMITTER
Plant Location	1.12 C2206
System	SAFETY RELATED DISPLAY
Equipment No	PT1001-600A
Description	PRESSURE TRANSMITTER
Plant Location	1.14
System	SAFETY RELATED DISPLAY
Equipment No	PT1001-600B
Description	PRESSURE TRANSMITTER
Plant Location	1.14
System	SAFETY RELATED DISPLAY
Equipment No	PT1001-601A
Description	PRESSURE TRANSMITTER
Plant Location	1.14
System	SAFETY RELATED DISPLAY
Equipment No	PT1001-601B
Description	PRESSURE TRANSMITTER
Plant Location	1.14
System	SAFETY RELATED DISPLAY
Equipment No	PT647A
Description	PRESSURE XMTR
Plant Location	1.11 C2205
System	SAFETY RELATED DISPLAY
Equipment No	PT647B
Description	PRESSURE XMTR
Plant Location	1.12 C2206
System	SAFETY RELATED DISPLAY
Equipment No	PT9016
Description	PRESSURE TRANSMITTER M227
Plant Location	1.14
System	SAFETY RELATED DISPLAY
Equipment No	PT9017
Description	PRESSURE TRANSMITTER M227
Plant Location	1.12
System	SAFETY RELATED DISPLAY
Equipment No	PT9045
Description	PRESSURE TRANSMITTER
Plant Location	1.14
System	SAFETY RELATED DISPLAY
Equipment No	PT1001-600A
Description	PRESSURE TRANSMITTER
Plant Location	1.14

POOR ORIGINAL

Description	RADIATION DETECTOR
Plant Location	1 10
System	SAFETY RELATED DISPLAY
Equipment No	RE1001-606B
Description	RADIATION DETECTOR
Plant Location	1 10
System	SAFETY RELATED DISPLAY
Equipment No	RE1001-607A
Description	RADIATION DETECTOR
Plant Location	TORUS AREA
System	SAFETY RELATED DISPLAY
Equipment No	RE1001-607B
Description	RADIATION DETECTOR
Plant Location	TORUS AREA
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-14A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1 10
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-21A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1 10
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-24A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1 12
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-26A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1 12
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-31
Description	SOLENOID VALVE FOR CONTROL VALVE
Plant Location	M239
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-31B
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1 14
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-32
Description	SOLENOID VALVE FOR CONTROL VALVE
Plant Location	M239
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-33
Description	SOLENOID VALVE FOR CONTROL VALVE
Plant Location	M239

POOR ORIGINAL

Plant Location	1.12
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-33A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1.13
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-34
Description	SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location	1.12
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-35
Description	SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location	1.11
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-35B
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1.14
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-36
Description	SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location	1.11
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-37
Description	SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location	1.12
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-37A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
Plant Location	1.13
System	SAFETY RELATED DISPLAY
Equipment No	SV5065-38
Description	SOLENOID VALVE FOR CONTROL VALVE M239
Plant Location	1.12
System	SAFETY RELATED DISPLAY
Equipment No	TE5047
Description	TEMPERATURE ELEMENT (RTD) M227
Plant Location	TORUS AREA
System	SAFETY RELATED DISPLAY
Equipment No	TE5048
Description	TEMPERATURE ELEMENT M227
Plant Location	TORUS AREA

System	SEC CNTM ISOLATION		
Equipment No	LIS263-57A		
Description	LEVEL INDICATING SWITCH	M253	
Plant Location	1.11	C2205	

System	SEC CNTM ISOLATION		
Equipment No	LIS263-57B		
Description	LEVEL INDICATING SWITCH	M253	
Plant Location	1.11	C2205	

System	SEC CNTM ISOLATION		
Equipment No	LIS263-58A		
Description	LEVEL INDICATING SWITCH	M253	
Plant Location	1.12	C2206	

System	SEC CNTM ISOLATION		
Equipment No	LIS263-58B		
Description	LEVEL INDICATING SWITCH	M253	
Plant Location	1.12	C2206	

System	SEC CNTM ISOLATION		
Equipment No	PS512A		
Description	PRESSURE SWITCH	M241	
Plant Location	1.14	C129A	

System	SEC CNTM ISOLATION		
Equipment No	PS512B		
Description	PRESSURE SWITCH	M241	
Plant Location	1.14	C129B	

System	SEC CNTM ISOLATION		
Equipment No	PS512C		
Description	PRESSURE SWITCH	M241	
Plant Location	1.12	C2206	

System	SEC CNTM ISOLATION		
Equipment No	PS512D		
Description	PRESSURE SWITCH	M241	
Plant Location	1.12	C2206	

System	SEC CNTM ISOLATION		
Equipment No	SVL43		
Description	SOLENOID VALVE FOR AON78A:B	M283	
Plant Location	1.14A		

System	SEC CNTM ISOLATION		
Equipment No	SVL44		
Description	SOLENOID VALVE FOR AON 79A:B	M283	
Plant Location	1.14A		

System	SEC CNTM ISOLATION		
Equipment No	SVL45		
Description	SOLENOID VALVE FOR AON 80A:B	M283	
Plant Location	1.14B		

System SEC CNTM ISOLATION
 Equipment No SVL45
 Description SOLENOID VALVE FOR AON 81A'B M283
 Plant Location 1 14B

System SEC CNTM ISOLATION
 Equipment No SVL47
 Description SOLENOID VALVE FOR AON 82A'B M283
 Plant Location 1 16A

System SEC CNTM ISOLATION
 Equipment No SVL48
 Description SOLENOID VALVE FOR AON 83A'B M283
 Plant Location 1 16A

System SEC CNTM ISOLATION
 Equipment No SVL49
 Description SOLENOID VALVE FOR AON 90ABCD M283
 Plant Location 1 12

System SEC CNTM ISOLATION
 Equipment No SVL51
 Description SOLENOID VALVE FOR AON 92A'B M283
 Plant Location 1 23B

System SEC CNTM ISOLATION
 Equipment No SVL52
 Description SOLENOID VALVE FOR AON 93A'B M283
 Plant Location 1 23B

System SEC CNTM ISOLATION
 Equipment No SVL53
 Description SOLENOID VALVE FOR AON 95A'B M283
 Plant Location 1 23A

System SEC CNTM ISOLATION
 Equipment No SVL54
 Description SOLENOID VALVE FOR AON 94A'B M283
 Plant Location 1 23A

System SEC CNTM ISOLATION
 Equipment No SVL55
 Description SOLENOID VALVE FOR AON 96 M263
 Plant Location 1 12

System SEC CNTM ISOLATION
 Equipment No SVL56
 Description SOLENOID VALVE FOR AON 97 M283
 Plant Location 1 12

System SEC CNTM ISOLATION
 Equipment No SVL71
 Description SOLENOID VALVE FOR AON 114 M283
 Plant Location 1 10

System SEC CNTM ISOLATION

Equipment No SVL72
Description SOLENOID VALVE FOR AON115 M283
Plant Location 1 10

SEC CNTM ISOLATION

Equipment No SVL73
Description SOLENOID VALVE FOR AON116 M283
Plant Location 1 10

SEC CIITH ISOLATION

Equipment No SVL74
Description SOLENOID VALVE FOR AON117 M283
Plant Location 1 10

79-018 PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** STANDBY GAS TREATMENT SYSTEM COMPONENTS *** PAGE 80

System STANDBY GAS TREATMENT
 Equipment No C68
 Description STANDBY GAS TREATMENT FILTER UNIT A PANEL A PANEL A1
 Plant Location 1.23

System STANDBY GAS TREATMENT
 Equipment No C68A
 Description STANDBY GAS TREATMENT FILTER UNIT A PANEL A PANEL A1
 Plant Location 1.23

System STANDBY GAS TREATMENT
 Equipment No C68B
 Description STANDBY GAS TREATMENT FILTER UNIT A PANEL A PANEL A2
 Plant Location 1.23

System STANDBY GAS TREATMENT
 Equipment No C69
 Description STANDBY GAS TREATMENT FILTER UNIT B PANEL B
 Plant Location 1.23

System STANDBY GAS TREATMENT
 Equipment No C69A
 Description STANDBY GAS TREATMENT FILTER UNIT B PANEL B1
 Plant Location 1.23

System STANDBY GAS TREATMENT
 Equipment No C498
 Description STANDBY GAS TREATMENT FILTER UNIT B PANEL B2
 Plant Location 1.23

System STANDBY GAS TREATMENT
 Equipment No MON109
 Description OUTLET DAMPER FOR VEX210A M294
 Plant Location 1.23

System STANDBY GAS TREATMENT
 Equipment No MON113
 Description OUTLET DAMPER FOR VEX210B M294
 Plant Location 1.23

System STANDBY GAS TREATMENT
 Equipment No PSB135
 Description PRESSURE SWITCH FAN CONTROL CKT M294
 Plant Location 1.23

System STANDBY GAS TREATMENT
 Equipment No PSB136
 Description PRESSURE SWITCH FAN CONTROL CKT M294
 Plant Location 1.23

System STANDBY GAS TREATMENT
 Equipment No S79007
 Description SOLENOID VALVE SPRINKLER SOV (S G T S) M294
 Plant Location 1.23

System	STANDBY GAS TREATMENT
Equipment No	SV9008
Description	SOLENOID VALVE SPRINKLER SOV (S.G.T.S.) (M294
Plant Location	1 23
System	STANDBY GAS TREATMENT
Equipment No	SVL43
Description	SOLENOID VALVE FOR AON78A/B M283
Plant Location	1 14A
System	STANDBY GAS TREATMENT
Equipment No	SVL44
Description	SOLENOID VALVE FOR AON 79A/B M283
Plant Location	1 14A
System	STANDBY GAS TREATMENT
Equipment No	SVL45
Description	SOLENOID VALVE FOR AON 80A/B M283
Plant Location	1 14B
System	STANDBY GAS TREATMENT
Equipment No	SVL46
Description	SOLENOID VALVE FOR AON 81A/B M283
Plant Location	1 14B
System	STANDBY GAS TREATMENT
Equipment No	SVL47
Description	SOLENOID VALVE FOR AON 82A/B M283
Plant Location	1 16A
System	STANDBY GAS TREATMENT
Equipment No	SVL48
Description	SOLENOID VALVE FOR AON 83A/B M283
Plant Location	1 16A
System	STANDBY GAS TREATMENT
Equipment No	SVL49
Description	SOLENOID VALVE FOR AON 84A/B M283
Plant Location	1 12
System	STANDBY GAS TREATMENT
Equipment No	SVL50
Description	SOLENOID VALVE FOR AON 85A/B M283
Plant Location	1 12
System	STANDBY GAS TREATMENT
Equipment No	SVL51
Description	SOLENOID VALVE FOR AON 86A/B M283
Plant Location	1 23B
System	STANDBY GAS TREATMENT
Equipment No	SVL52
Description	SOLENOID VALVE FOR AON 87A/B M283
Plant Location	1 23B
System	STANDBY GAS TREATMENT

79-018 PILGRIM UNIT 1 FINAL RESPONSE (11/80) *** STANDBY GAS TREATMENT SYSTEM COMPONENTS *** PAGE 82

Equipment No SVL53
 Description SOLENOID VALVE FOR AON95A/B M283
 Plant Location 1.23A

STANDBY GAS TREATMENT

System
 Equipment No SVL54
 Description SOLENOID VALVE FOR AON 94A/B M283
 Plant Location 1.23A

STANDBY GAS TREATMENT

System
 Equipment No SVL55
 Description SOLENOID VALVE FOR AON96 M283
 Plant Location 1.12

STANDBY GAS TREATMENT

System
 Equipment No SVL56
 Description SOLENOID VALVE FOR AON97 M283
 Plant Location 1.12

STANDBY GAS TREATMENT

System
 Equipment No SVL57
 Description SOLENOID VALVE FOR AON98
 Plant Location 1.10A

STANDBY GAS TREATMENT

System
 Equipment No SVL58
 Description SOLENOID VALVE FOR AON99
 Plant Location 1.10A

STANDBY GAS TREATMENT

System
 Equipment No SVL60
 Description SOLENOID VALVE FOR AON101
 Plant Location 1.10A

STANDBY GAS TREATMENT

System
 Equipment No SVL62
 Description SOLENOID VALVE FOR AON106
 Plant Location 1.10A

STANDBY GAS TREATMENT

System
 Equipment No SVL67
 Description SOLENOID VALVE FOR AON 108
 Plant Location 1.23

STANDBY GAS TREATMENT

System
 Equipment No SVL70
 Description SOLENOID VALVE FOR AON112
 Plant Location 1.23

STANDBY GAS TREATMENT

System
 Equipment No SVL71
 Description SOLENOID VALVE FOR AON114 M283
 Plant Location 1.10

STANDBY GAS TREATMENT

System
 Equipment No SVL72

Description SOLENOID VALVE FOR AON115 M283
Plant Location 1 10

System STANDBY GAS TREATMENT
Equipment No SVL73

Description SOLENOID VALVE FOR AON116 M283
Plant Location 1 10

System STANDBY GAS TREATMENT
Equipment No SVL74

Description SOLENOID VALVE FOR AON117 M283
Plant Location 1 10

System STANDBY GAS TREATMENT
Equipment No SVL77

Description SOLENOID VALVE FOR AON 135
Plant Location 1 23

System STANDBY GAS TREATMENT
Equipment No SVL78

Description SOLENOID VALVE FOR AON136
Plant Location 1 23

System STANDBY GAS TREATMENT
Equipment No SVL79

Description SOLENOID VALVE FOR AON 100
Plant Location 1 10A

System STANDBY GAS TREATMENT
Equipment No VEX210A

Description EXHAUST FAN
Plant Location 1 23

System STANDBY GAS TREATMENT
Equipment No VEX210B

Description EXHAUST FAN
Plant Location 1 23

System STANDBY GAS TREATMENT
Equipment No VGTF201A

Description STANDBY GAS TREATMENT FILTER UNIT A
Plant Location 1 23

System STANDBY GAS TREATMENT
Equipment No VGTF201B

Description STANDBY GAS TREATMENT FILTER UNIT B
Plant Location 1 23

HOSTILE ENVIRONMENTS - EVENT 39

For Event 39 the inside containment environmental profiles developed in the FSAR considered 2 limiting cases. 1) Environment due to DBE-LOCA and 2) Environments due to the envelope of smaller size breaks. The Drywell Pressure, Temperature, time curves for both cases are shown as Service Profiles (enclosed) 1a) (Reference FSAR Figures 14.0-31 & 32) and 1b) (Reference FSAR Amendment 20 Response to comment 5.2.1 Figures 5.2.1.2 thru 5.2.1.4). Gamma radiation exposure due to the DBE-LOCA using the assumptions given in TID-14844 were developed and are presented as FSAR Table 14.0.19 - enclosed. The fission product source terms postulated in TID-14844 are conservative considering that the core standby cooling systems are designed to protect against such gross fission product releases. Equipment capabilities were reviewed using these TID-14844 gamma dose levels. For cable, wire, and splices not contained within protective enclosures evaluations were conducted assuming a total integrated dose (beta and gamma) of 2×10^8 Rads.

No hostile environments (temperature, pressure, humidity) due to DBE-LOCA inside containment are experienced by safety related electrical equipment outside primary containment. Radiation levels due to LOCA at electrical equipment locations in the Reactor Building are significantly below the threshold values for most plastics, elastomers and insulating compounds. The integrated TID-14844 doses for a compartment containing a core spray pump and associated piping are given in Table 14.0.19 as 7.1×10^3 Rads. Based on these considerations, Reactor Building areas would not experience hostile environment due to Event 39. For the purposes of this evaluation equipment located in Reactor Building areas containing post-LOCA recirculation flow have been reviewed using the integrated contact dose for the surface of a 24 inch Schedule 80 pipe (Service Profile 2a). Unless otherwise indicated, the considered "Required" dose included radiation received during normal operation.

In response to NUREG-0578 Boston Edison is re-evaluating LOCA Radiation levels outside containment. If the results of this work indicate that the Table 14.0.19 levels are inappropriate, evaluations under 79-01B will be conducted to the revised levels.

HOSTILE ENVIRONMENTS - EVENT 41

The environmental effects of PBOC are considerably less severe than those generated by DBE-LOCA. The principal effects involve high humidity and short-term elevated temperatures. Radiation effects to electrical equipment are insignificant as are the effects of the short-term pressurizations.

For Event 41, no abnormal environments are experienced inside containment or in the Control Room areas. Effects on other plant areas were formally investigated and presented as Amendment 34 to Pilgrim #1 FSAR. The analysis as developed in that section was primarily concerned with structural and piping system capabilities and the effects of compartment pressurization, jet impingement and pipe whip. The temperature profiles developed by the analysis were extremely conservative particularly for areas removed from the actual breaks.

Those pipe breaks outside containment which create hostile environments are breaks in the Main Steam lines, HPCI Turbine Steam Lines, RCIC Turbine Steam Lines and RWCU System Piping. Closure of the MSIV's due to a steam line break will generate a reactor trip.

For breaks in the main steam system termination of blowdown will occur within 5.5 seconds. The maximum duration of blowdown for all other PBOC cases considered is less than 26 seconds. The arrangement of electrical equipment is such that, in general, only electrical equipment associated with the system within which the break occurs is located in break compartments. Because the affected system is disabled due to the hypothesized pipe break this equipment need not function.

For the other plant areas affected by these breaks the abnormal environments are of shorter duration and substantially lower temperatures. The short term abnormal environments experienced in these less affected areas are considered no more severe than those found in many areas of conventional power plants and industrial plants where similar devices have satisfactorily performed.

The inherent ability of these devices to tolerate short term transients can be established by recognizing that their active intervals are insulated from such short term effects by their enclosures and the conduit systems which interface with them. The capability of enclosures to provide such a level of protection has been well known. The NRC in NUREG-0456, "Short Term Assessment of the Environmental Qualification of Safety Related Electrical Equipment of SEP Operating Reactors", and in various licensing submittals has recognized this capability and acceptably reviewed equipment qualifications based on models which predicted the devices response to such short time events.

As the nuclear industry's experience in equipment qualifications has progressed, the emphasis on the demonstration of qualification has further shifted to type testing. Since that time, a significant amount of testing has been conducted on devices generically similar to those used at Pilgrim #1. The successful completion of these tests demonstrated the inherent ability of such devices to function during short term elevated temperatures and substantiates the engineering analysis previously conducted which predicted their acceptability.

The use of equipment at Pilgrim #1 identical to the type supplied to other BWR's by GE and the specification of generically similar equipment to that used throughout the industry for Balance of Plant equipment insures a capability consistent with other plants.

Boston Edison is proceeding with searches and evaluations of recent qualification testing applicable to Pilgrim #1 equipment exposed to PBOC environments. When documentation cannot be found which is applicable to the equipment at Pilgrim, scheduled replacement with type tested units will occur. In addition we have completed developing realistic environmental profiles for all plant areas affected by PBOC. The profiles are attached. These PBOC environmental profiles were developed using Bechtel Corporation's latest version of "FLUD". FLUD is one-dimensional computer code designed to handle problems dealing with gas flows between interconnected compartments. Basic equations of mass and energy conservation are used along with quasi-steady state flow equations to calculate the transfer of mass and energy among the various compartments that comprise the system. Long term compartment cooling is achieved by considering heat-transfer into compartment walls using appropriate heat-transfer mechanisms.

POOR ORIGINAL

Table 14.0.19
DOSE RATES FOR VARIOUS EQUIPMENT OR LOCATIONS BASED ON
TID-14844 FISSION PRODUCT RELEASE ASSUMPTIONS

Location or Equipment	Max Dose Rate (R/Hr)	Integrated Dose (Rad) For			
		12 Hours	3 Days	30 Days	180 Days
Surface 24 in. from 80-pipe	1.1×10^4	5.9×10^4	2.0×10^5	4.4×10^5	6.2×10^5
Interior Surface yard	7.8×10^2	3.8×10^4	9.4×10^4	1.8×10^5	2.6×10^5
Floor of Corner Comp. Containing or Spray Pump Seals	2.6×10^2	1.0×10^3	1.0×10^3	3.0×10^3	7.1×10^3
ump Seals	1.1×10^4	5.9×10^4	2.0×10^5	4.4×10^5	6.2×10^5
Secondary Containment Grd.	1.0×10^2	4.2×10^2	3.8×10^3	1.1×10^4	2.6×10^4
Refueling floor	4.2×10^2	1.7×10^3	1.6×10^4	4.5×10^4	1.1×10^5

I. SERVICE CONDITIONS

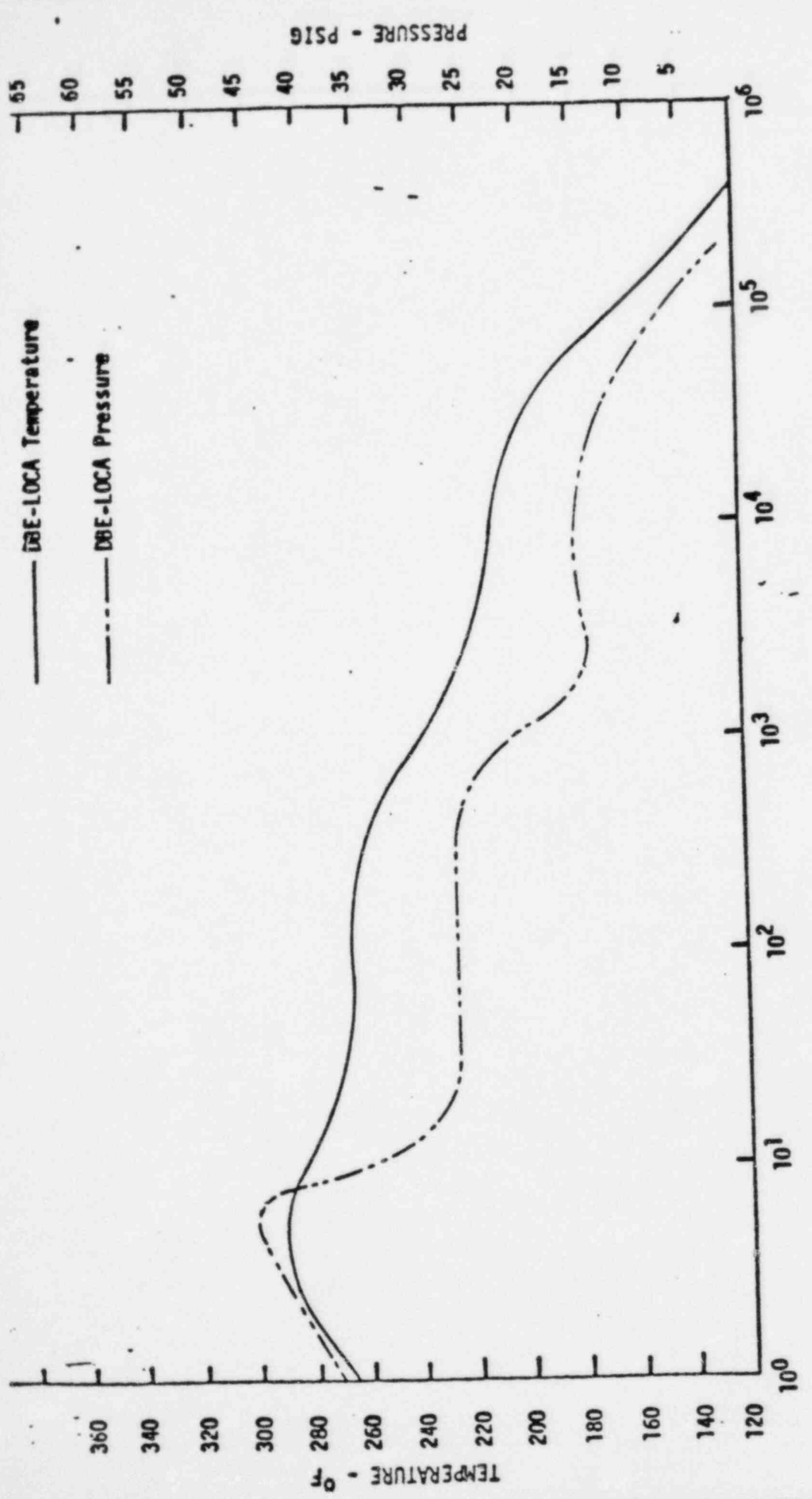
The attached curves provide the requested information for the following service condition:

<u>SERVICE PROFILE</u>	<u>CONDITION</u>
1a)	LOCA: In-containment Pressure and Temperature (Reference FSAR Fig. 14.0-31 & 32)
1b)	MSLB: In-containment Pressure and Temperature (Reference FSAR Amendment 20 Response to Comment 5.2.1 Fig. 5.2.1 through 5.2.1.4)
1c)	LOCA: In-containment Integrated Radiation (Reference FSAR Table 14.9.19)
2a)	LOCA: Surface 24 in. Sch. 80 pipe (Typical for outside containment line mounted components - MOV's; SOV's) Integrated Radiation. (Reference FSAR Table 14.0.19)
2b)	LOCA: Floor of corner compartment (Typical for other outside containment components with post-LOCA recirculation flow) Integrated Radiation (Reference FSAR Table 14.0.19)
PBOC-1	HPCI Line Break in HPCI Valve Station (Area - 1.10B): a) Pressure vs time (sec) b) Temperature vs time (min)
PBOC-2	RWCU Line Break in RWCU Compartment (Area - 1.11A): a) Pressure vs time (sec) b) Temperature vs time (min)
PBOC-3	HPCI Line Break in HPCI Pump Room (Area - 1.3): a) Pressure vs time (sec) b) Temperature vs time (min)
PBOC-4	RCIC Line Break in RCIC Valve Station (Area - 1.10A): a) Pressure vs time (sec) b) Temperature vs time (min)
PBOC-5A	HPCI Line Break in Torus Compartment - Case A (Area - Torus Area): a) Pressure vs time (sec) b) Temperature vs time (min)

<u>SERVICE PROFILE</u>	<u>CONDITION</u>
PBOC-5B	HPCI Line Break in Torus Compartment - Case B (Area - Torus Area): a) Pressure vs time (sec) b) Temperature vs time (min)
PBOC-6	RCIC Line Break in RCIC Pump Room (Area - 1.5): a) Pressure vs time (sec) b) Temperature vs time (min)
PBOC-7	Main Steam Line Break in Condenser Compartment (Area - 2.11 & 2.12) a) Pressure vs time (sec) b) Temperature vs time (min)
PBOC-8	Main Steam Line Break in Main Steam Tunnel (Area - Steam Tunnel): a) Pressure vs time (sec) b) Temperature vs time (min)

The PBOC effects are presented as a family of curves representing those areas considered as affected by the pipe breaks.

The curves have been prepared on a room by room basis. The environmental profile applicable to each component, can be found by finding the room number listed under plant location (e.g. 1.7) and consulting the Pressure and Temperature profile curves applicable to that room.

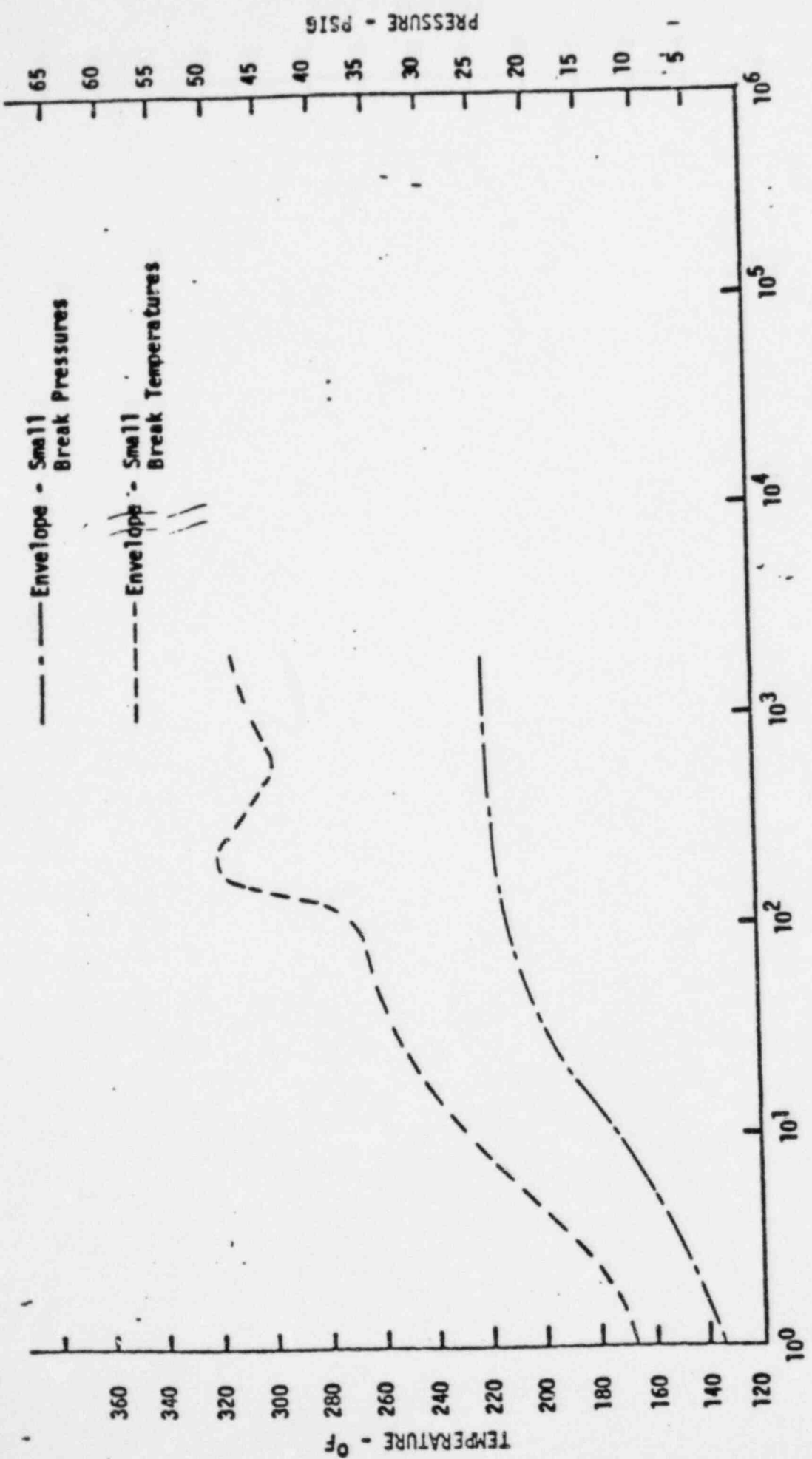


— DBE-LOCA Temperature
 - - - DBE-LOCA Pressure

TIME - SECONDS

PILGRIM UNIT #1 - DRYWELL PRESSURE-TEMPERATURE

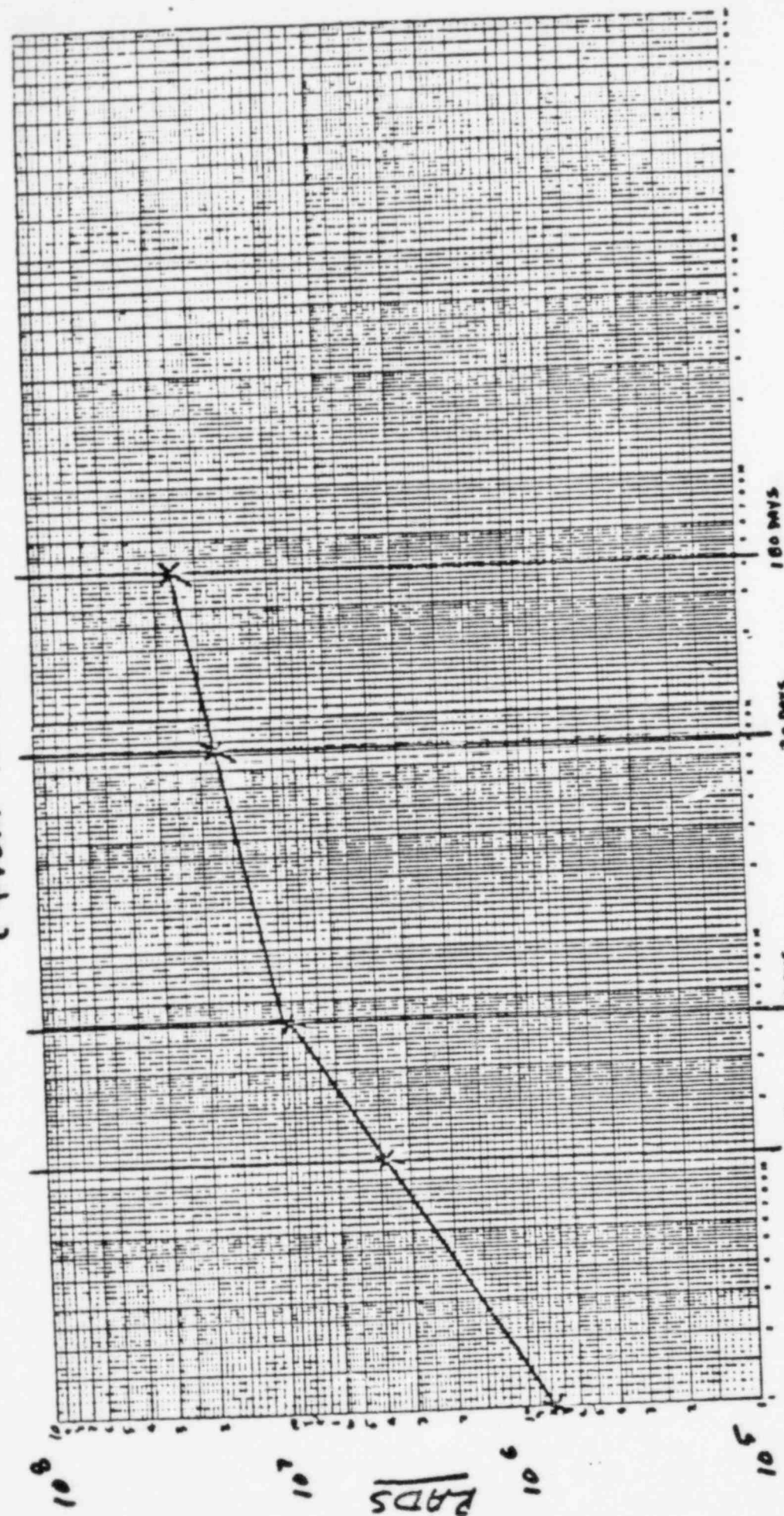
SERVICE PROFILE 1a)



PILGRIM UNIT #1 - DRYWELL PRESSURE-TEMPERATURE

SERVICE PROFILE 16)

LOWE INCHES
(FROM TABLE, 4, 19)



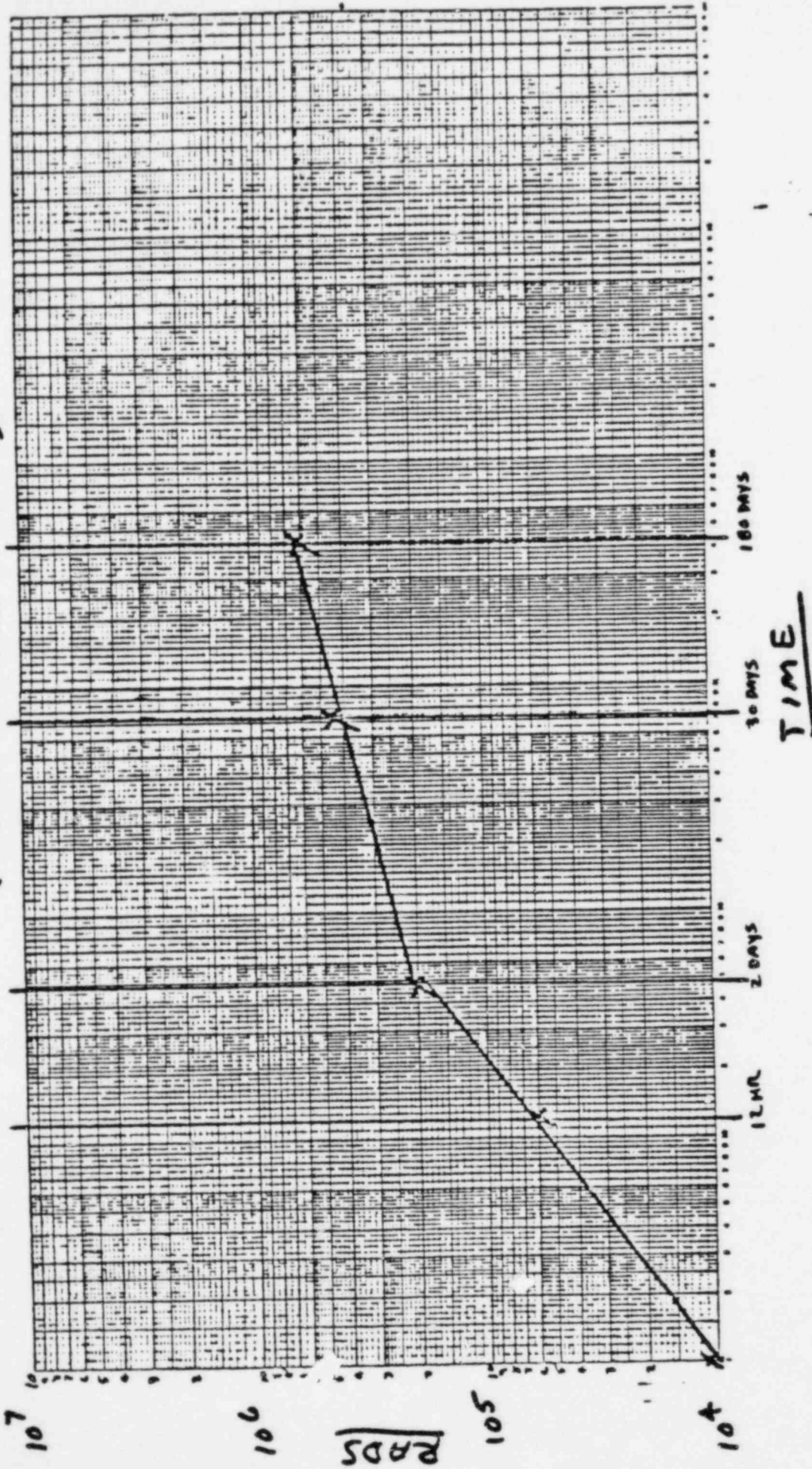
TIME

POOR ORIGINAL

INTERIOR SURFACE DRYWELL

SERVICE PROFILE JC

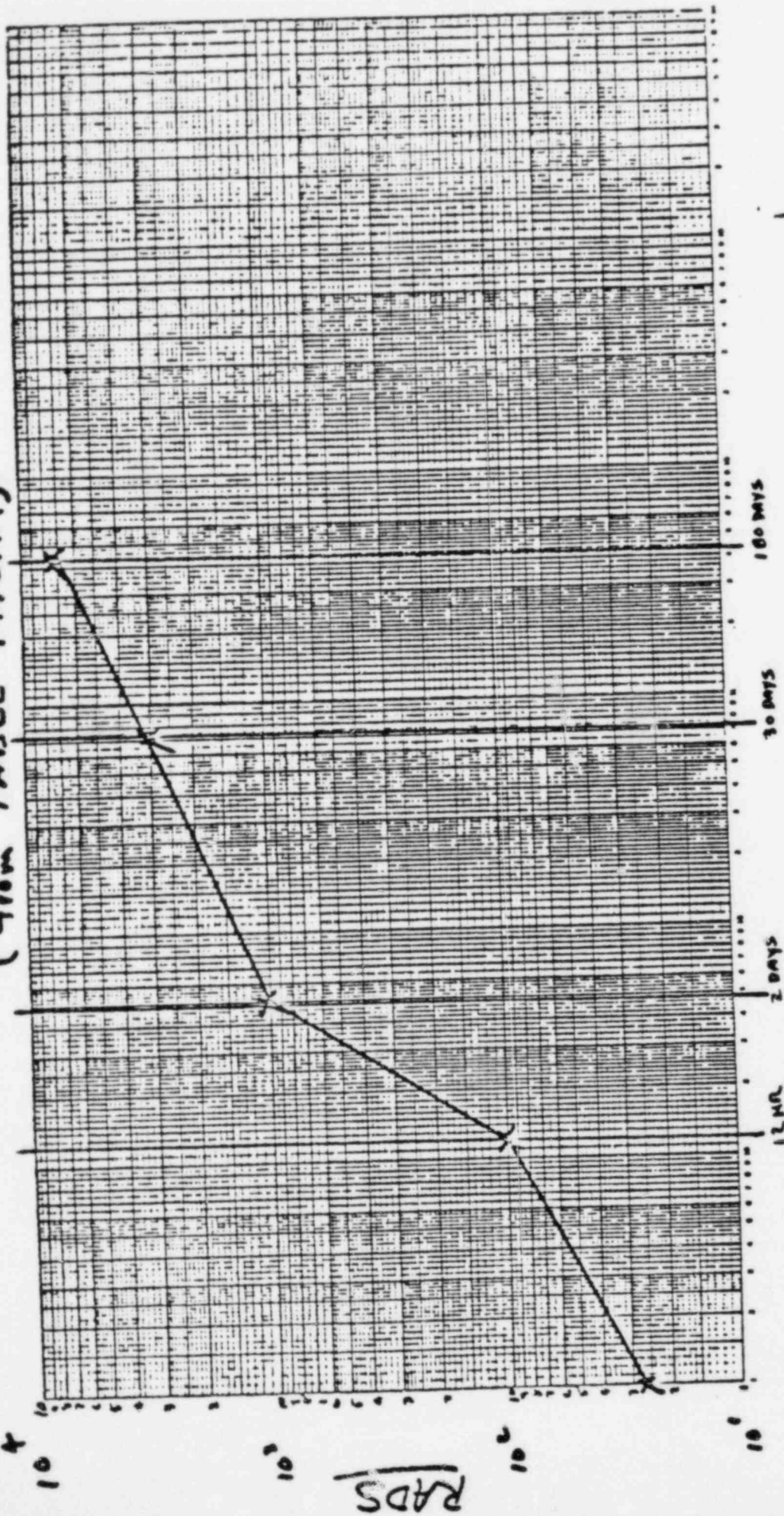
LOCA INTEGRATED DOSE
(from TABLE 19.0.19)



SURFACE 24 IN. SCH 80-PIPE

SERVICE PROFILE 2a)

LOCA INTEGRATED DOSE
(-from TABLE 14.0.19)



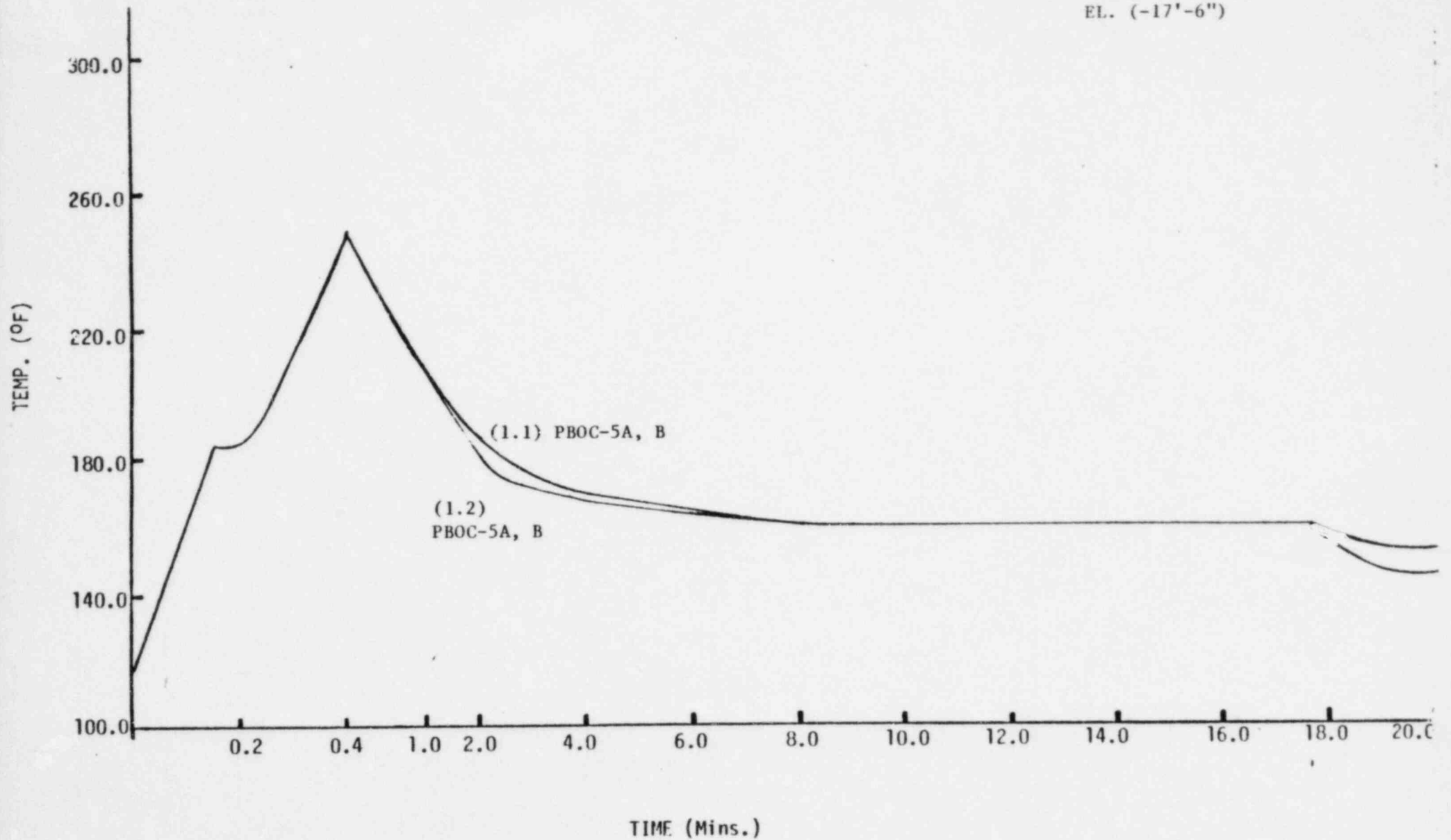
TIME

FLOOR OF CORNER COMPARTMENT CONTAINING
CORE SPRAY PUMP SEALS.
SERVICE PROFILE 2;

TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT

AREA - RHR AND CORE SPRAY PUMPS ROOM "A" (1.1)
RHR AND CORE SPRAY PUMPS ROOM "B" (1.2)

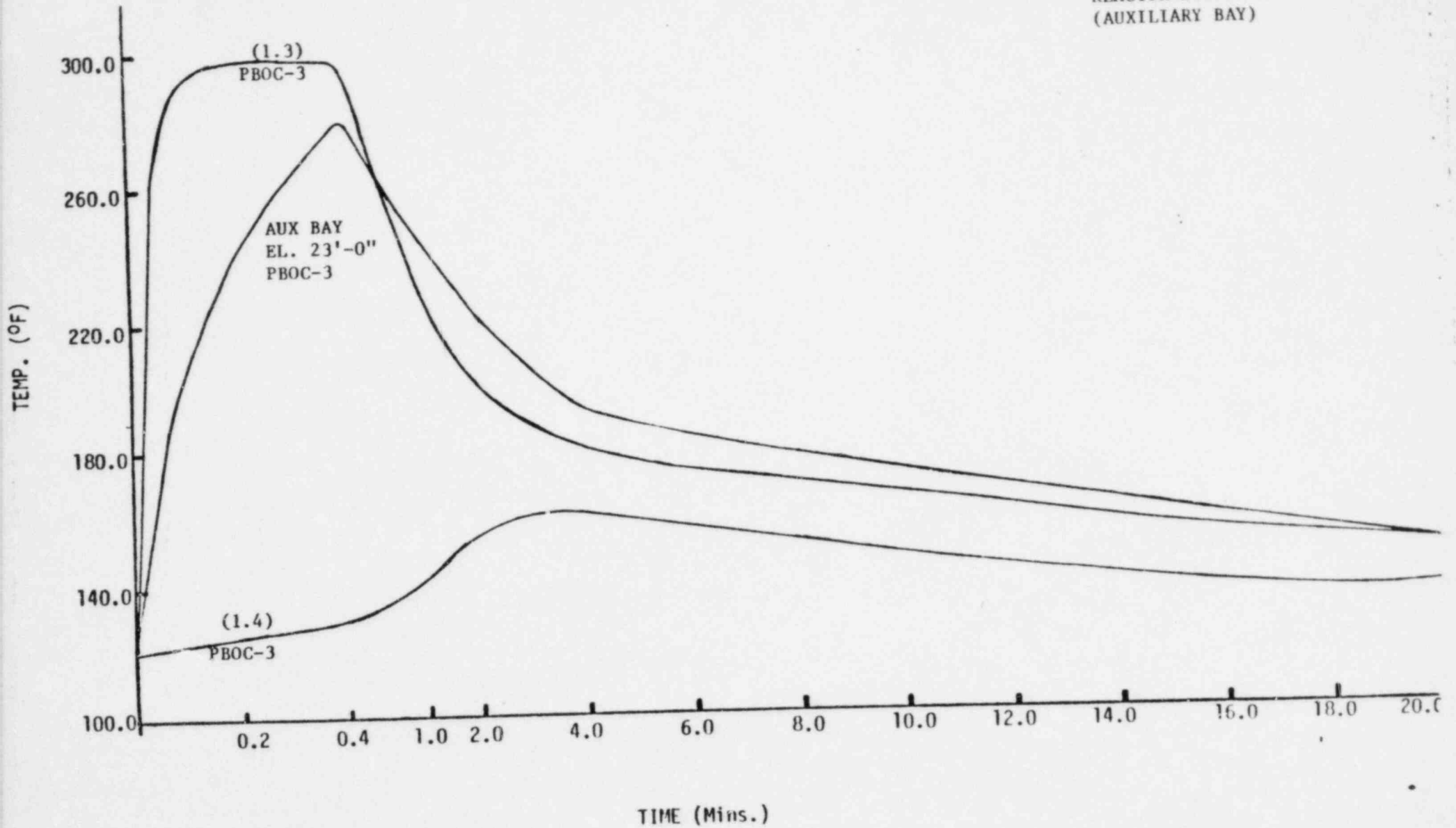
REACTOR BUILDING
EL. (-17'-6")



TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT

AREA - HPCI PUMP ROOM (1.3)
HPCI PANEL AND VALVE ROOM (1.4)
REACTOR BUILDING AUX BAY EL. 23'-0"

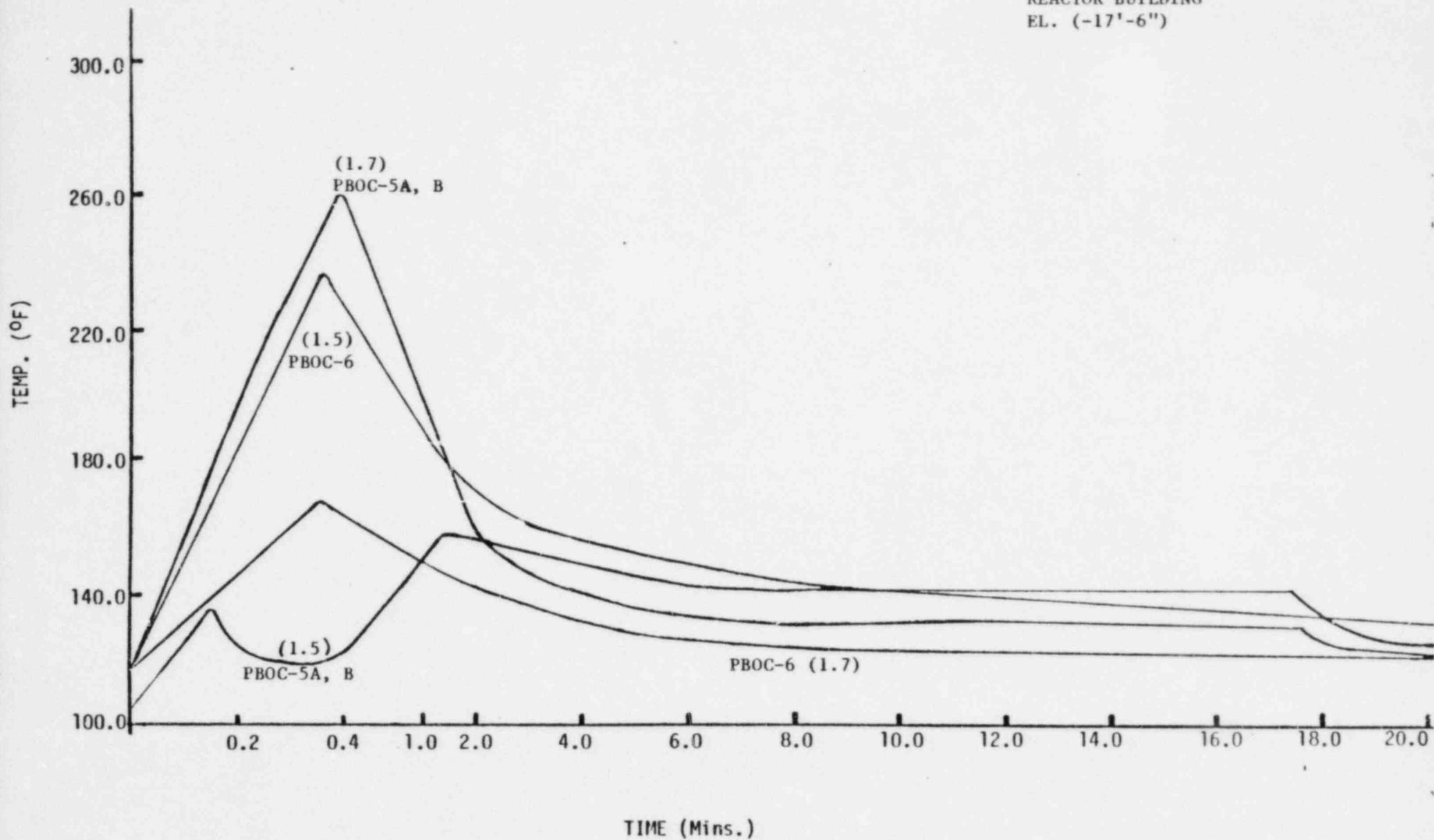
REACTOR BUILDING
(AUXILIARY BAY)



TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT

AREA - RCIC PUMP ROOM (1.5)
RCIC PUMP ROOM MEZZANINE (1.7)

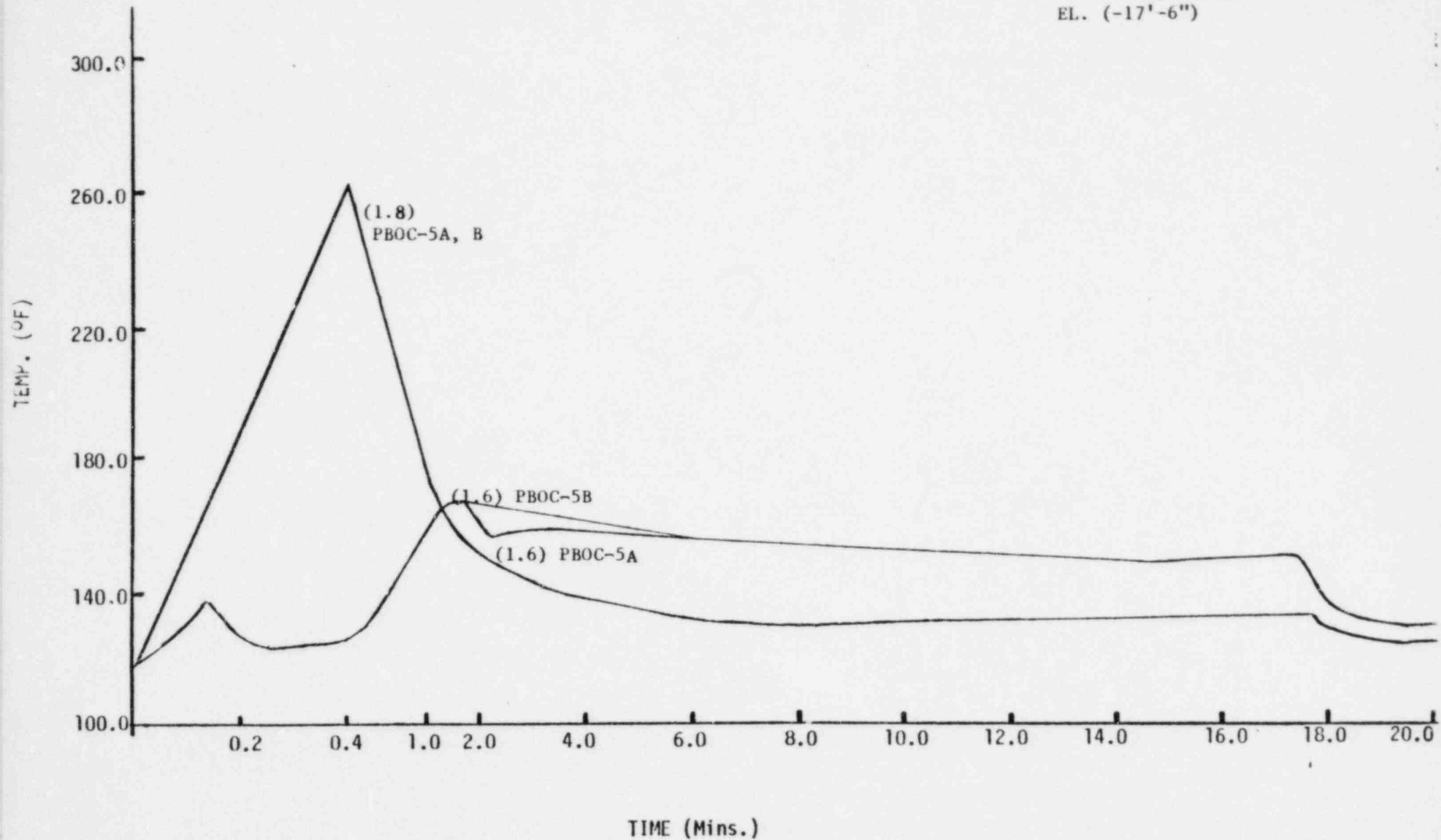
REACTOR BUILDING
EL. (-17'-6")



TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT

AREA - CRD PUMP ROOM (1.6)
CRD PUMP ROOM MEZZANINE (1.8)

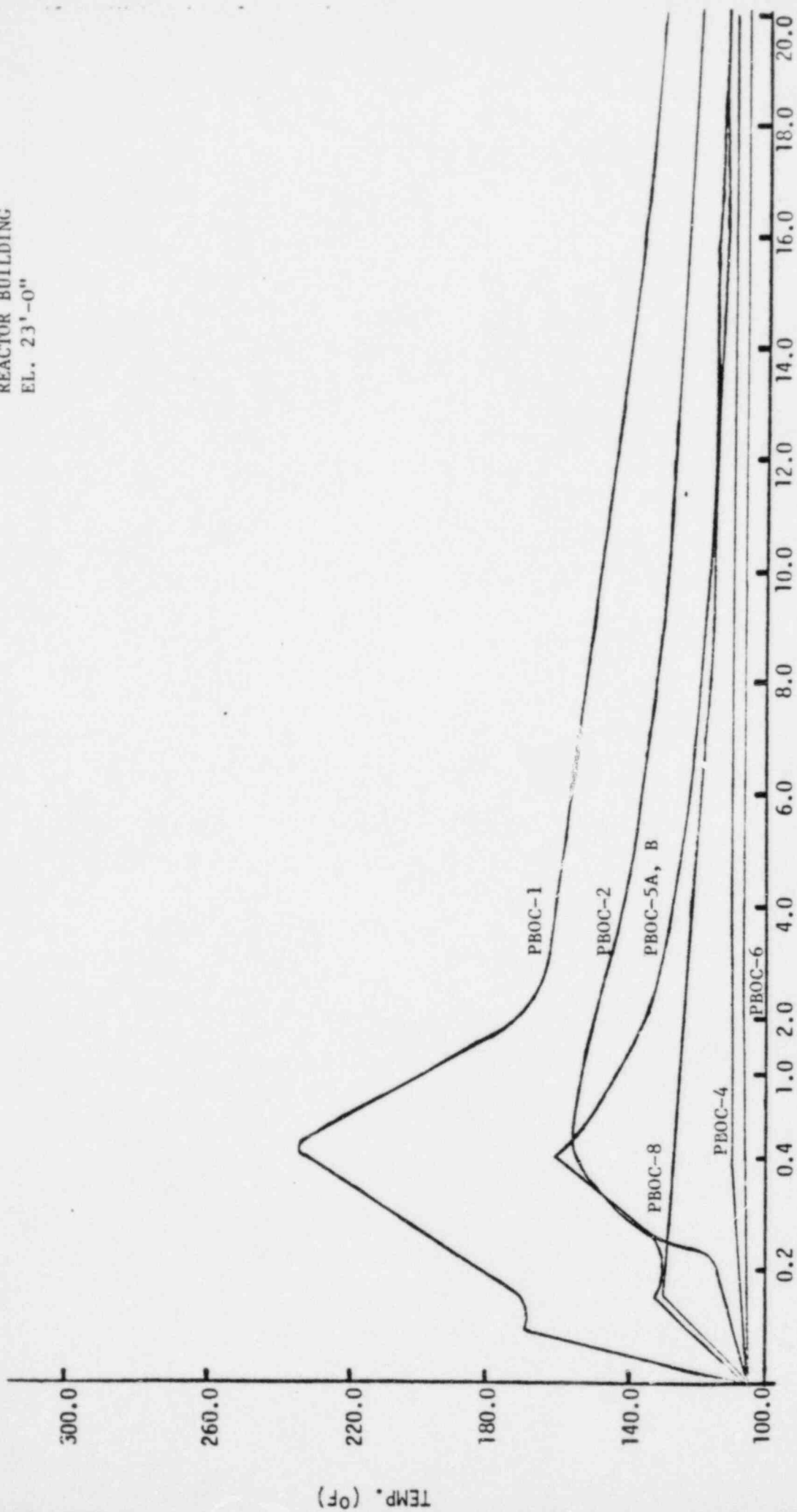
REACTOR BUILDING
EL. (-17'-6")



TEMPERATURE ENVIRONMENT - PIPE LEAK OUTSIDE CONTAINMENT

AREA - CRD MODULES AREA - EAST (1.9)
CRD MODULES AREA - WEST (1.10)

REACTOR BUILDING
EL. 23'-0"

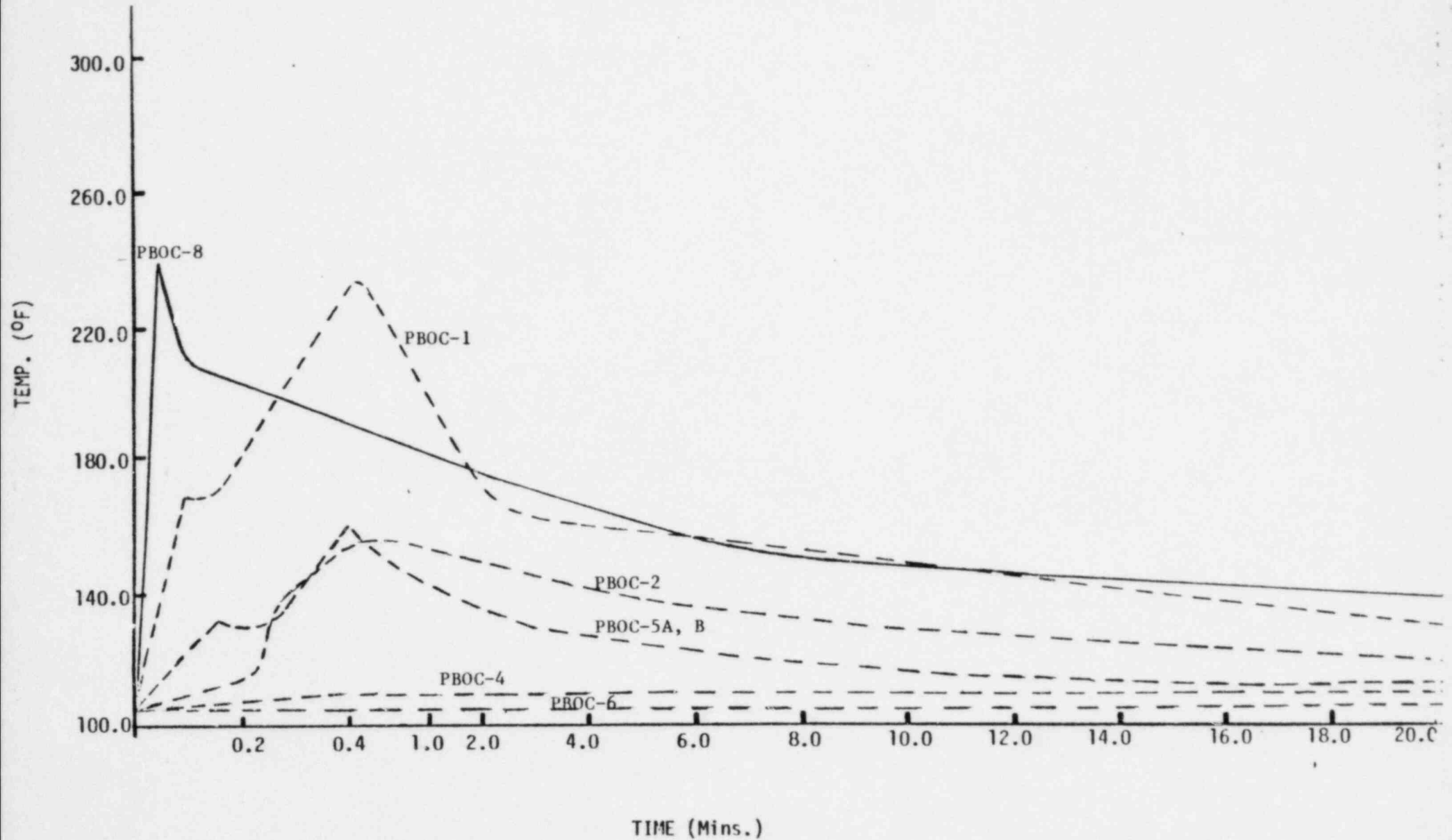


TIME (Mins.)

TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT

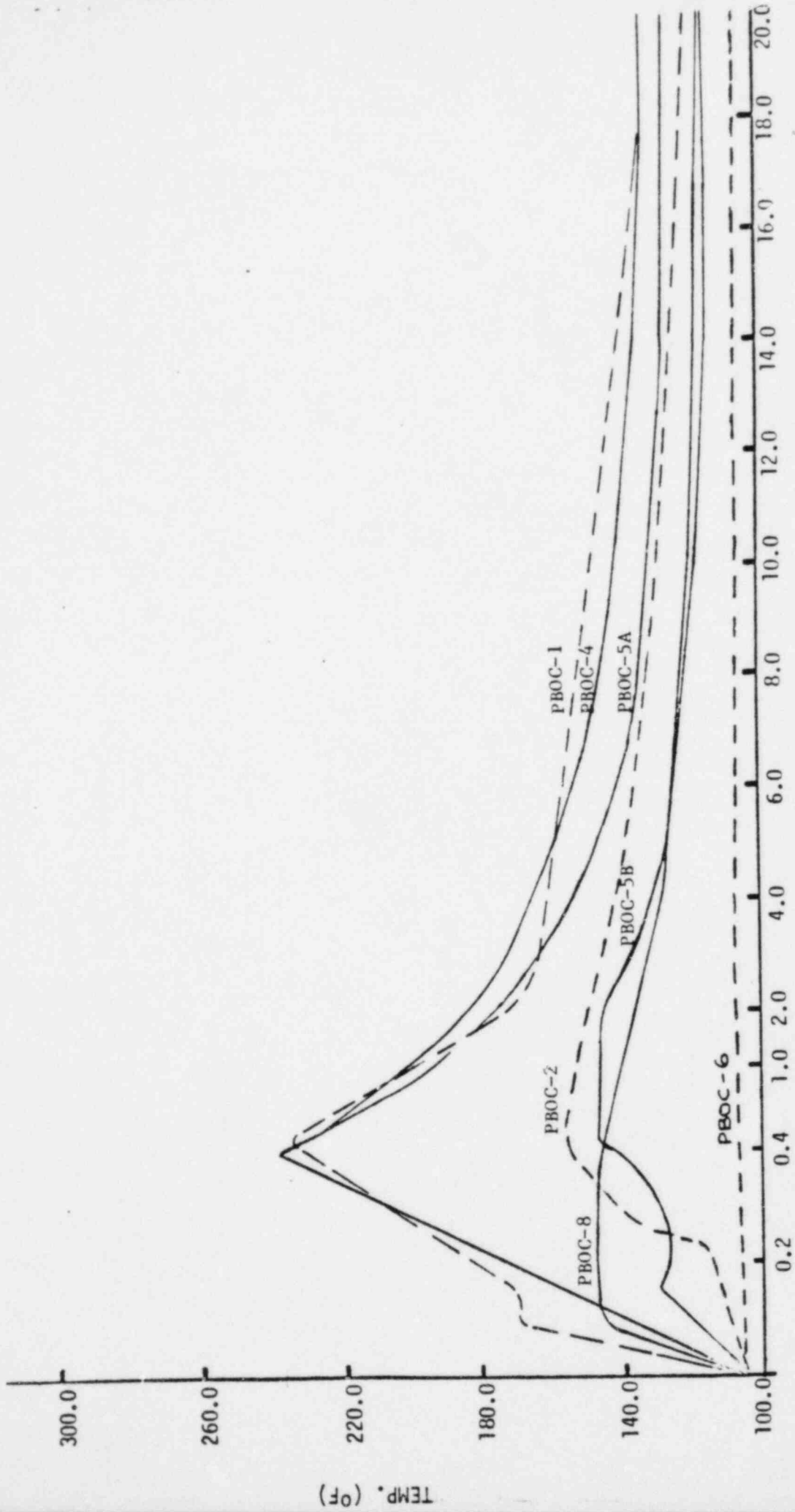
AREA - RHR PIPING ROOM (1.9A)

REACTOR BUILDING
EL. 23'-0"



TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - RCIC PIPING ROOM (1.10A)

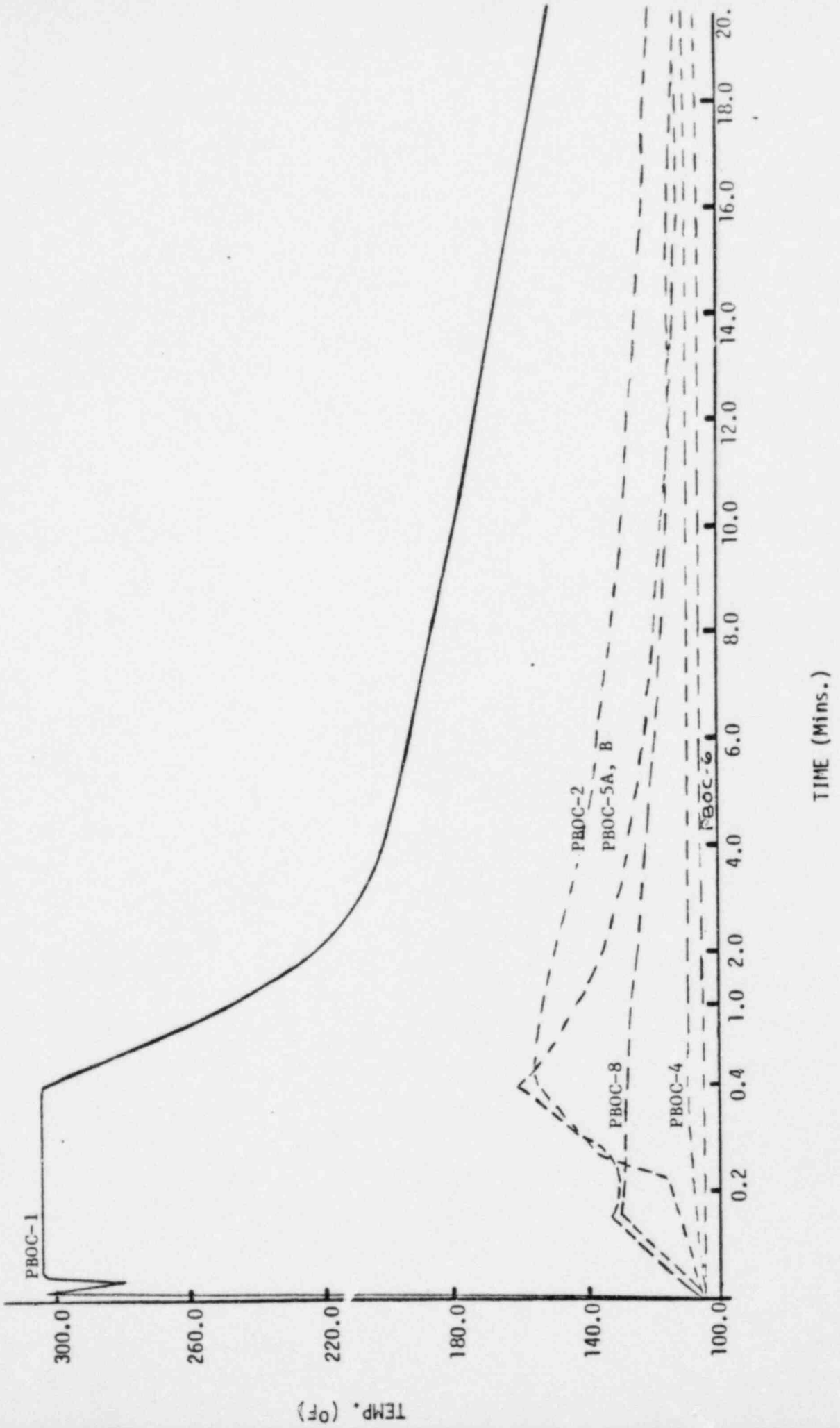
REACTOR BUILDING
EL. 23'-0"



TIME (Mins.)

TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - RHR/HPCI PIPING ROOM (1.10B)

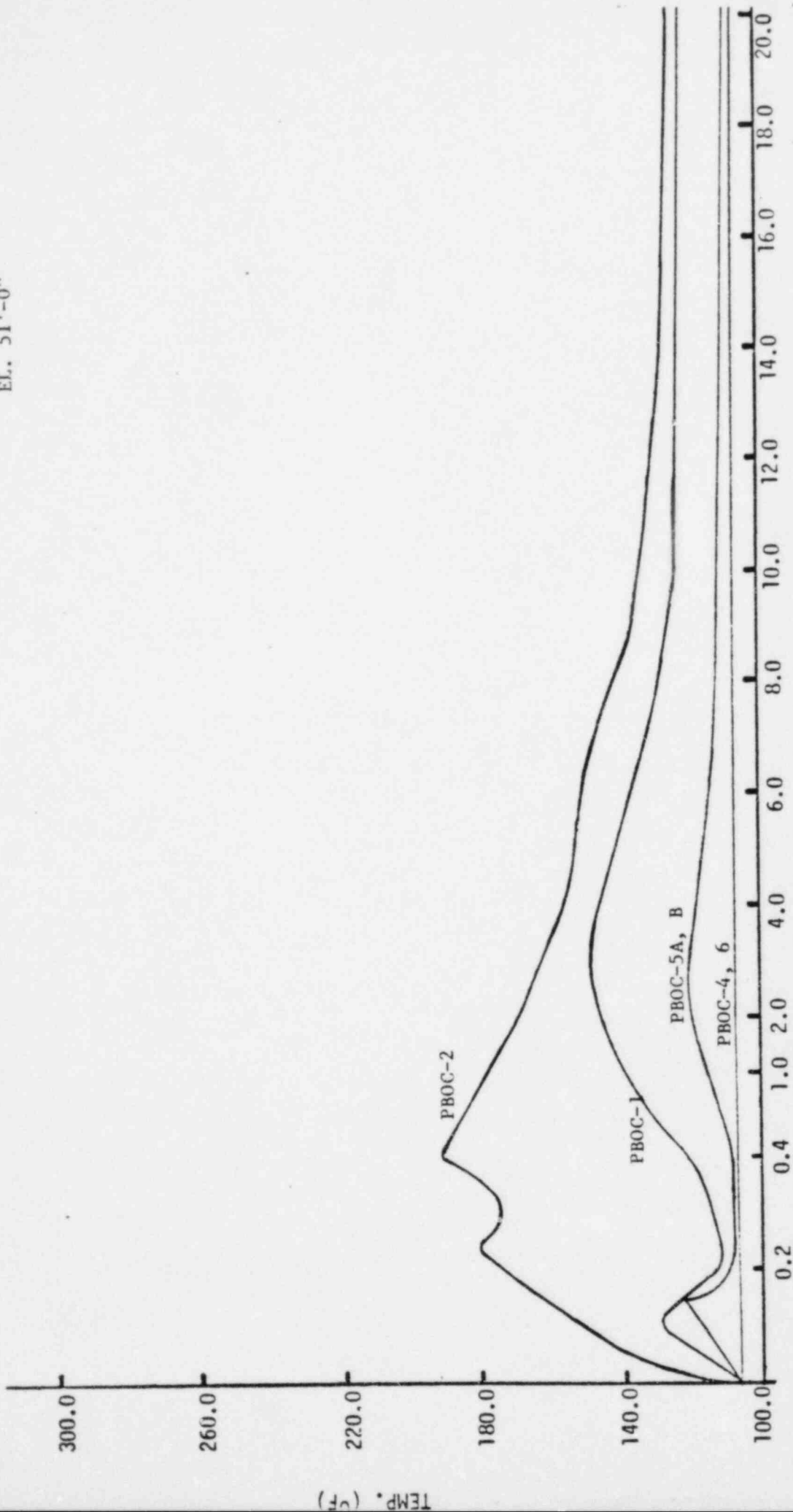
REACTOR BUILDING
EL. 23'-0"



TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT

- AREA - OPEN AREA EAST HALF (1.11)
- OPEN AREA WEST HALF (1.12)

REACTOR BUILDING
EL. 51'-0"

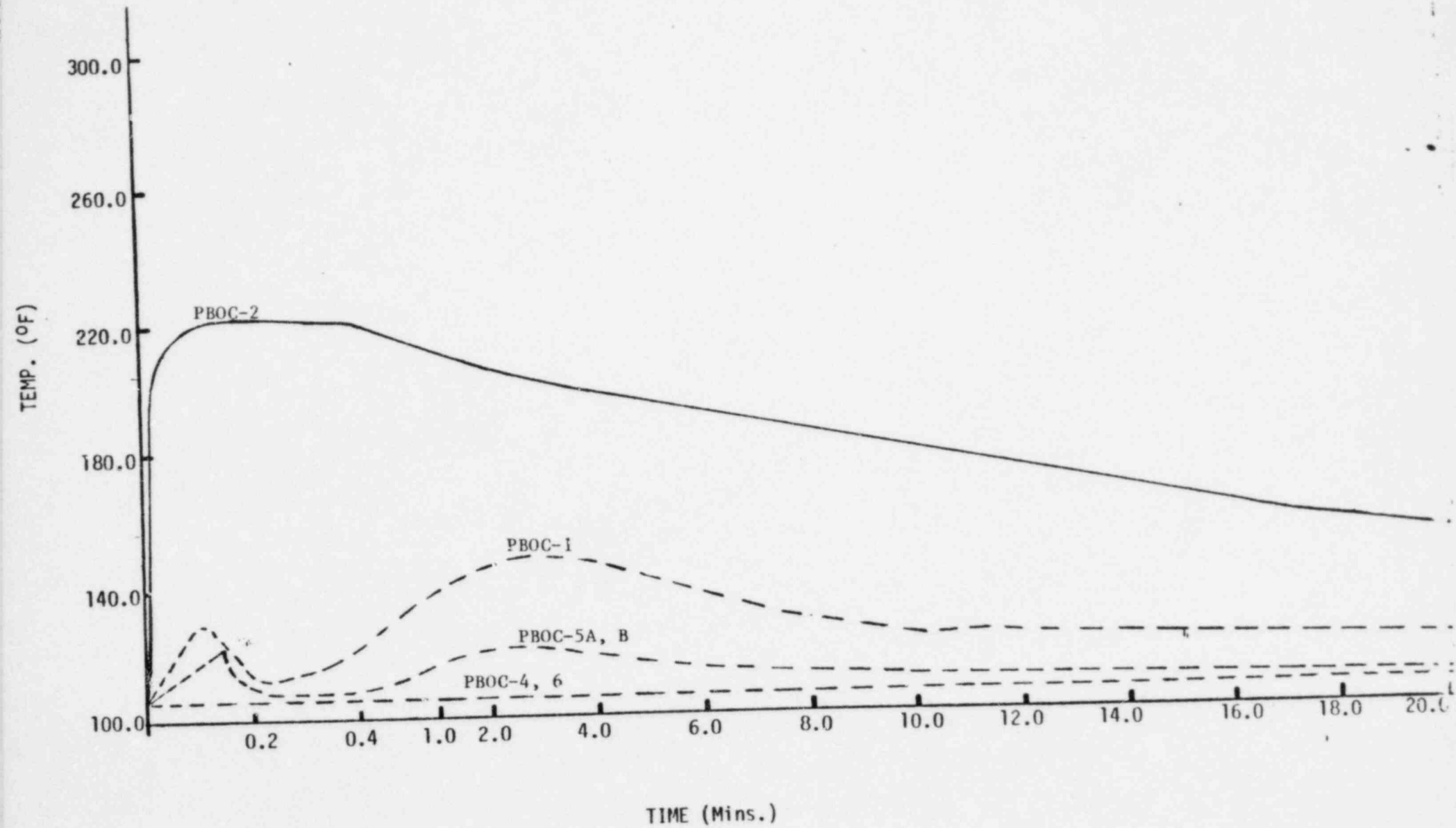


TIME (Mins.)

TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT

AREA - RWCU HX EX & PUMP ROOM (1.11A)

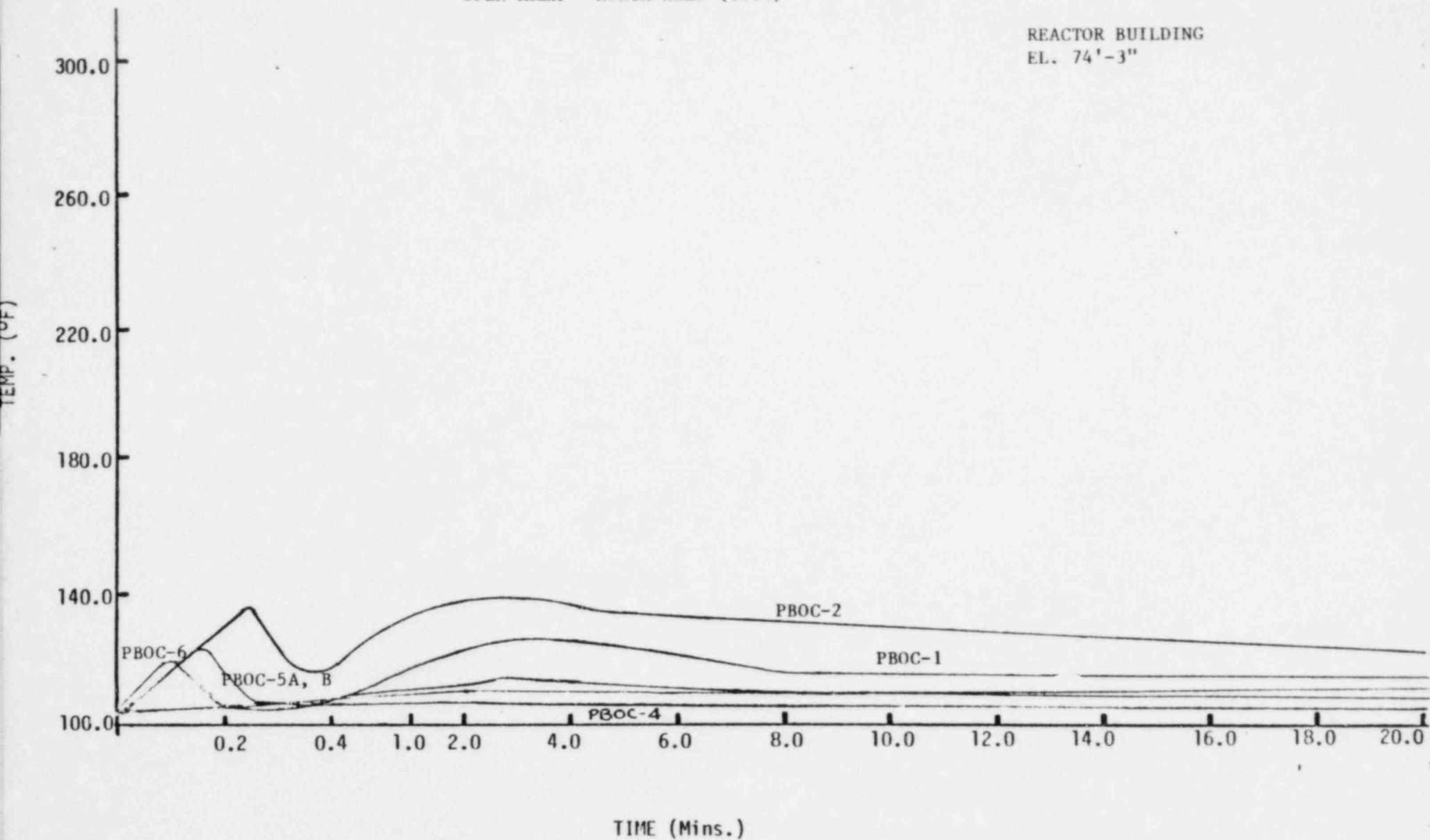
REACTOR BUILDING
EL. 51'-0"



TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT

AREA - FUEL POOL HEAT EXCHANGER AREA:
REACTOR BUILDING CLOSED COOLING
WATER SYSTEM (1.13, 1.13A, 1.13B)
OPEN AREA - NORTH HALF (1.14)

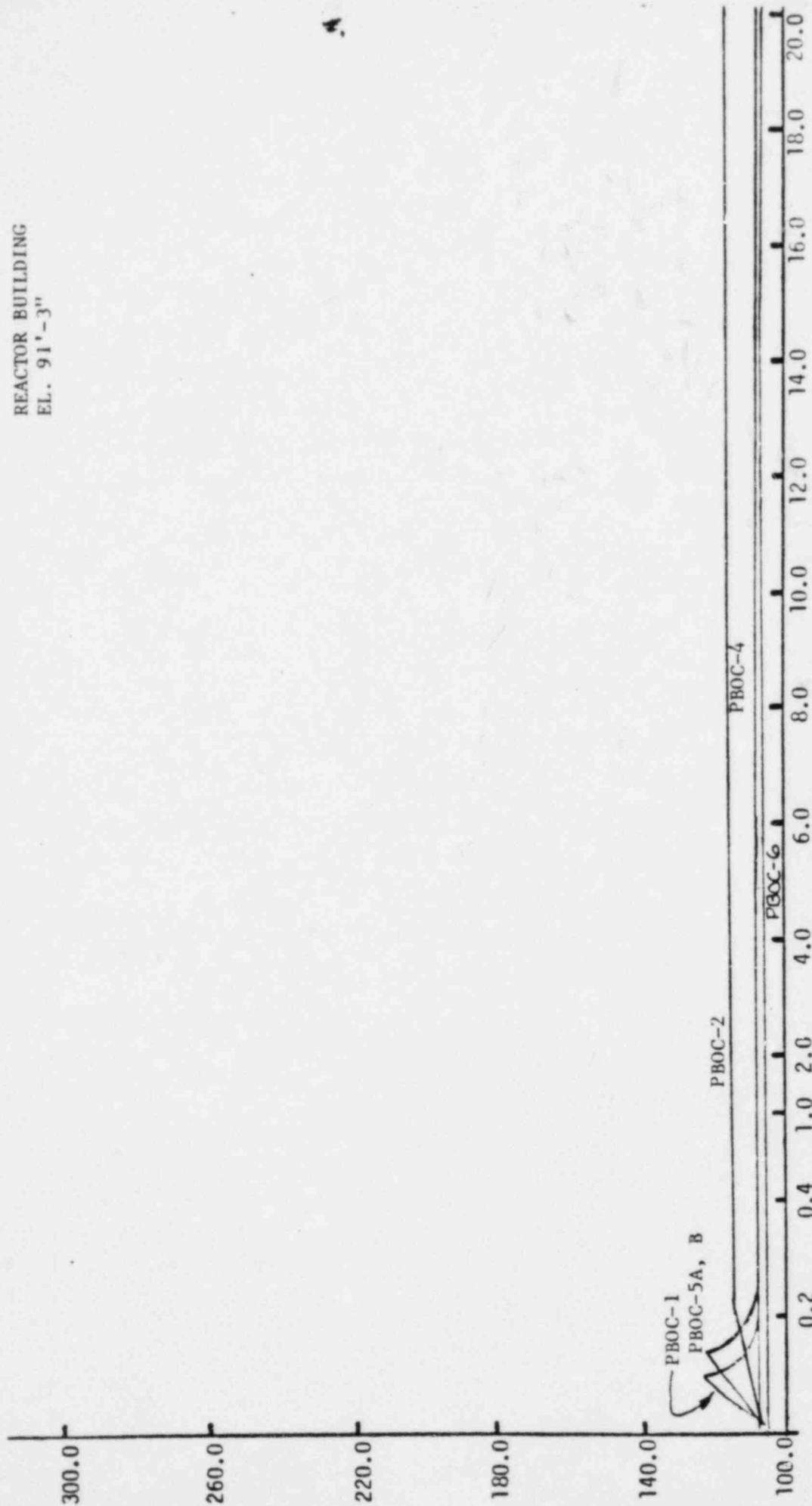
REACTOR BUILDING
EL. 74'-3"



TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT

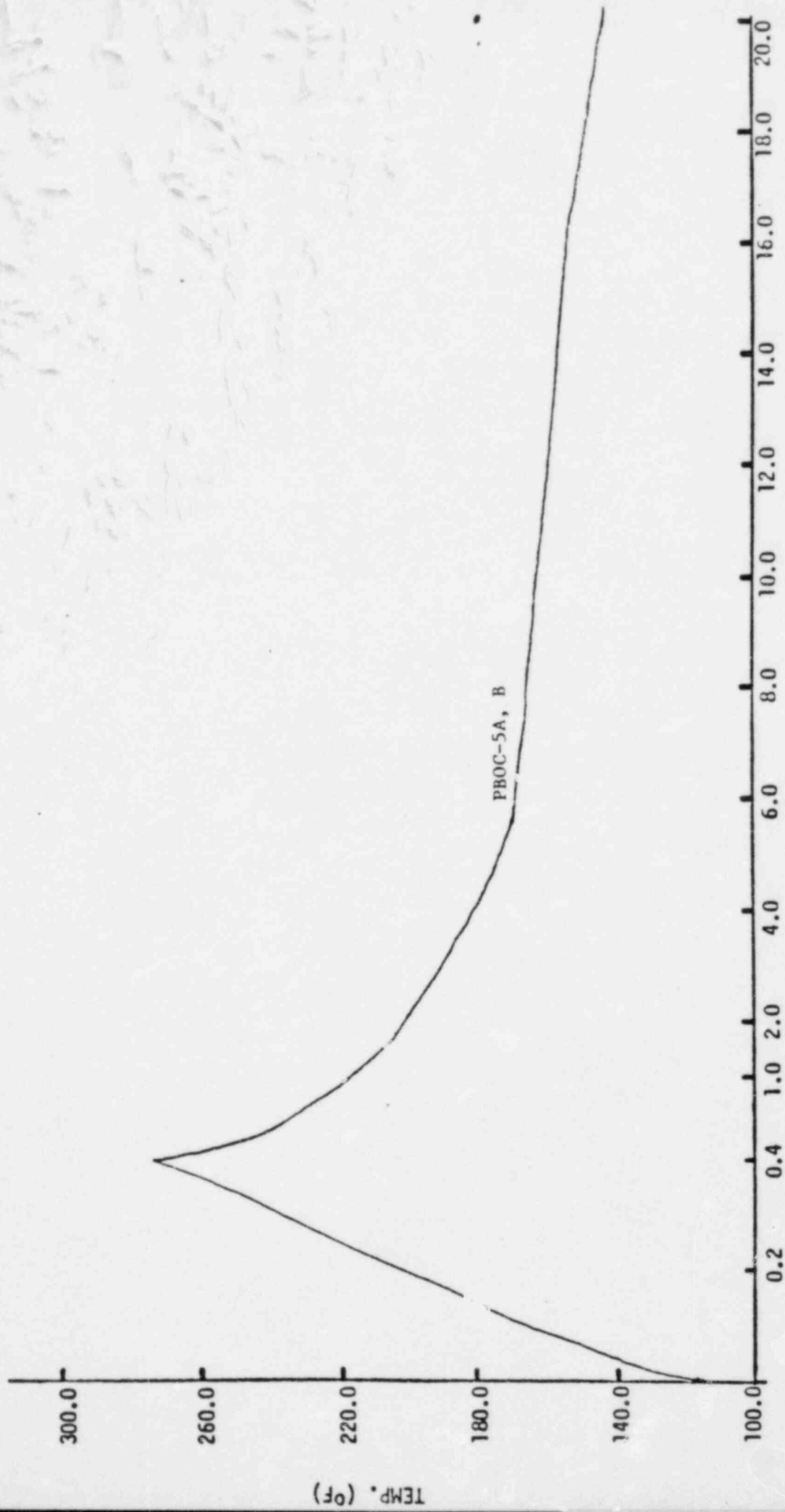
- AREA - STANDBY LIQUID CONTROL AREA (1.15)
- OPEN AREA - NORTH HALF (1.16) (1.16A)
- CLOTHING CHANGE AND STORAGE AREA (1.17)

REACTOR BUILDING
EL. 91'-3"



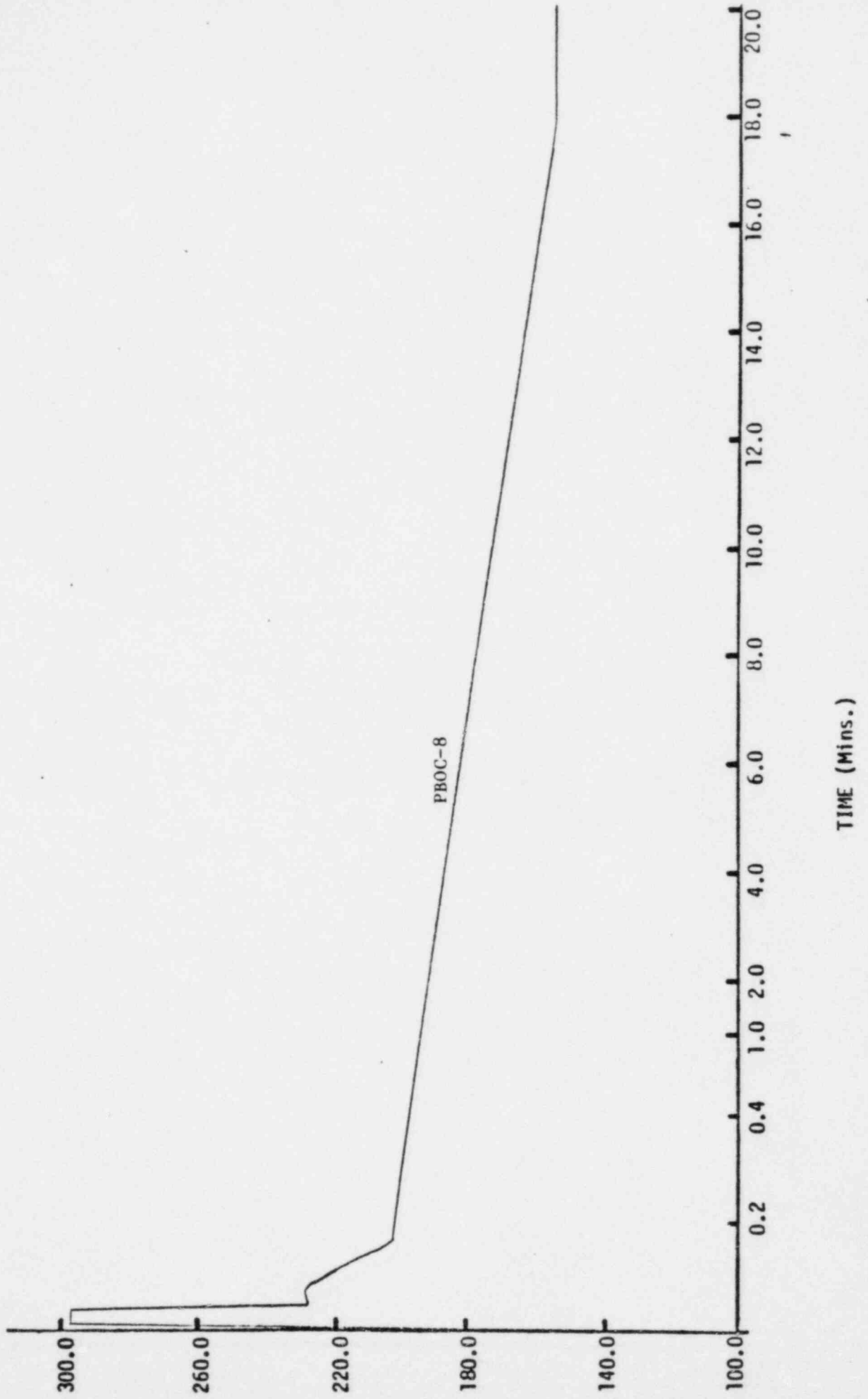
TIME (Mins.)

TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - TORUS COMPARTMENT



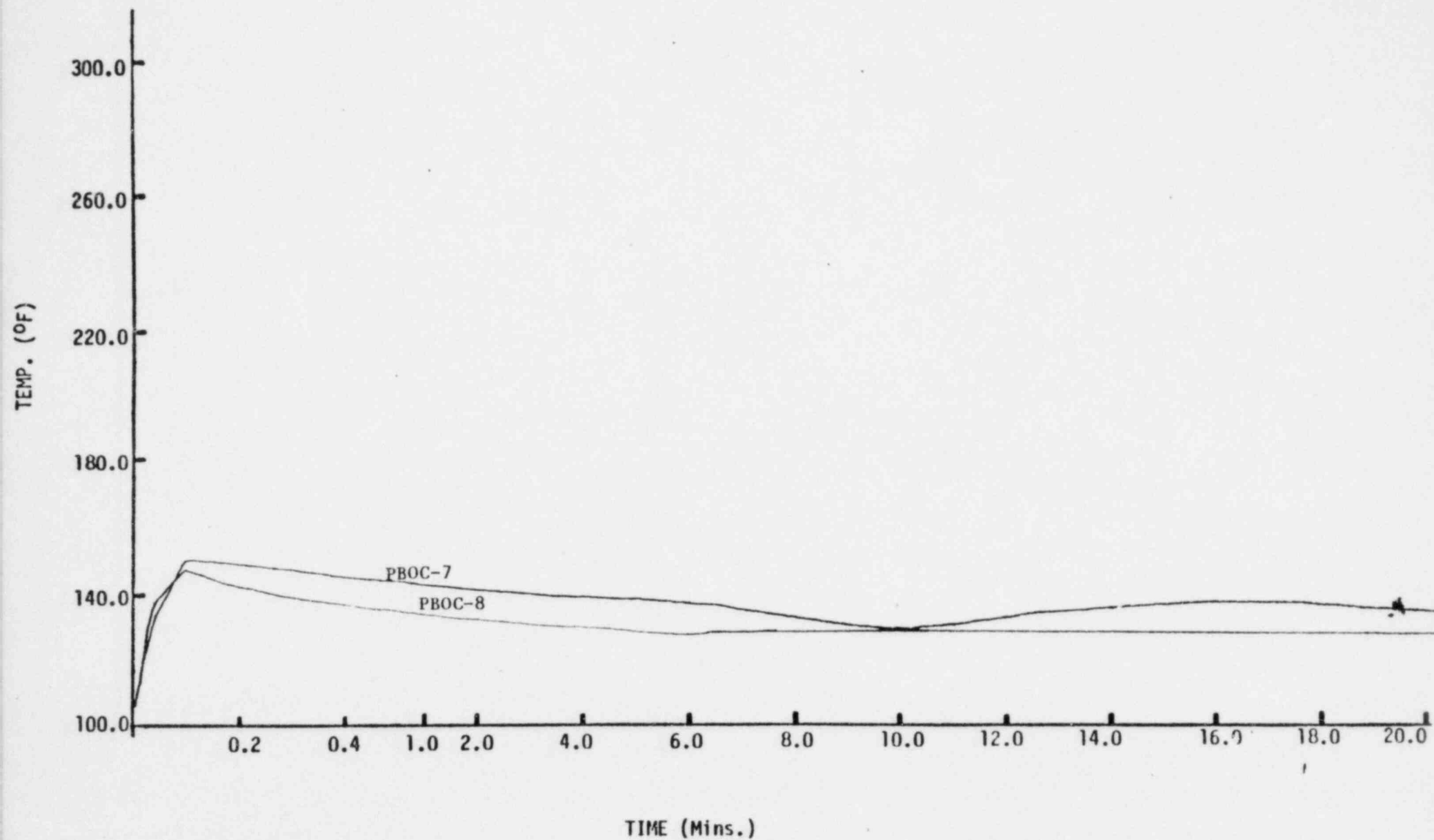
TIME (Mins.)

TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - STEAM TUNNEL



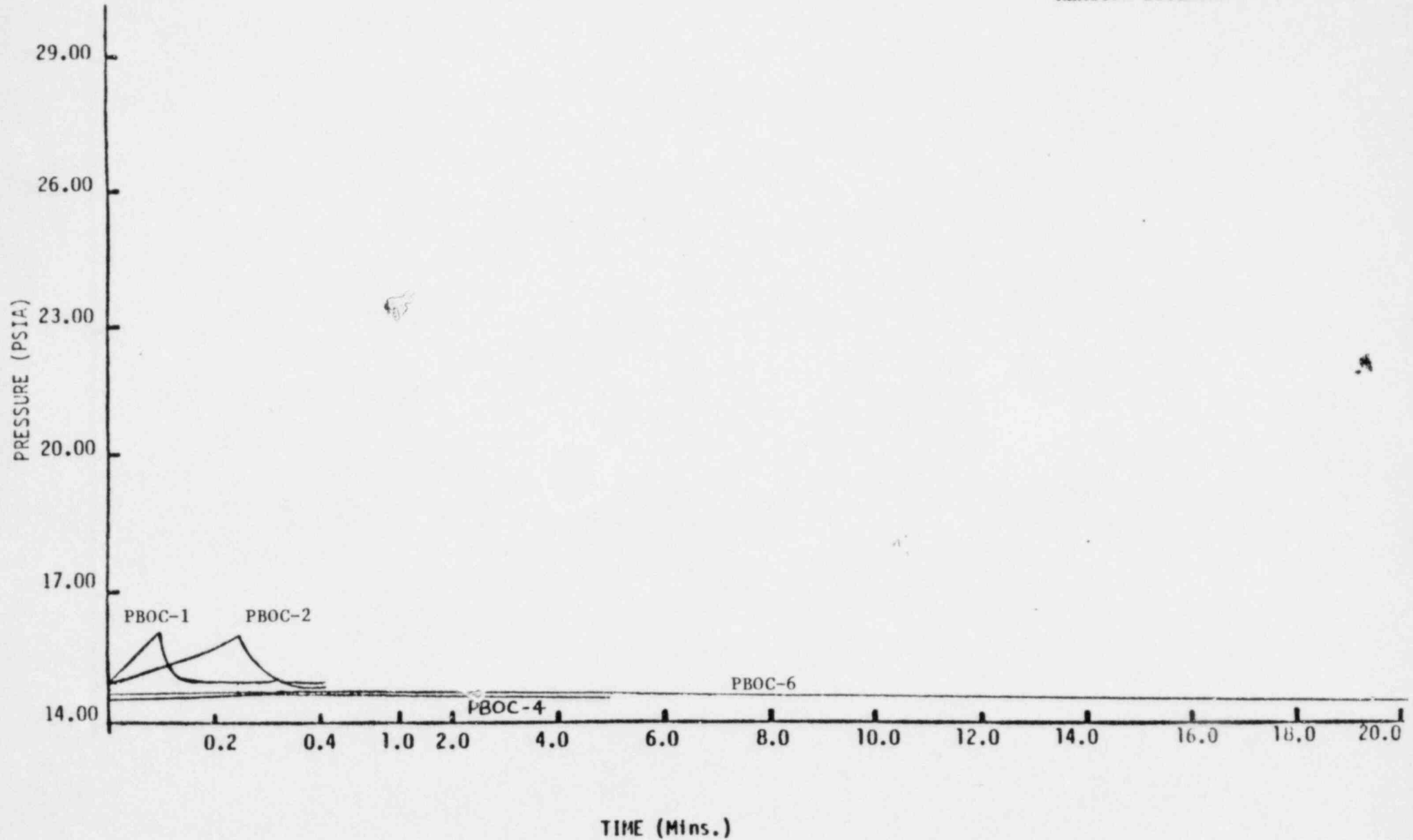
TEMPERATURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT

AREA - TURBINE BUILDING EL. 51'-0" (2.11, 2.12)



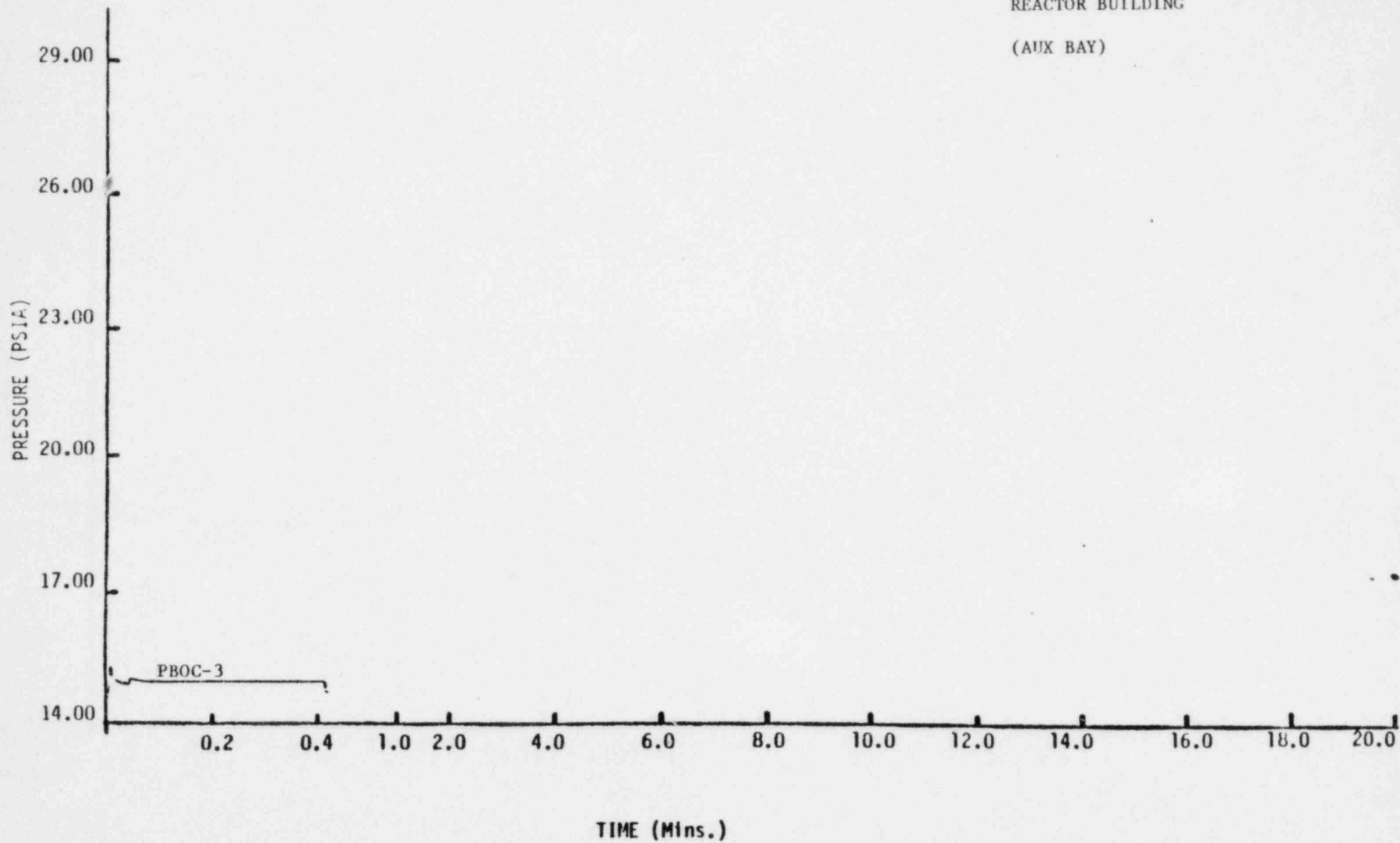
PRESSURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - (1.1) (1.2) (1.5) (1.6) (1.7) (1.8) (1.11) (1.12)
(1.13) (1.14) (1.15) (1.16) (1.17)

REACTOR BUILDING



PRESSURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - HPCI PUMP ROOM (1.3)
HPCI PANEL AND VALVE ROOM (1.4)

REACTOR BUILDING
(AUX BAY)



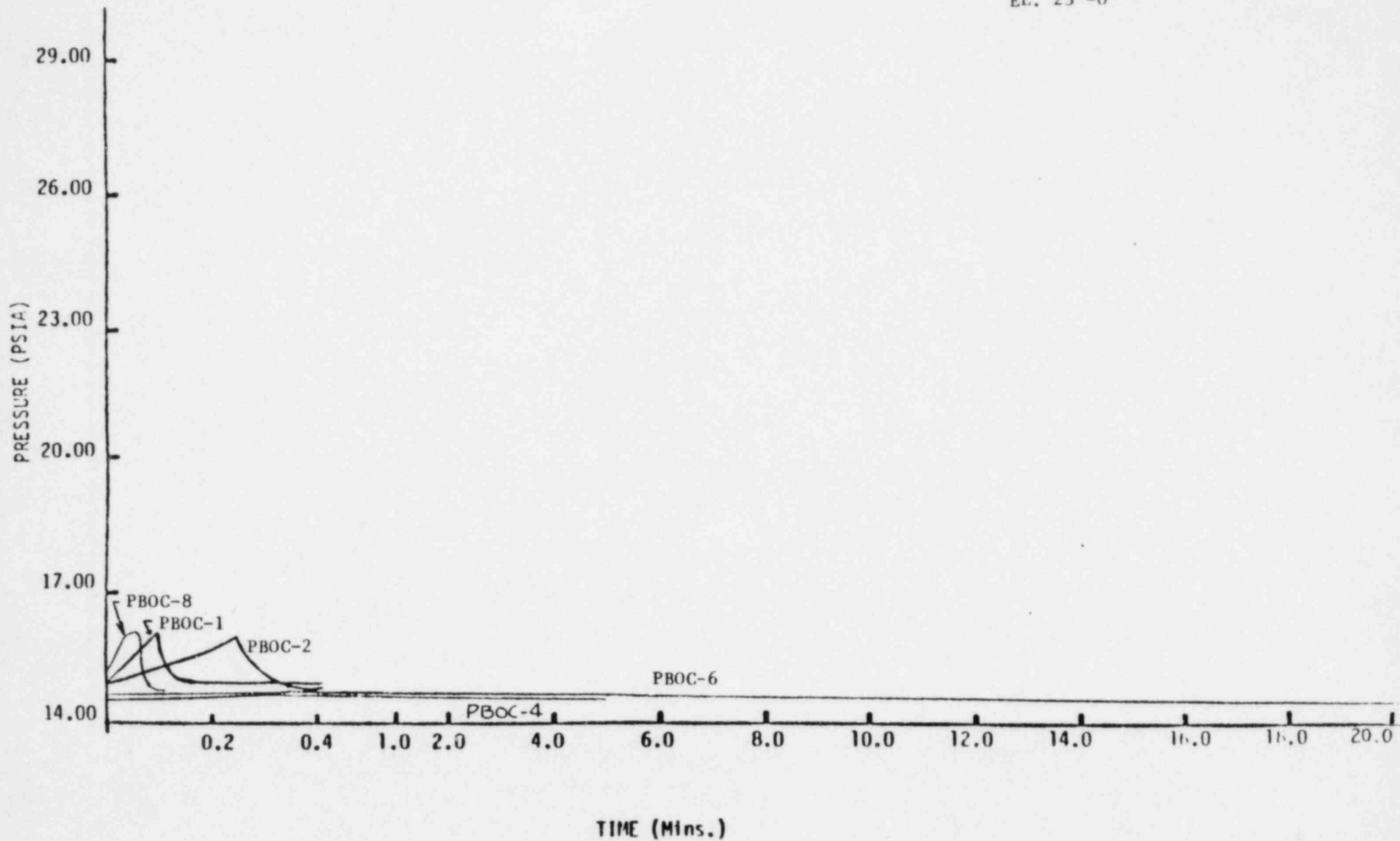
PRESSURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT

AREA - CRD MODULES AREA - EAST (1.9)

CRD MODULES AREA - WEST (1.10)

REACTOR BUILDING

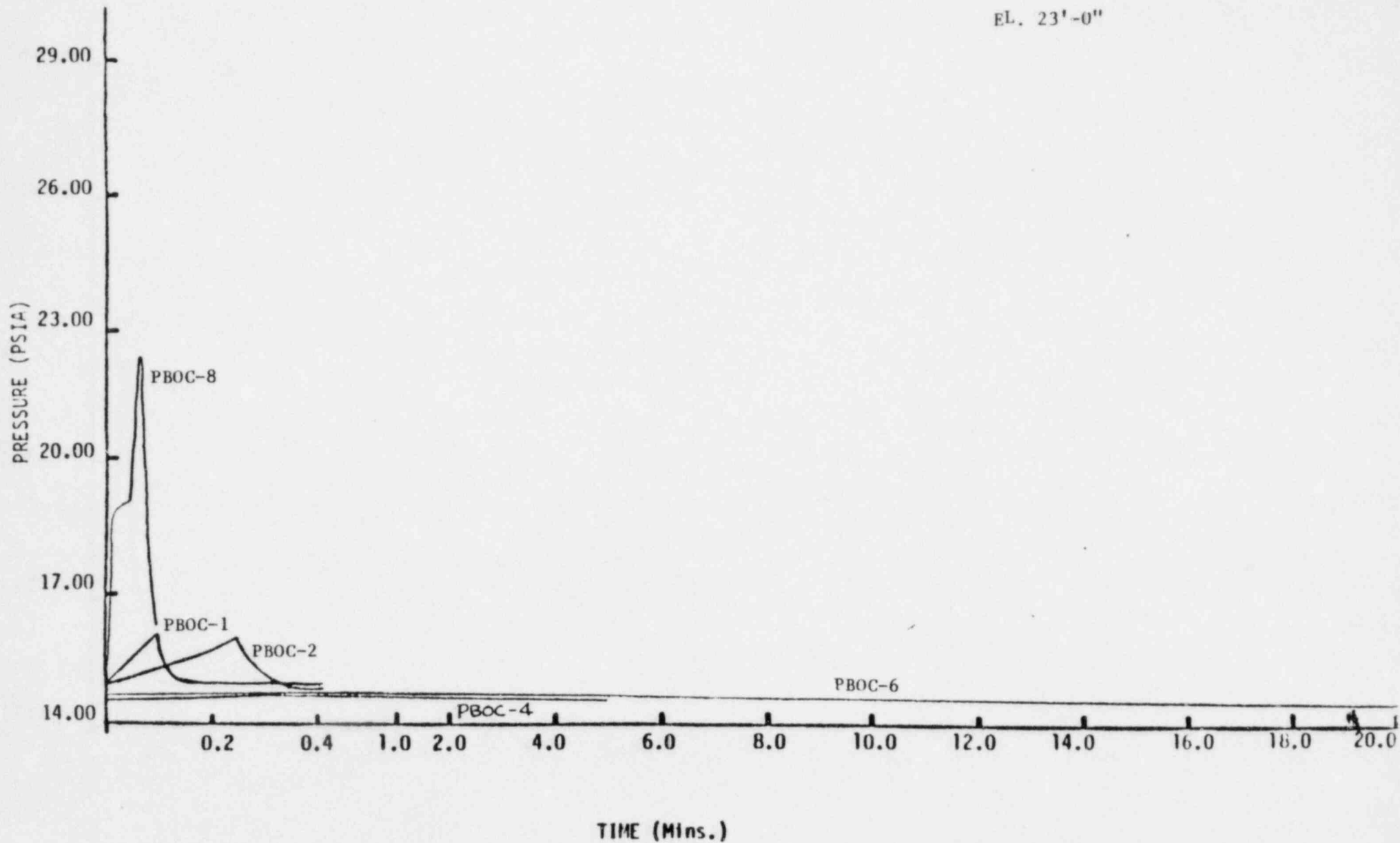
EL. 23'-0"



PRESSURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - RHR PIPING ROOM (1.9A)

REACTOR BUILDING

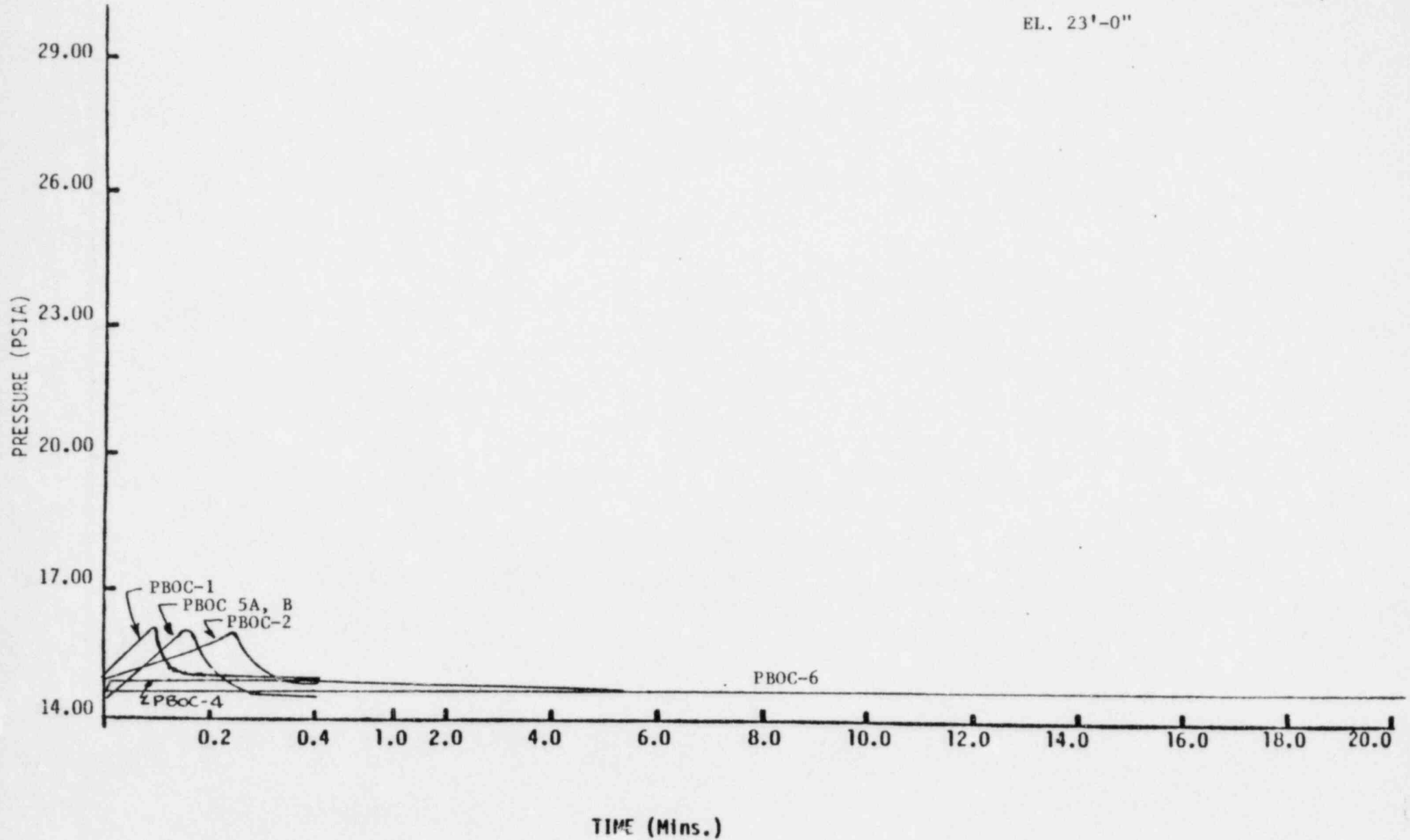
EL. 23'-0"



PRESSURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - RCIC PIPING ROOM (1.10A)

REACTOR BUILDING

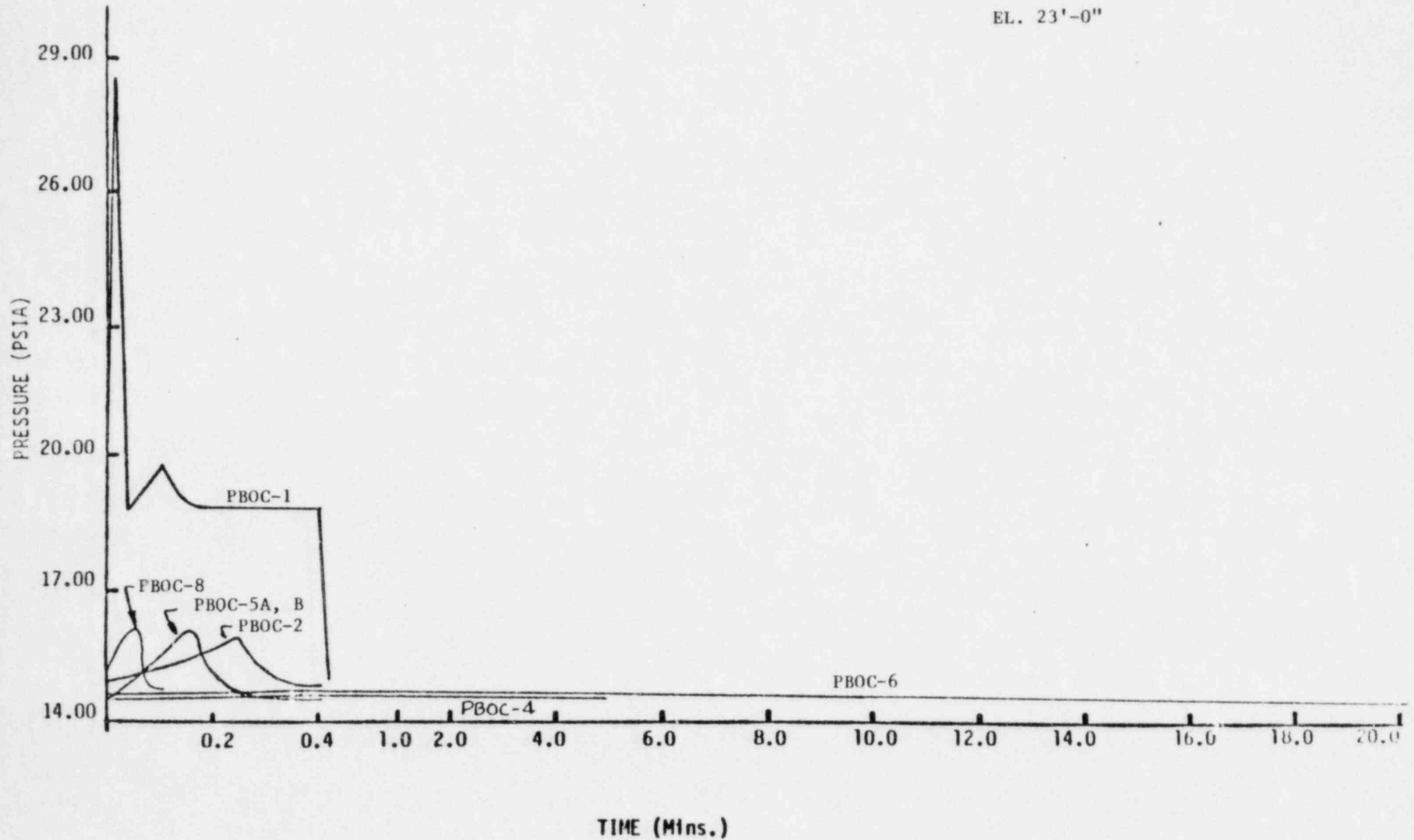
EL. 23'-0"



PRESSURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - RHR/HPCI PIPING ROOM (1.10B)

REACTOR BUILDING

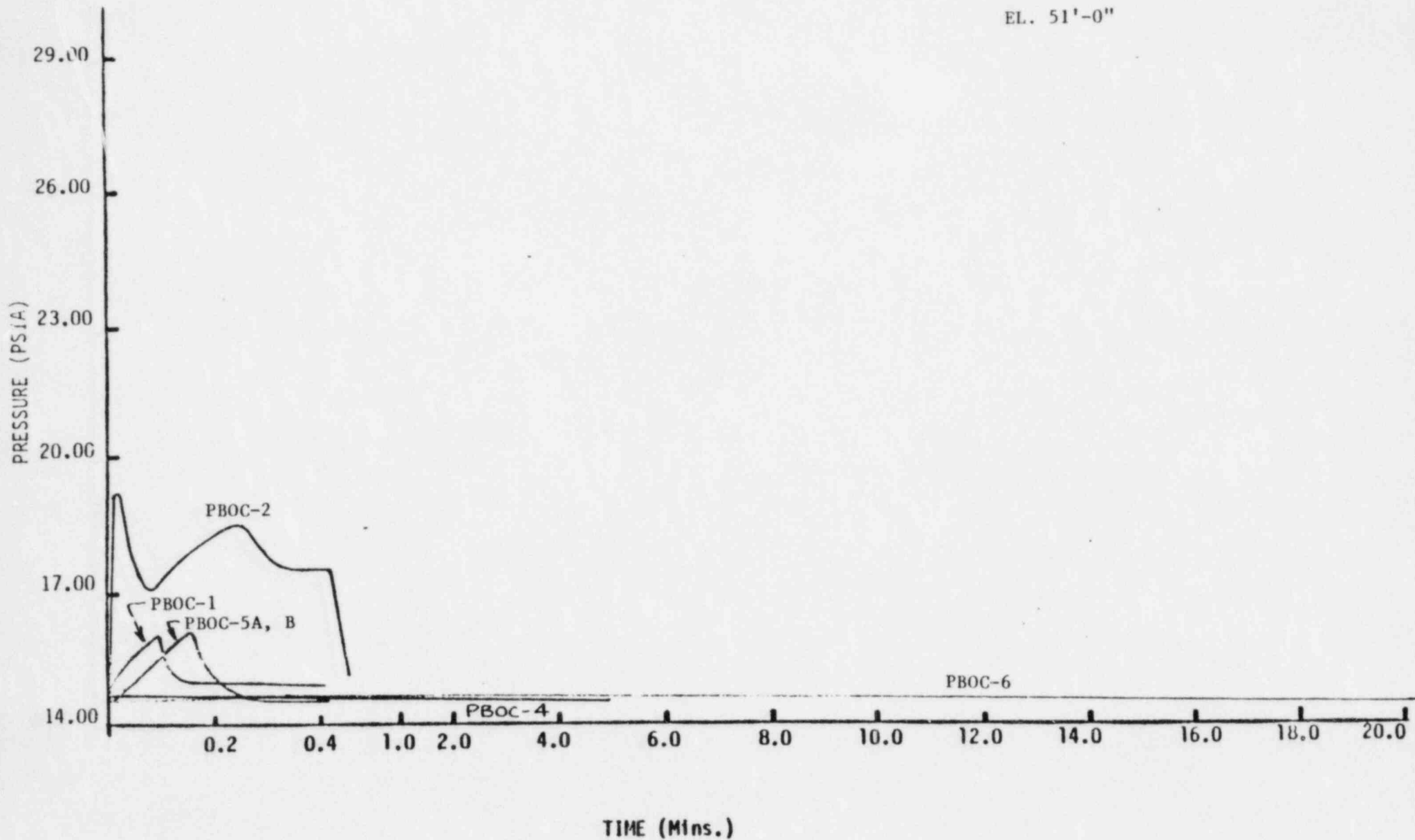
EL. 23'-0"



PRESSURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - RWCU HX EX & PUMP ROOM (1.11A)

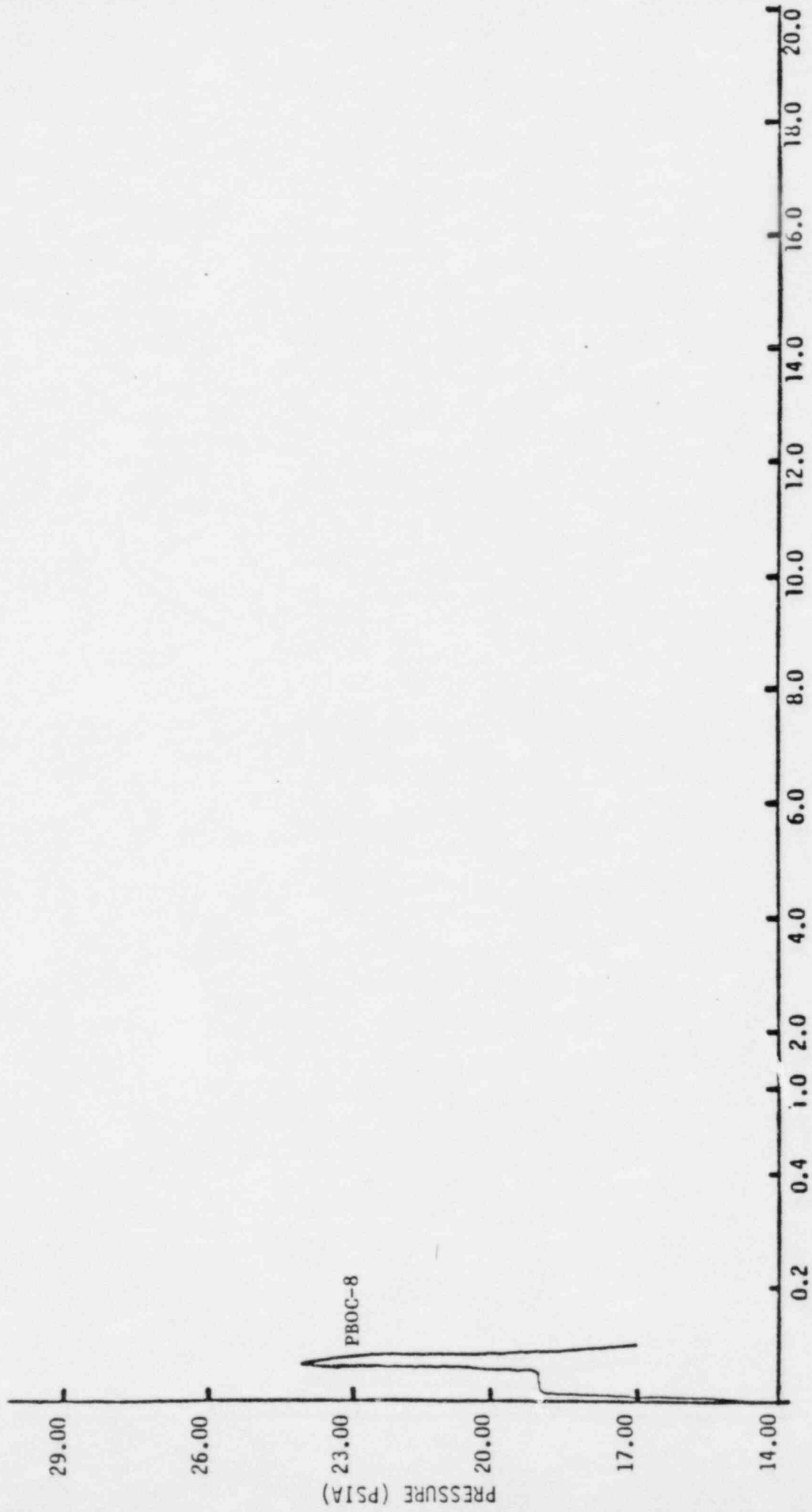
REACTOR BUILDING

EL. 51'-0"



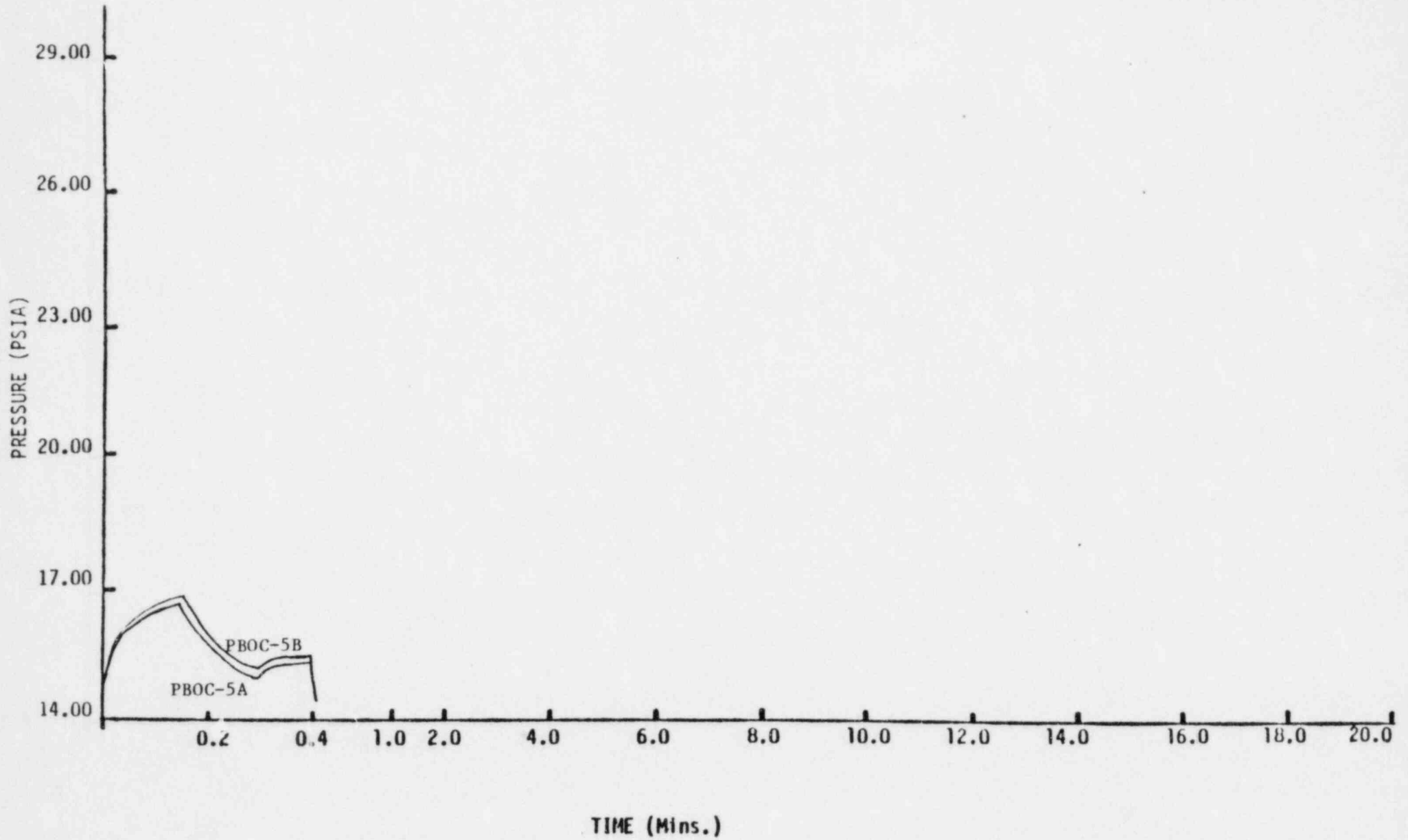
PRESSURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - STEAM TUNNEL

60

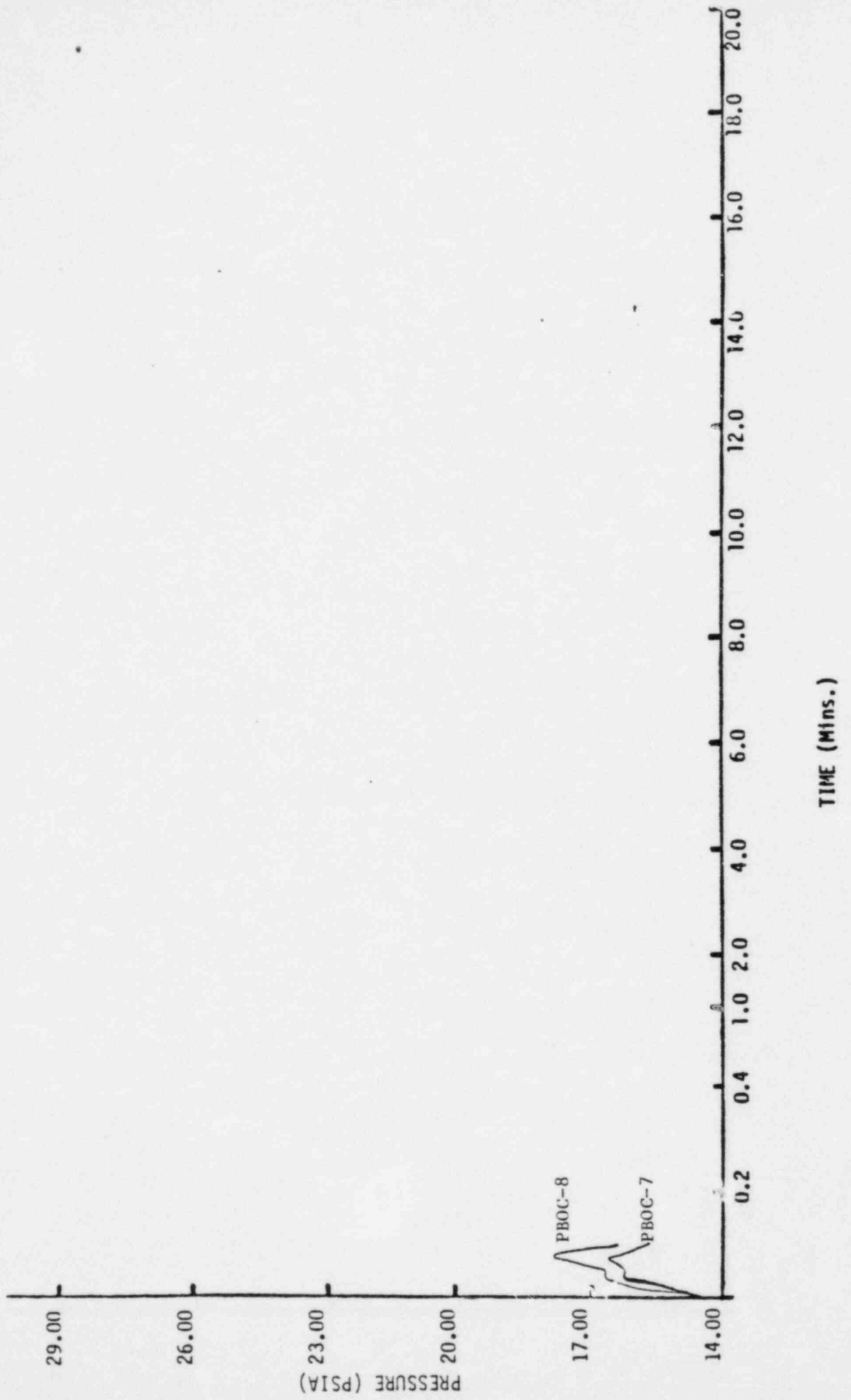


TIME (Mins.)

PRESSURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - TORUS COMPARTMENT



PRESSURE ENVIRONMENT - PIPE BREAK OUTSIDE CONTAINMENT
AREA - TURBINE BUILDING EL. 51'-0" (2.11, 2.12)



EVALUATIONS

Attached are qualification test curves and evaluation computer printouts for 79-01B.

Test Curves, 1 through 41

Printout #2 - Component Evaluation List

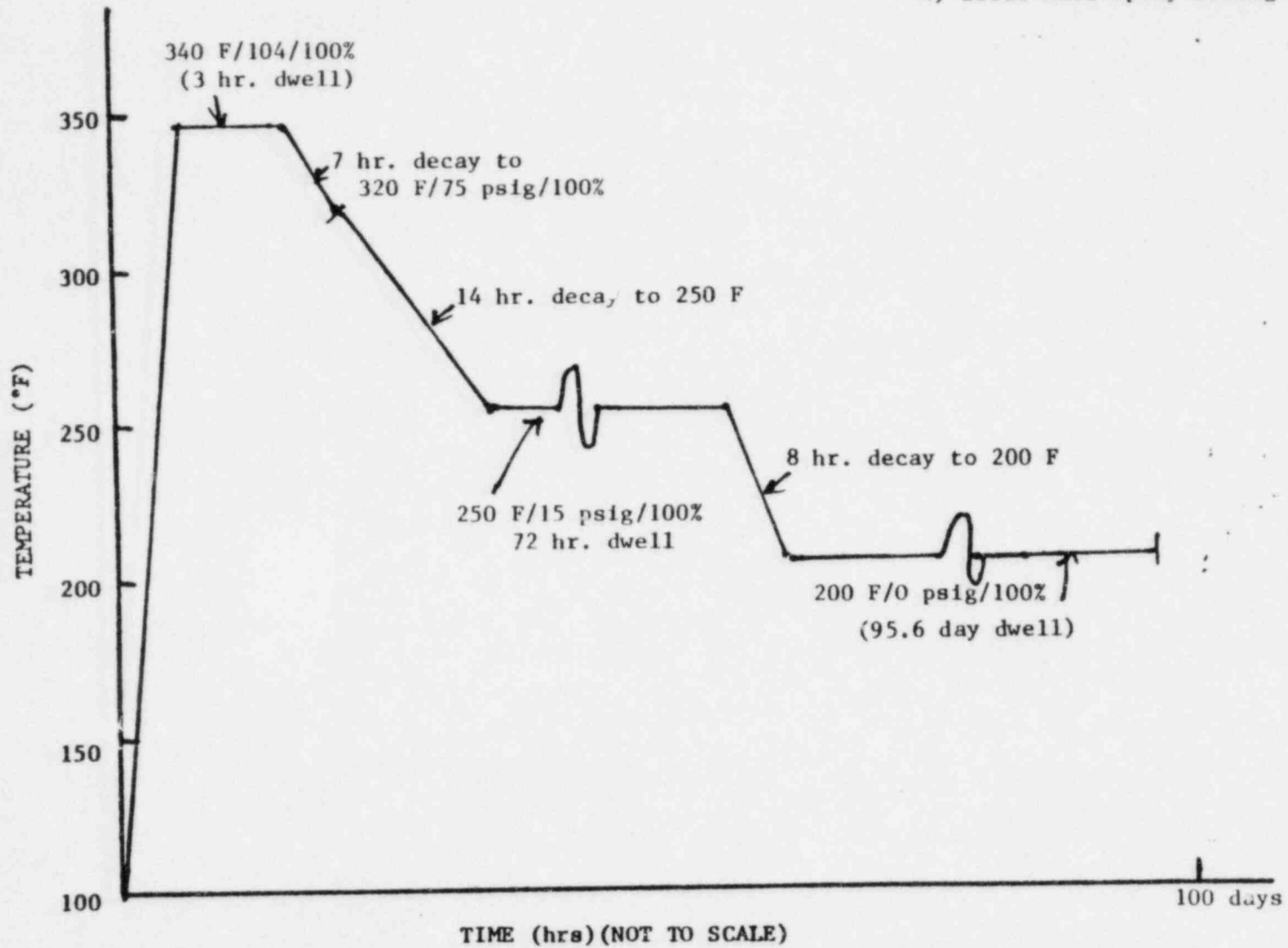
2I - In containment

2II - Outside containment

In order to properly utilize the computerized information the following field description and code interpretations precede the printouts:

- I. Description of 79-01B Computer Fields
- II. Plant Location Codes
- III. Equipment Safety Function Codes

- Notes:
- 1) Rise time not specified
 - 2) Preaged 100 hrs at 150 C
 - 3) Preirradiated to 200 Megarads
 - 4) Boric Acid spray during total 100 days

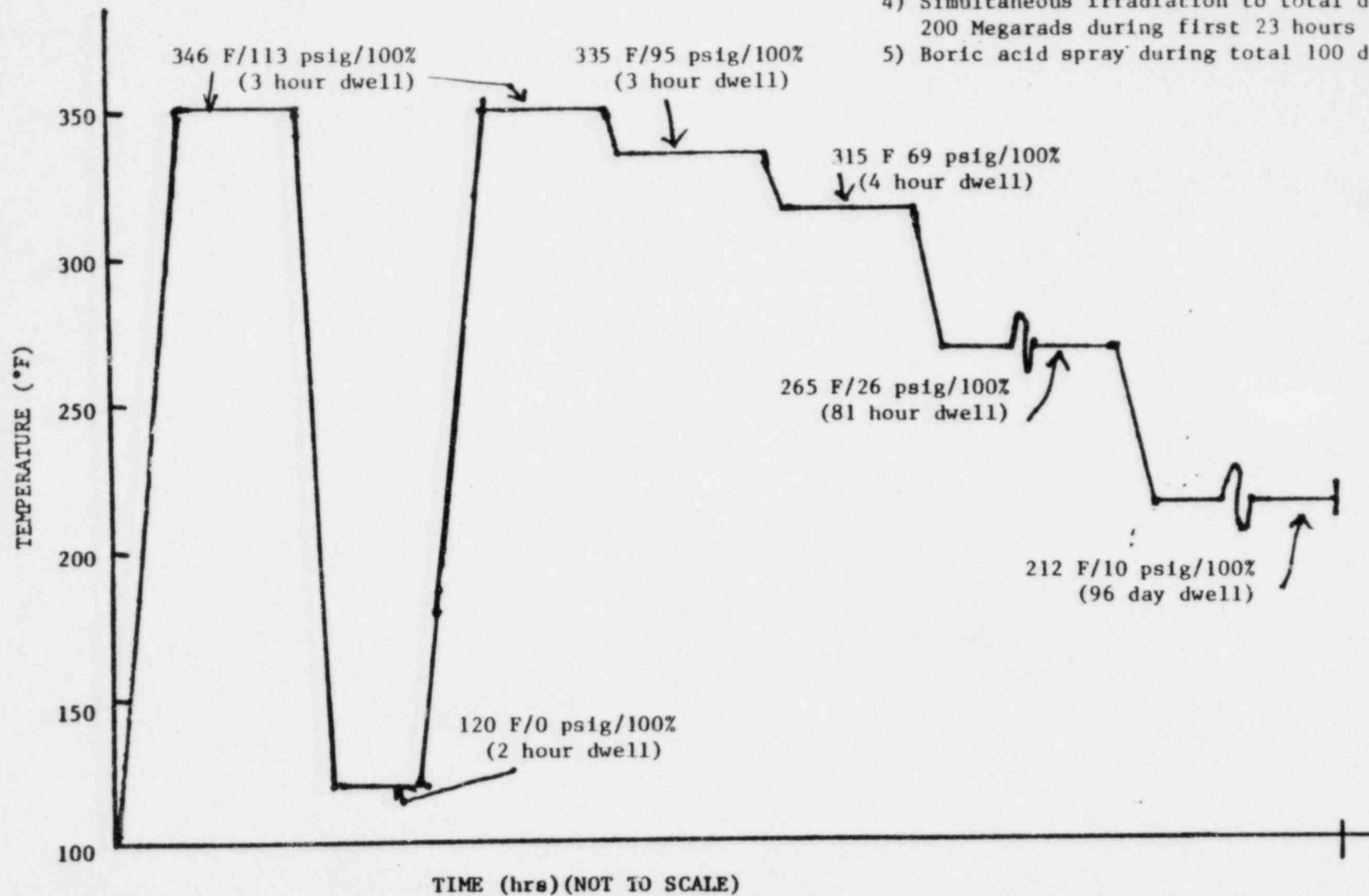


Temperature/Pressure Profile For KERITE
5 KV HTK/HTNS Power Cable: from test summary -
Attachment to Kerite letter 7/21/80

TEST CURVE
#1 (new)

Notes:

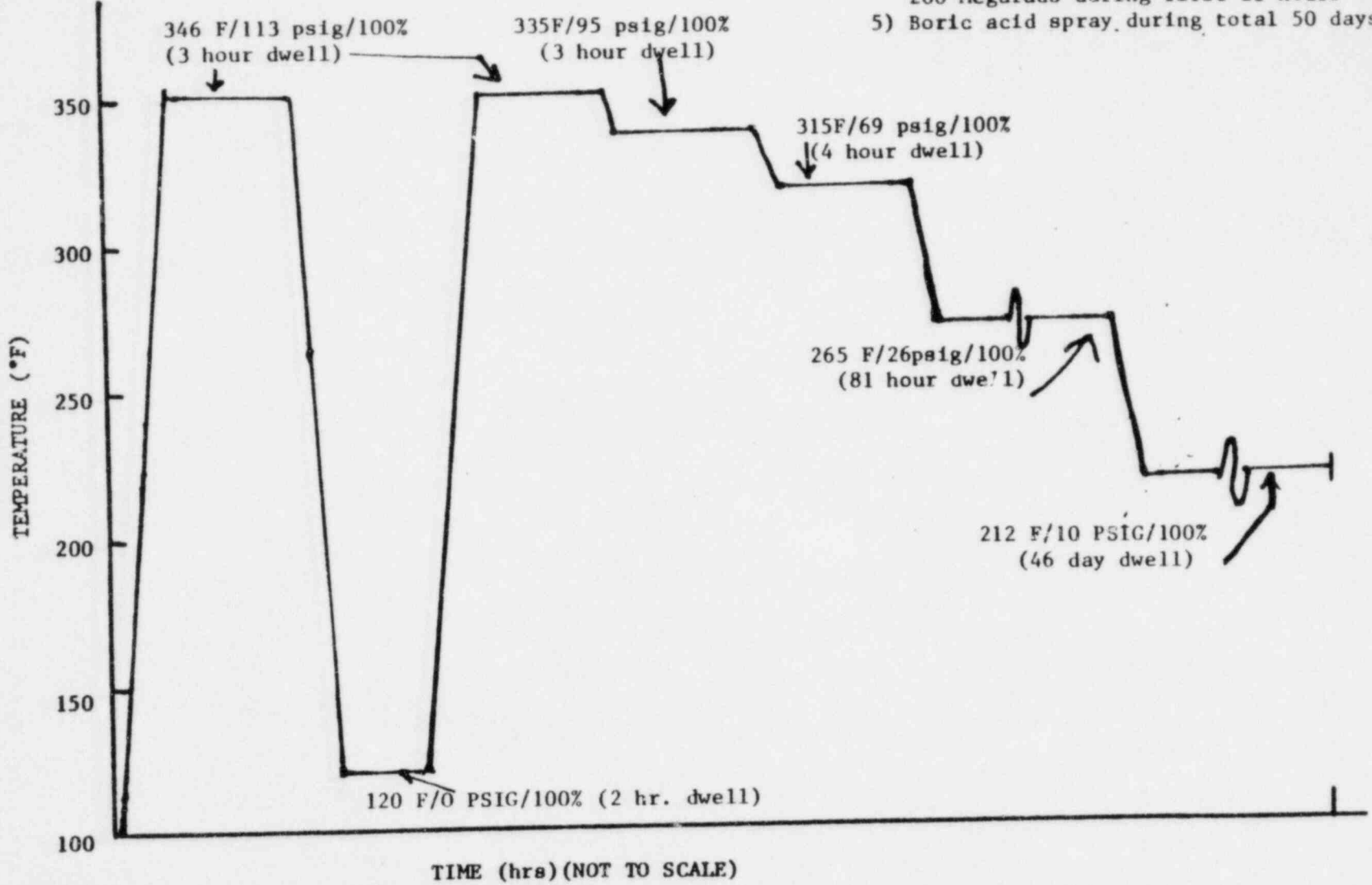
- 1) Rise & decay times not specified
- 2) Preaged 100 hrs. at 150 C
- 3) Pre-irradiated to 50 Megarads
- 4) Simultaneous irradiation to total dose of 200 Megarads during first 23 hours
- 5) Boric acid spray during total 100 days



Temperature/Pressure Profile For KERITE
1000 VOLT HTK/FR Control Cable: from test
summary - Attachment to Kerite letter 7/21/80

TEST CURVE
#2 (new)

- † s:
- 1) Rise & decay times not specified
 - 2) Preaged 100 hours at 150 C
 - 3) Pre-irradiated to 50 Megarads
 - 4) Simultaneous irradiation to total dose of 200 Megarads during first 23 hours
 - 5) Boric acid spray during total 50 days



Temperature/Pressure Profile DERITE
 1000 VOLT FR/ FR Control Cable: from test
 summary - Attachment to Kerite Letter 7/21/80

TEST CURVE
 #3 (new)

000000 0479

by P.M.N. 3/15/80

POOR ORIGINAL

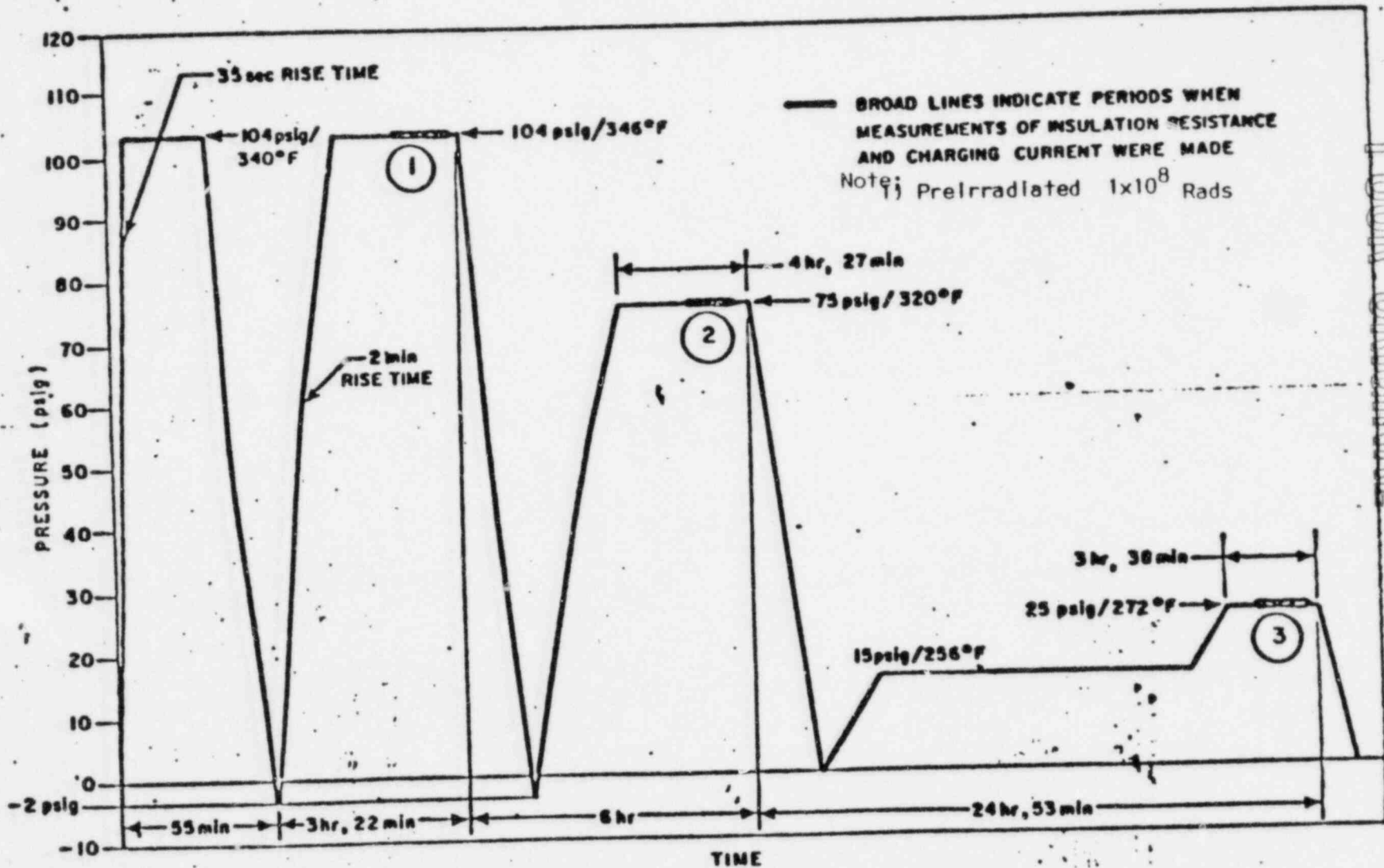
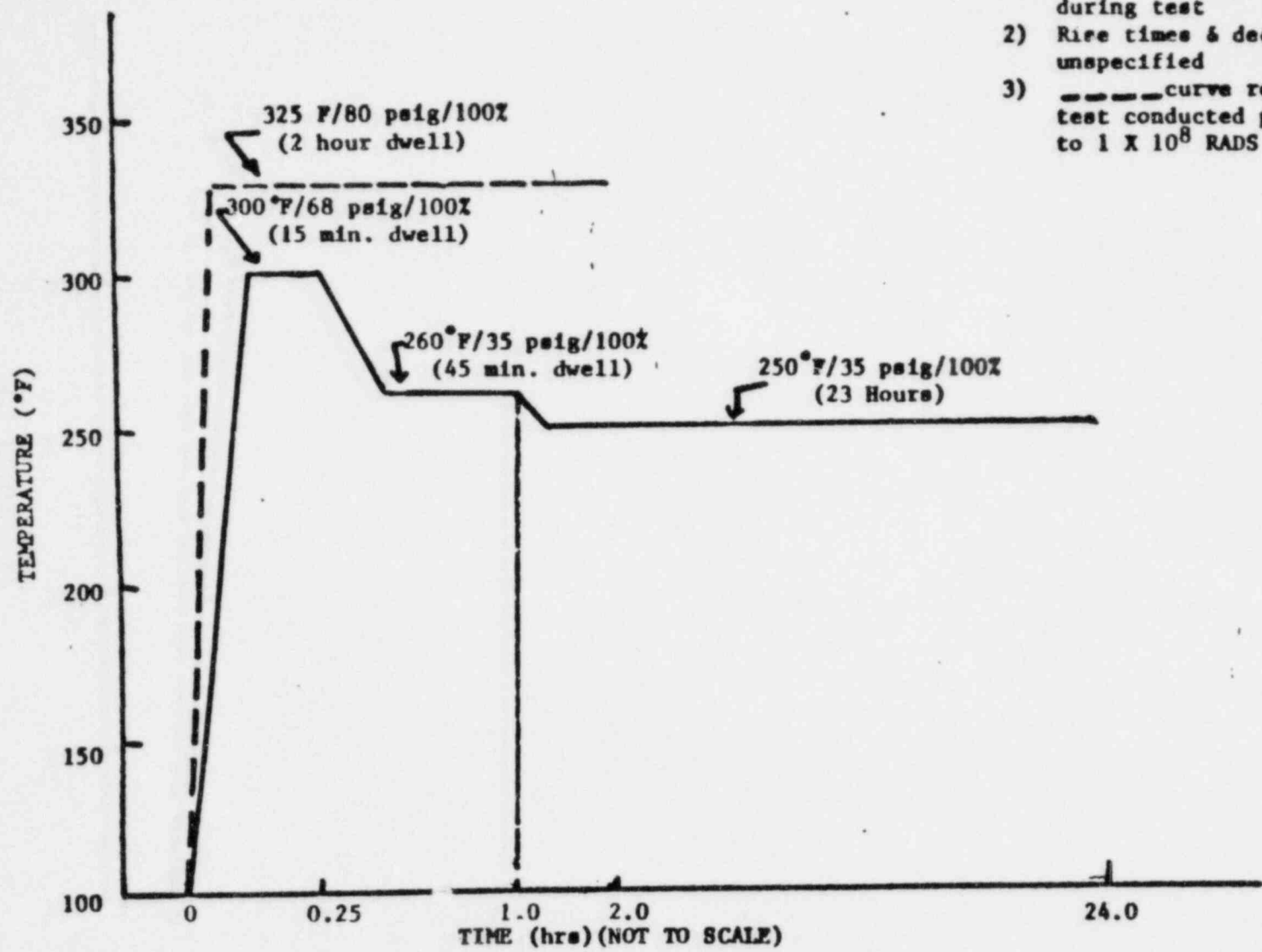


Figure 1. Test Profile — OKONITE ENGINEERING REPORT No. 127 9/24/71
TEST CURVE # 4

NOTE: 12, P. 42 9/15/80

- 1) 1900 PPM Boric Acid continuous during test
- 2) Rise times & decay times unspecified
- 3) --- curve represents autoclave test conducted prior to irradiation to 1×10^8 RADS



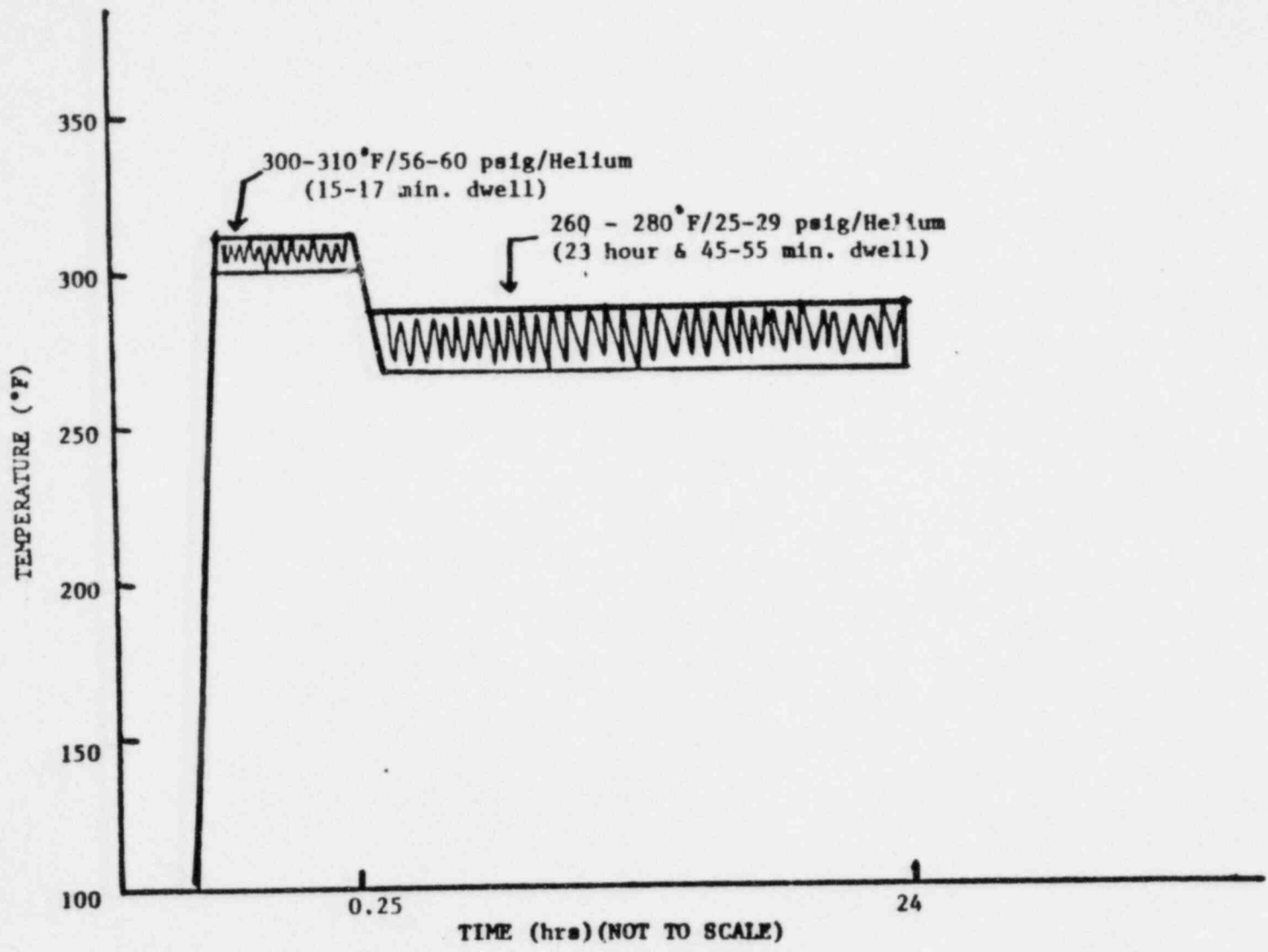
POOR ORIGINAL

Temperature/Pressure Profile for Conax Penetrations from Test Report IPS-42; Rev. A

TEST CURVE
5

re: b; DMN 7/5/80

i) Rise and Decay times unspecified



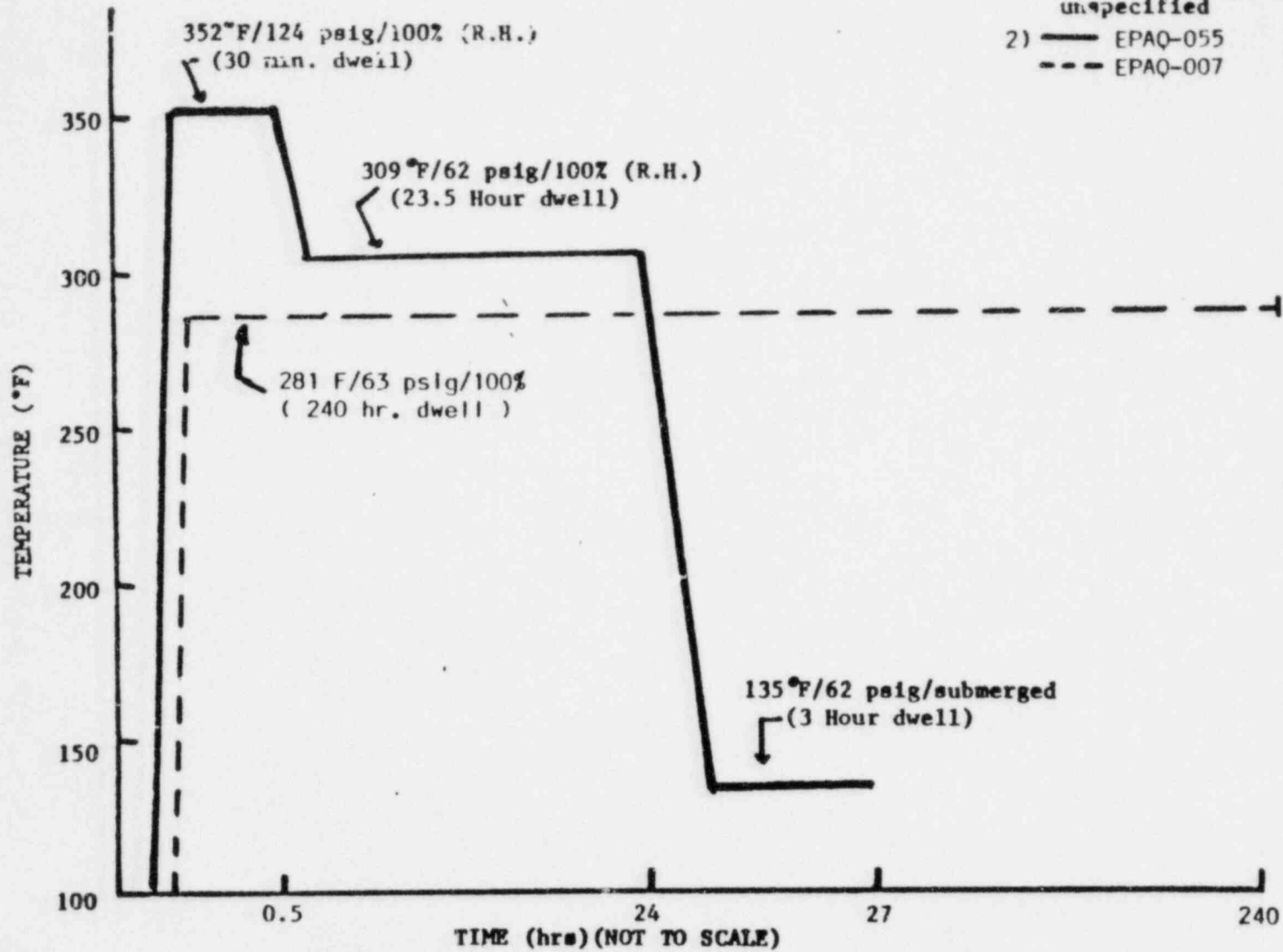
Temperature/Pressure Profile For Physical Science 5 KV Penetration From SPSS - QC - 206

TEST CURVE
#6

made by Phil 3/1/70

1) Rise and Decay times unspecified

2) — EPAQ-055
--- EPAQ-007

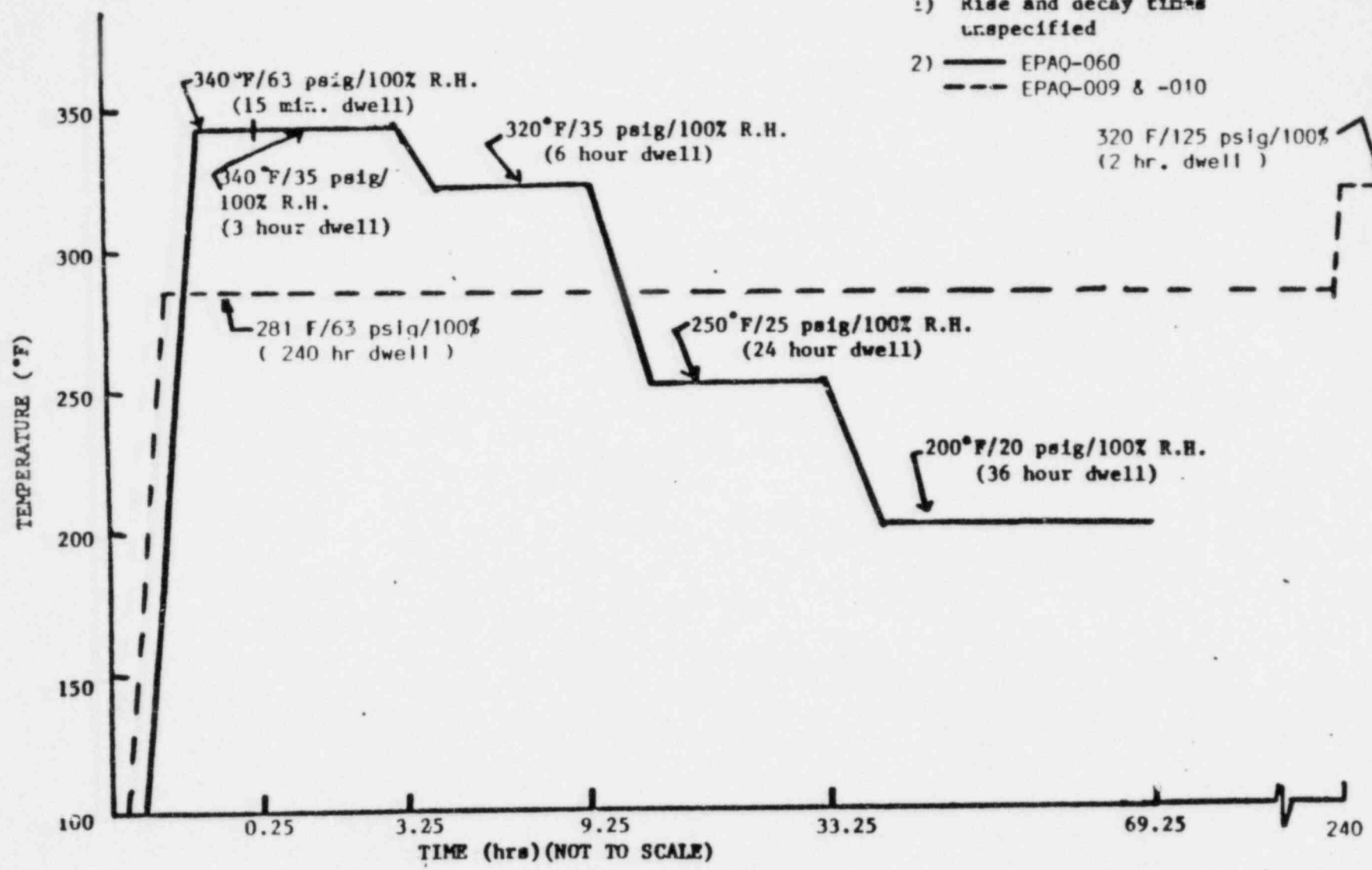


Temperature/Pressure Profile For GE 600 V Power & Control Penetrations from EPAQ-055, EPAQ-007

TEST CURVE #7

Note: by PMH 3/5/80

- 1) Rise and decay times unspecified
- 2) — EPAQ-060
--- EPAQ-009 & -010

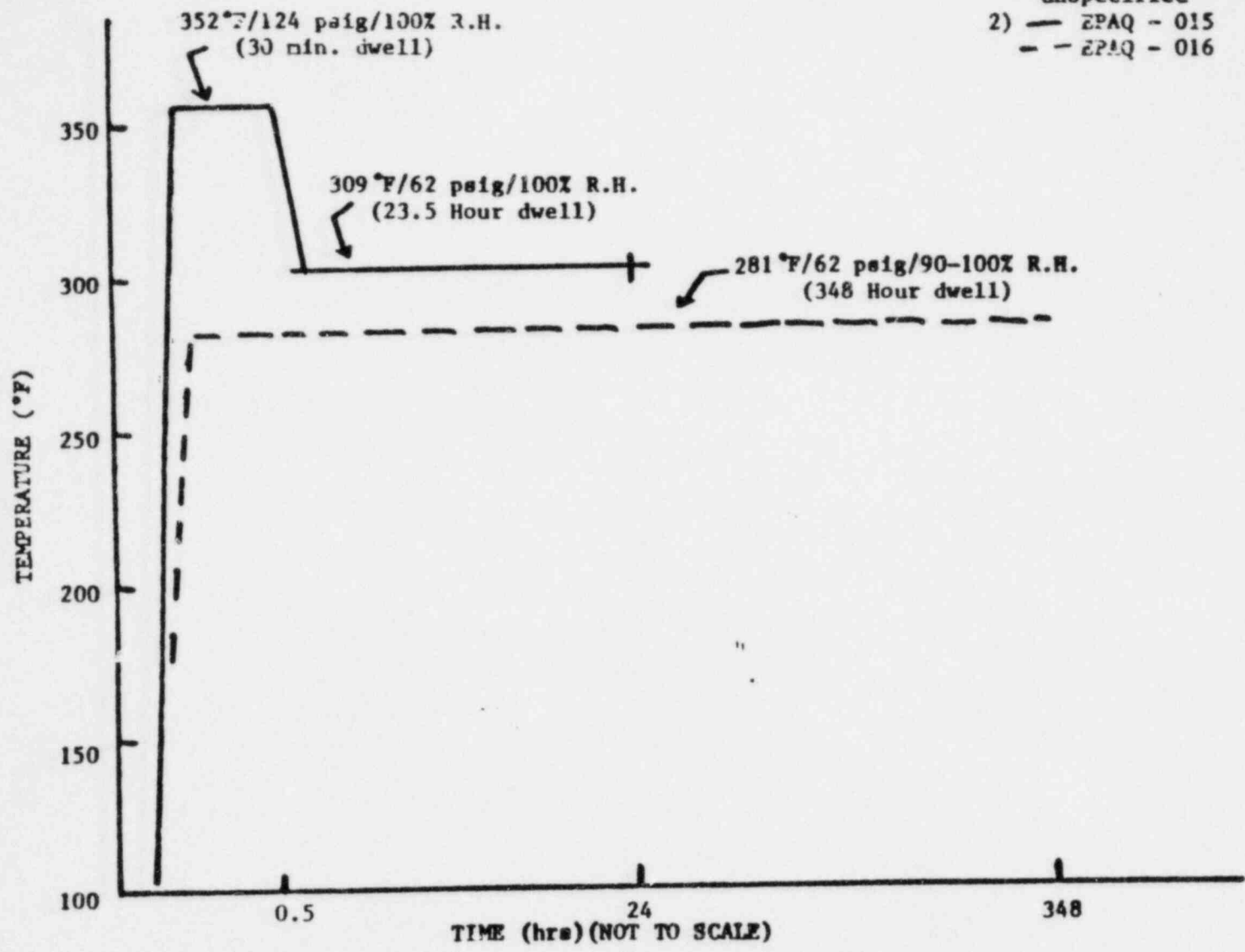


Temperature/Pressure Profile for GE Shielded Signal Penetrations from EPAQ-060, EPAQ-009, EPAQ-010

TEST CURVE #8

3/1/80 "H

- 1) Rise and Decay times unspecified
- 2) — EPAQ - 015
- EPAQ - 016



POOR ORIGINAL

Temperature/Pressure Profile For GE SIS WIRE SI-57275
FROM EPAQ -015 & - 016

TEST CURVE
9

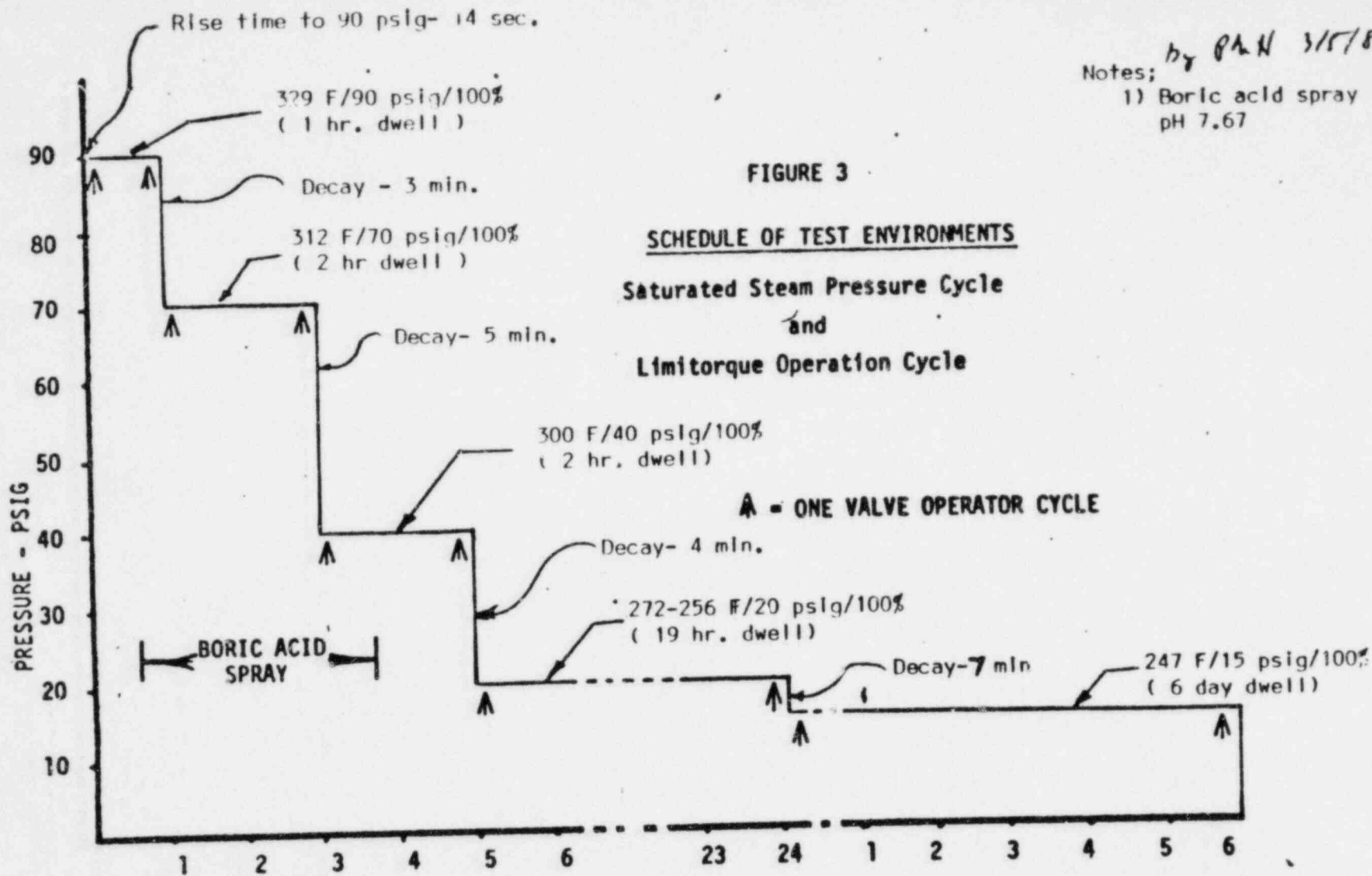


FIGURE 3

SCHEDULE OF TEST ENVIRONMENTS

Saturated Steam Pressure Cycle
and
Limitorque Operation Cycle

TIME-HOURS

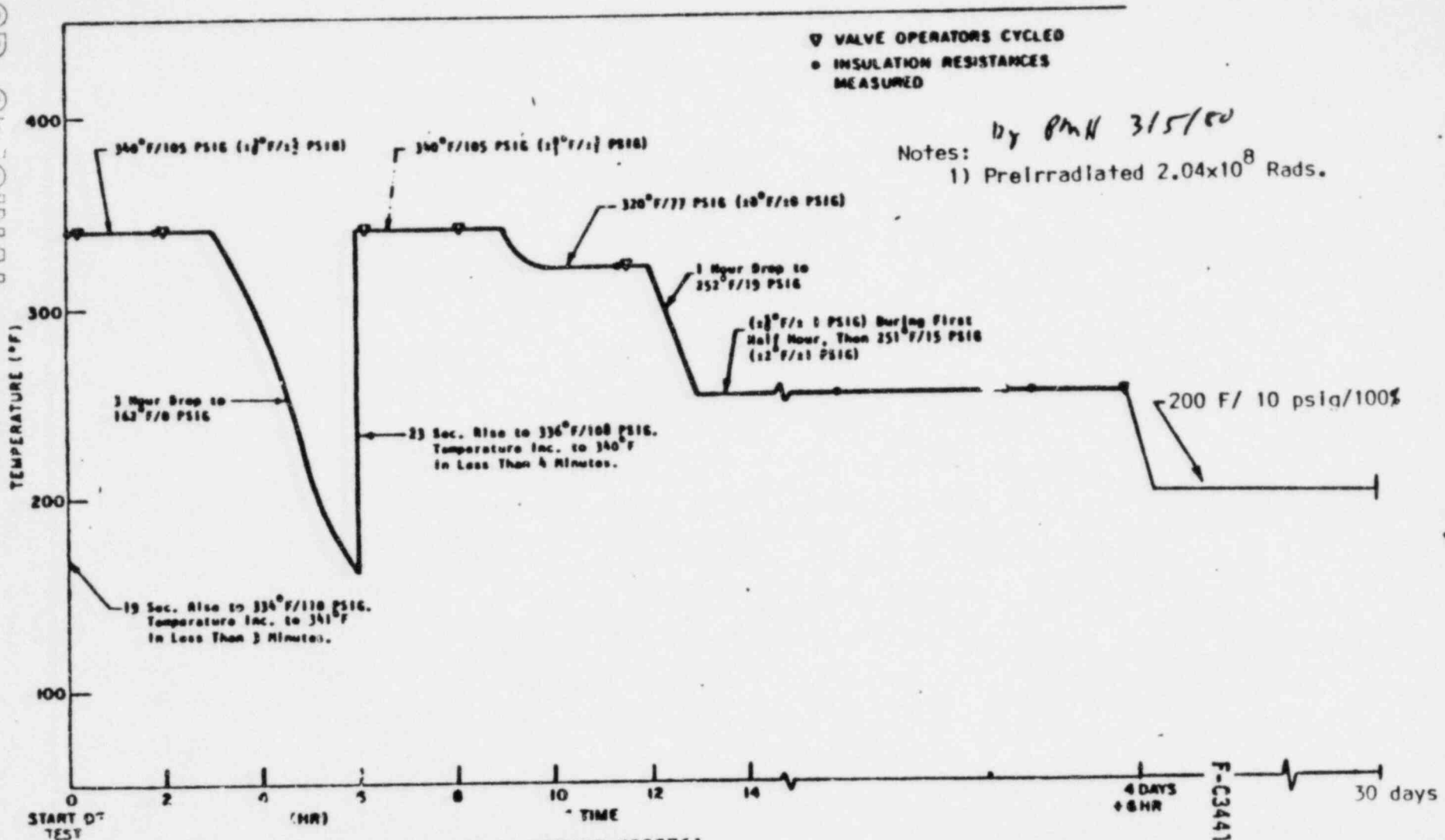
TIME-DAYS

from FIRL test F-C2232-01 : TEST OF A LIMITORQUE VALVE OPERATOR UNDER A SIMULATED REACTOR CONTAINMENT POST ACCIDENT STEAM AND CHEMICAL ENVIRONMENT
part of Limitorque test : TEST OF LIMITORQUE VALVE OPERATOR TO MEET GENERAL REQUIREMENTS OF AN ELECTRIC VALVE ACTUATOR IN NUCLEAR REACTOR CONTAINMENT ENVIRONMENT.
TEST REPORT for ORDER # 600198

TEST CURVE
#10

POOR ORIGINAL

3-5



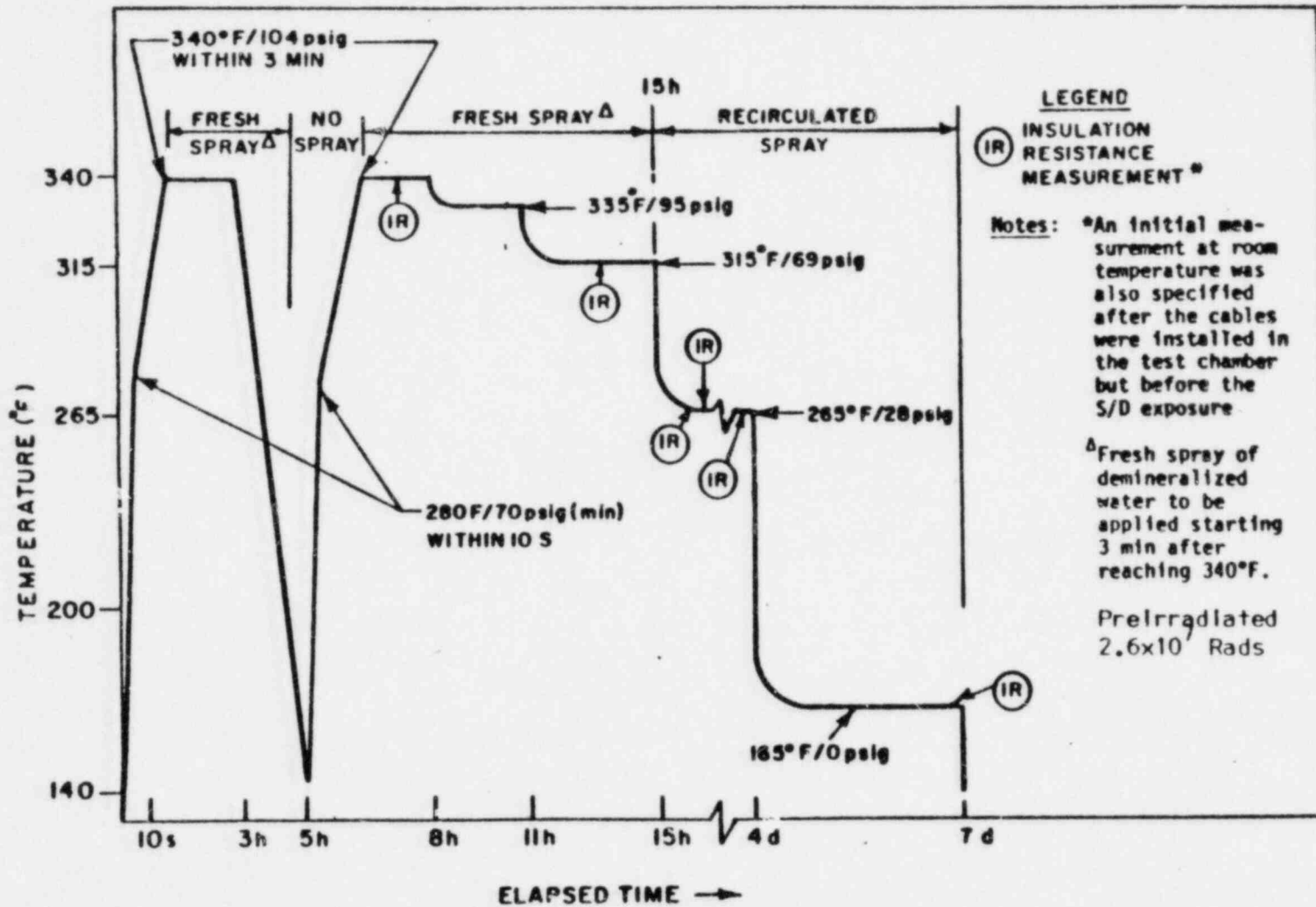
LIMTORQUE REPORT 600375A

Figure 3. Actual Steam Exposure Profile

TEST CURVE # 11

POOR ORIGINAL

3-11



by P.H. 3/5/80

F-C5022-2

from PHILADELPHIA ELECTRIC test: QUALIFICATION TESTS OF TERMINAL BLOCKS and SPLICE-INSULATING ASSEMBLIES In a SIMULATED LOSS-OF-COOLANT ACCIDENT ENVIRONMENT-PHASE B
Figure 16. Specified Temperature/Pressure Profile for the Steam/Demineralized-Water-Spray Exposure

TEST CURVE # 12

NOTE: by PWD 3/5/80
 1) Preirradiated 2×10^6 Rads
 2) 3000 ppm Boric Acid spray:
 Ph 10; from +10 sec to end
 of test

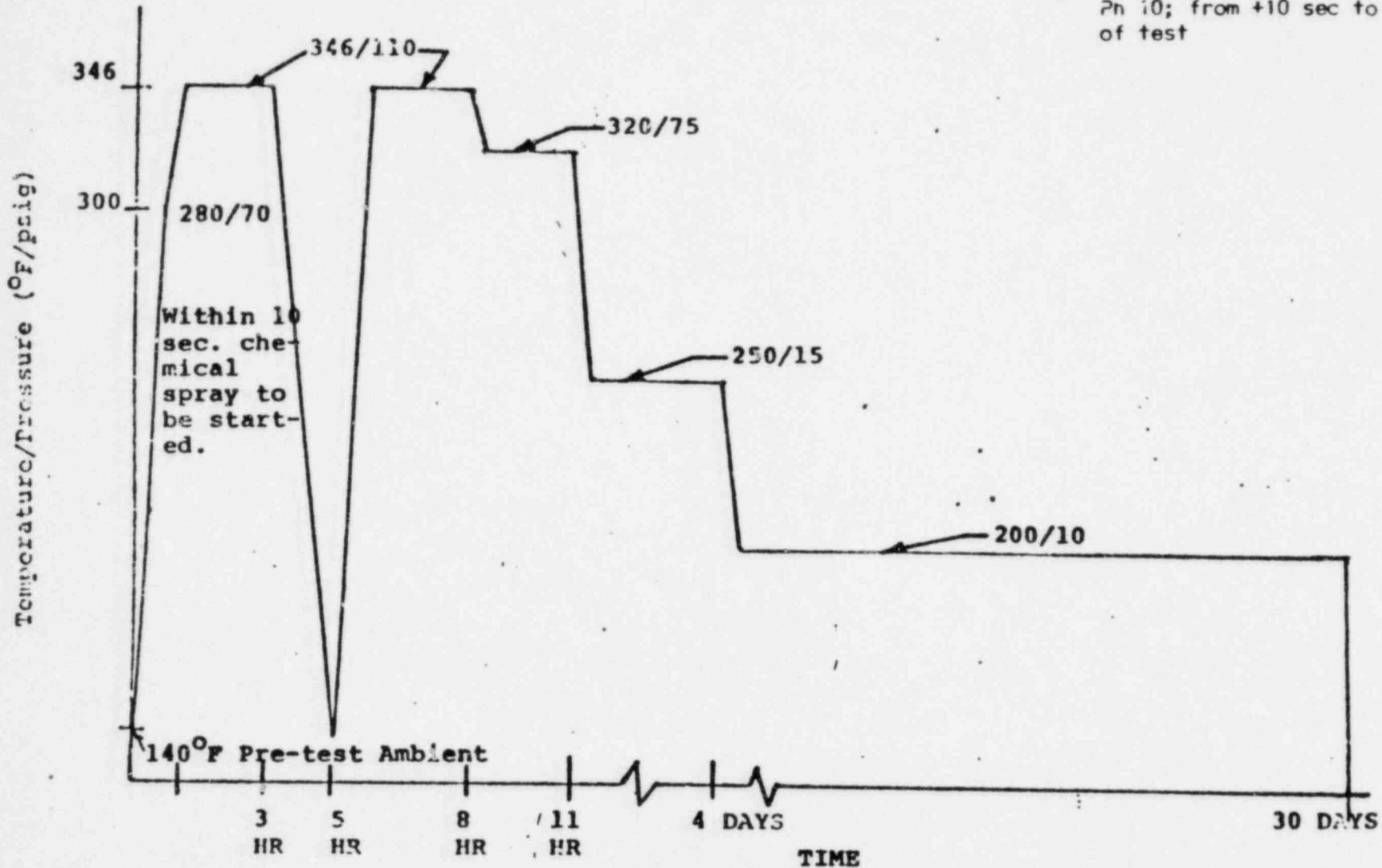


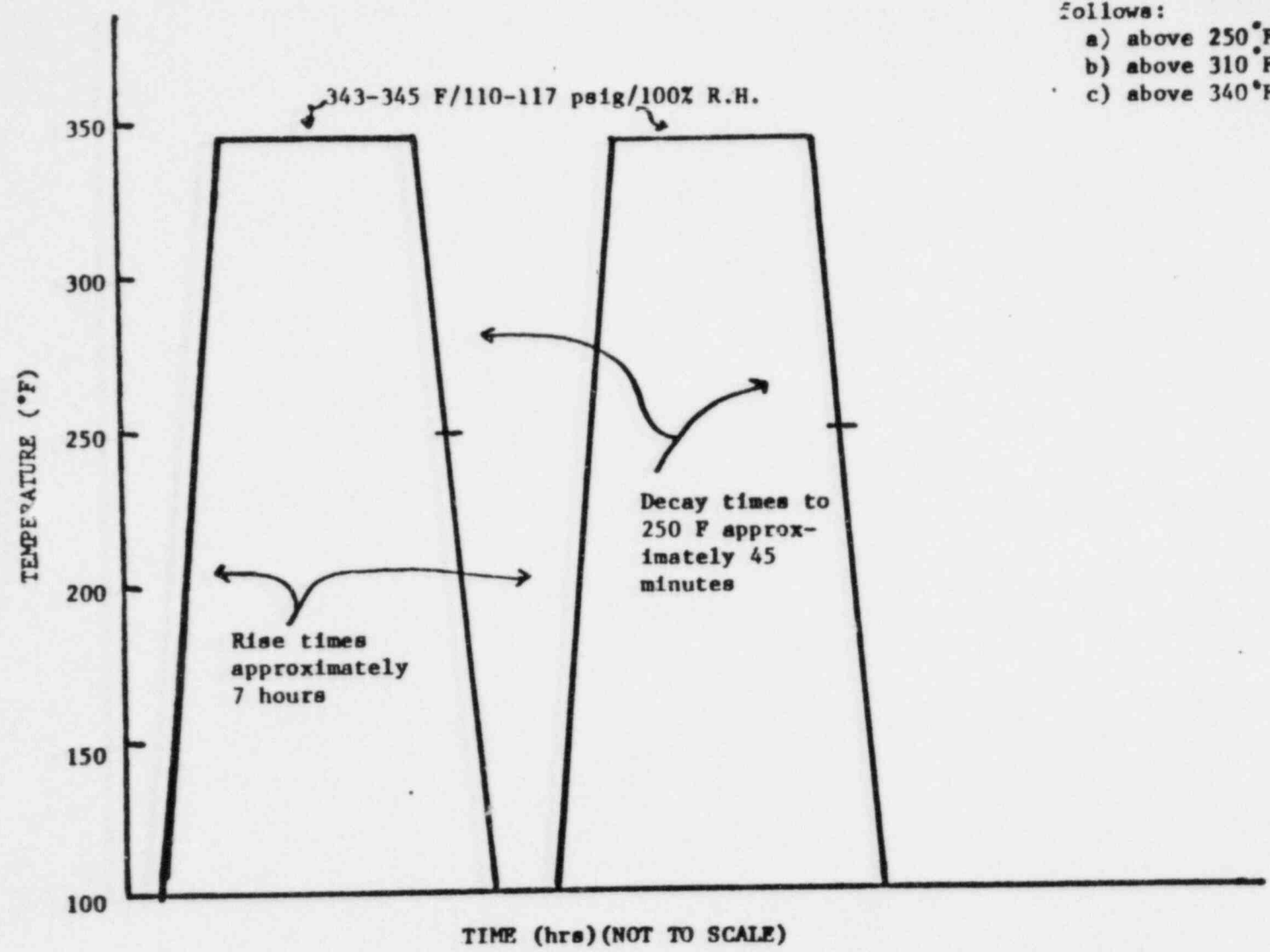
FIGURE 2
 ACTUAL LOCA SIMULATION BY ENVIRONMENTAL
 EXPOSURE (STEAM/CHEMICAL)

4-21

Temperature/Pressure Profile for simulation of loss-of-coolant accident (LOCA) design basis event (DBE) by steam/chemical-spray environmental exposure. TEST CURVE # 13

NO. 28: '0' 13/150

- 1) Combined total temperature exposure for both tests as follows:
- a) above 250°F: 9.3 Hours
 - b) above 310°F: 5.5 Hours
 - c) above 340°F: 3.3 Hours

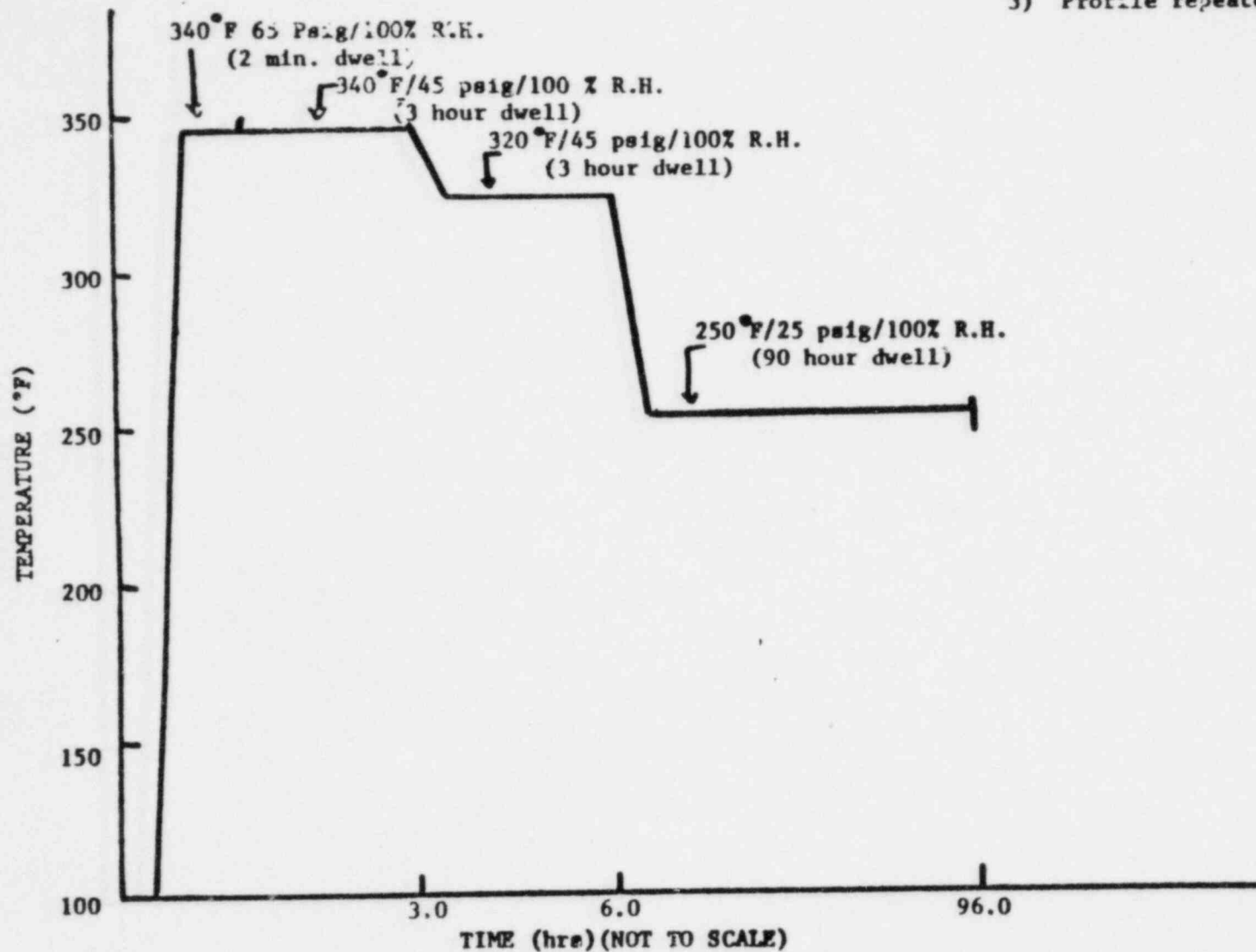


Temperature/Pressure Profile For MSIV SOV's From Rockwell RPT 2792 - 03 -02, Exhibit 10.

TEST CURVE # 14

Note: by Plan 3/1, 50

- 1) Rise & Decay times unspecified
- 2) Preirradiated to 3×10^7 RADS
- 3) Profile repeated 4 times



POOR ORIGINAL

Temperature/Pressure Profile For Various SOVS From Test #7 GE Plant
Equipment Design Engineering Memorandum No. 126-62

TEST CURVE
15

Chamber temperature and pressure were monitored continuously on strip-chart recorders. The locations of the thermocouple junctions were as shown in Figure 5.

A list of the data acquisition instruments used in the test program is included as Appendix A.

Radiation Dosimetry data are included as Appendix B.

3.5 COMBINED RADIATION AND THERMAL AGING EXPOSURE

The specimens were electrically energized as stated in Section 3.3, while simultaneously thermally aged at 150°C (302°F) and irradiated to an air-equivalent dose of 5×10^7 rads. The vessel was electrically heated. During this exposure air was circulated through the test vessel by an external blower. Insulation resistance measurements were made during and after this exposure.

Note: An air-equivalent dose means that the volume occupied by the specimens receives an isotropic flux of gamma radiation equivalent to the radiation dose that would result if the volume contained only air.

Following the combined radiation-thermal aging exposure, the specimens were simultaneously exposed to steam, chemical-spray and gamma radiation (S/C/R) as illustrated in Figure 8.

A chemical spray consisting of 3000 ppm boron as boric acid, 0.064 molar sodium thiosulfate and adjusted with sodium hydroxide to a pH of 10.5 at room temperature, was applied at the rate of 0.15 gpm per square foot (100 ml per second per square meter) of spray area (See Section 3.2). Fresh heated spray solution was used for the first hour of the profile. Thereafter, the spray solution was recirculated from the reservoir at the bottom of the chamber. The pH was monitored periodically, and was maintained within the range of 9.5 to 11.0 by addition of fresh solution.

During the S/C/R exposure, the specimens were energized as indicated in Section 3.3.

3.7 MANDREL WRAP AND HIGH-POTENTIAL WITHSTAND TESTS

After the S/C/R exposure, before the test vessel was removed from the radiation hot cell, it was filled with tap water and insulation resistance measurements and preliminary

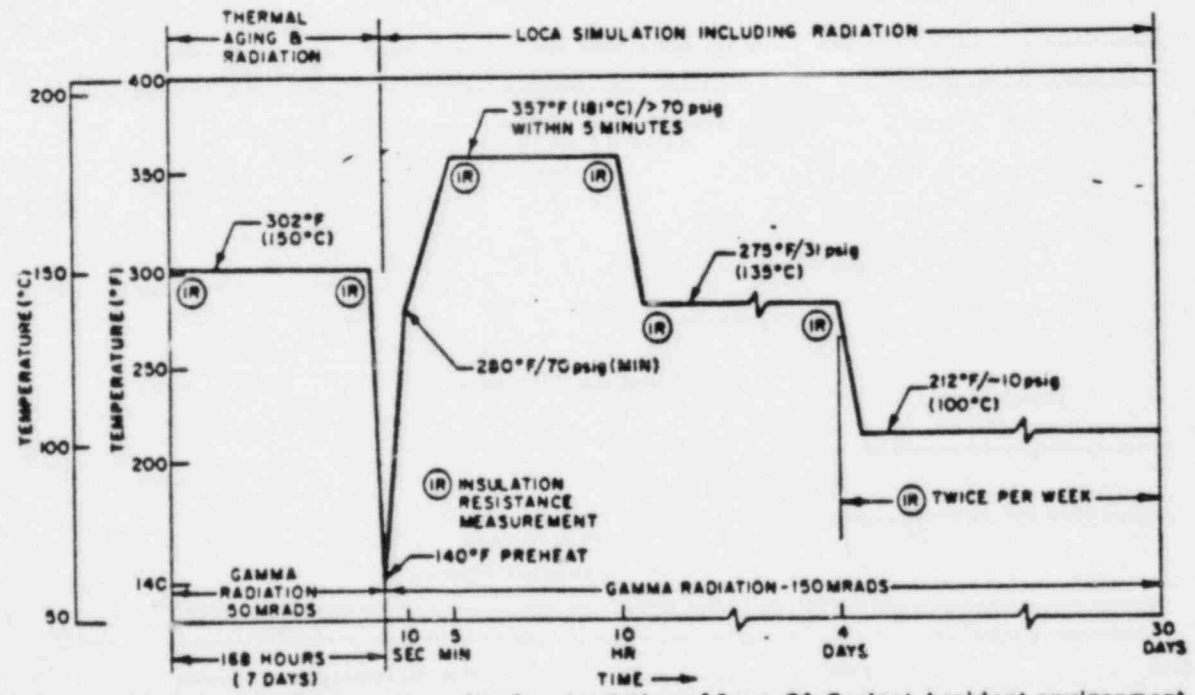


Figure 8. Temperature/pressure profile for simulation of Loss-Of-Coolant Accident environment.

from FIRL Report: F-C4033-3 ; TESTS OF RAYCHEM THERMOFIT INSULATION SYSTEMS UNDER SIMULTANEOUS EXPOSURE TO HEAT, GAMMA RADIATION, STEAM AND CHEMICAL SPRAY WHILE ELECTRICALLY ENERGIZED

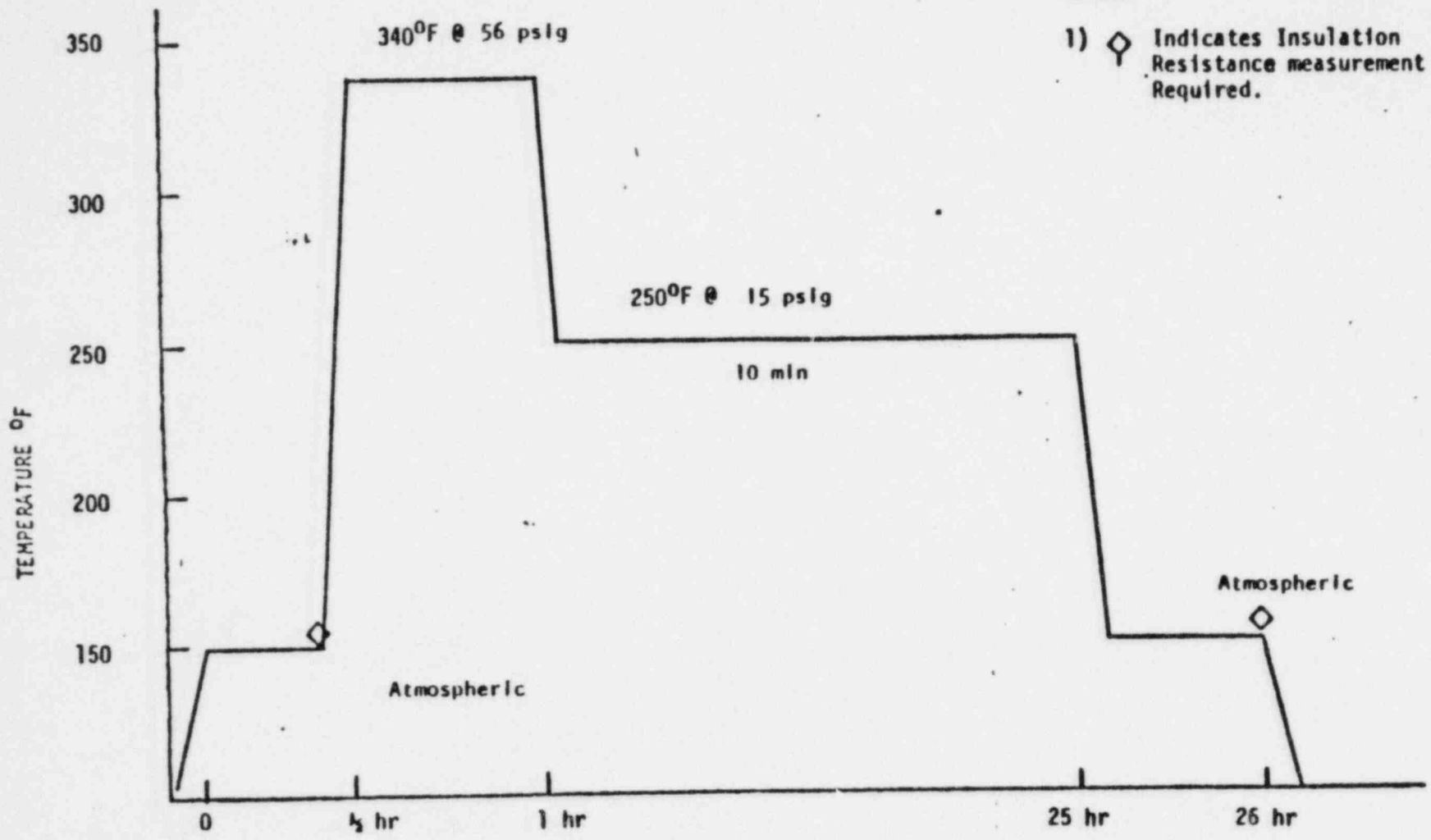
TEST CURVE # 16

ny 2/11/70

by PMH 3/5/80

NOTES:

- 1) \diamond Indicates Insulation Resistance measurement Required.



-4-

Page 10
WYLE Report 43905-2

TIME - NOT TO SCALE
Accident (LOCA) test on two electrical cable splice assemblies for Boston Edison Co.

FIGURE 2
TEMPERATURE-PRESSURE PROFILE

TEST CURVE
17

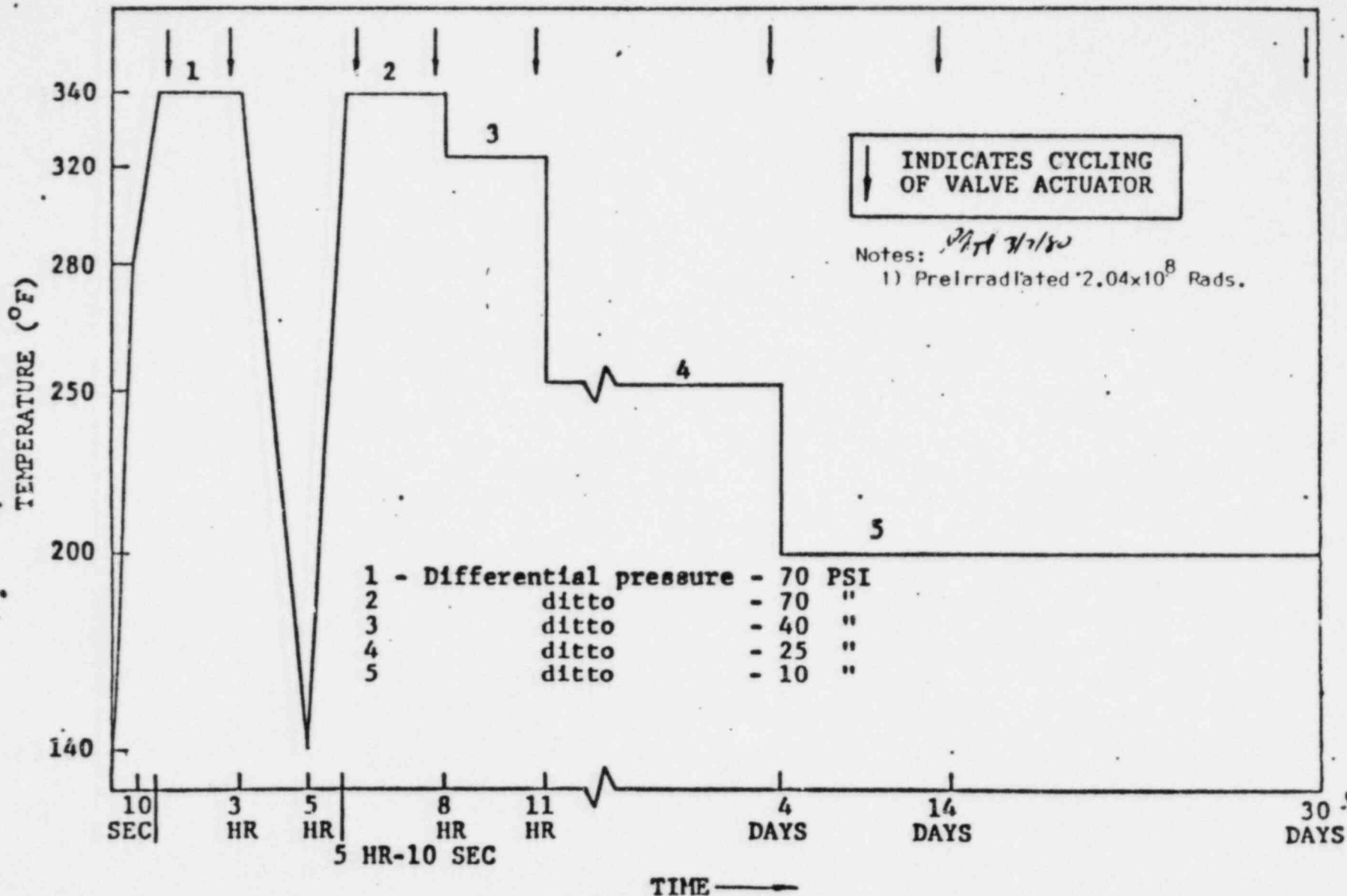


Fig 1
 Test Chamber Temperature Profile for Accident Environment Simulation
 (Taken from IEEE Standard 382-1972)

from test report: QUALIFICATION OF NAMCO CONTROLS LIMIT SWITCH MODEL EA-740 2/20/78

TEST CURVE
 #18

823

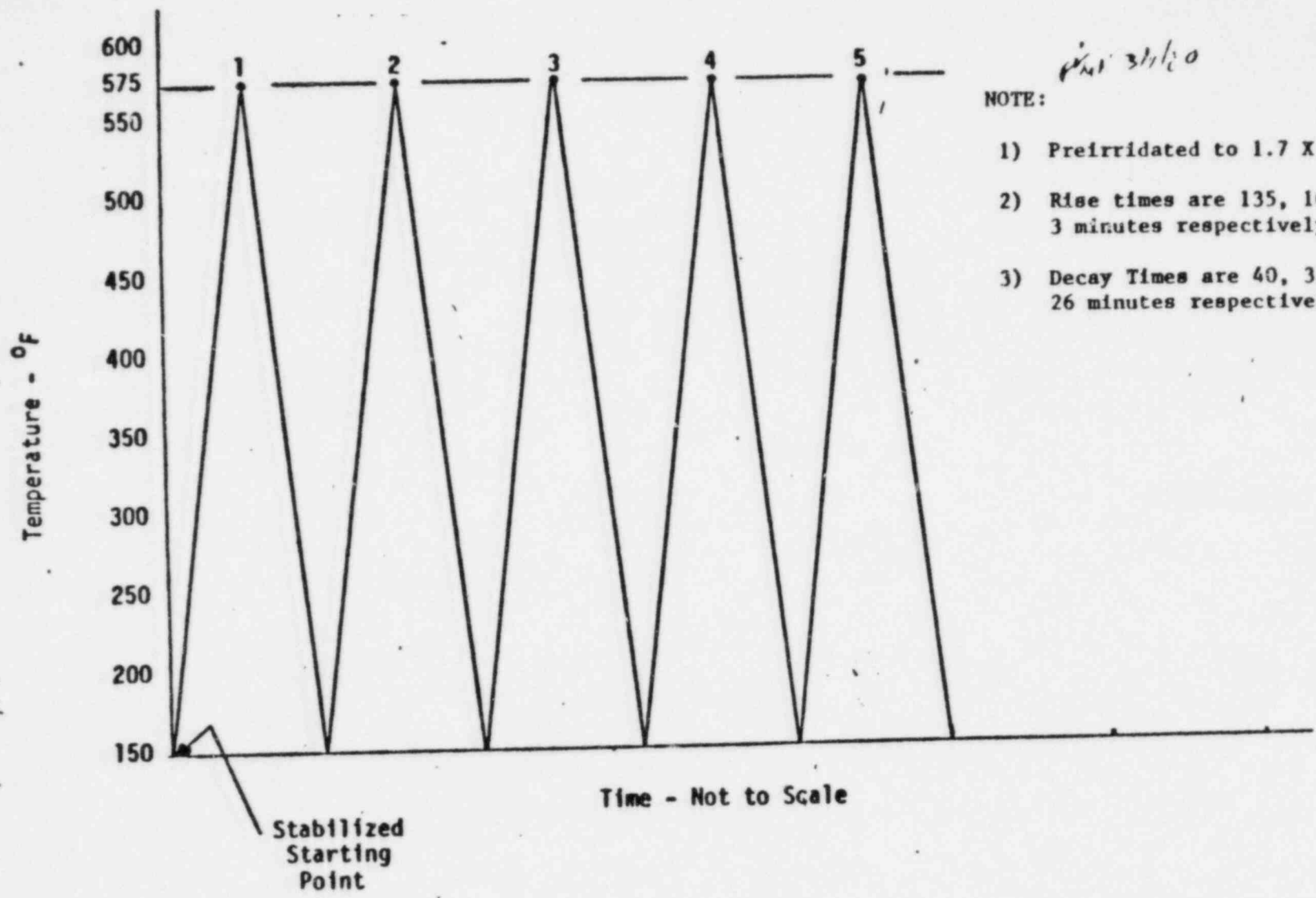
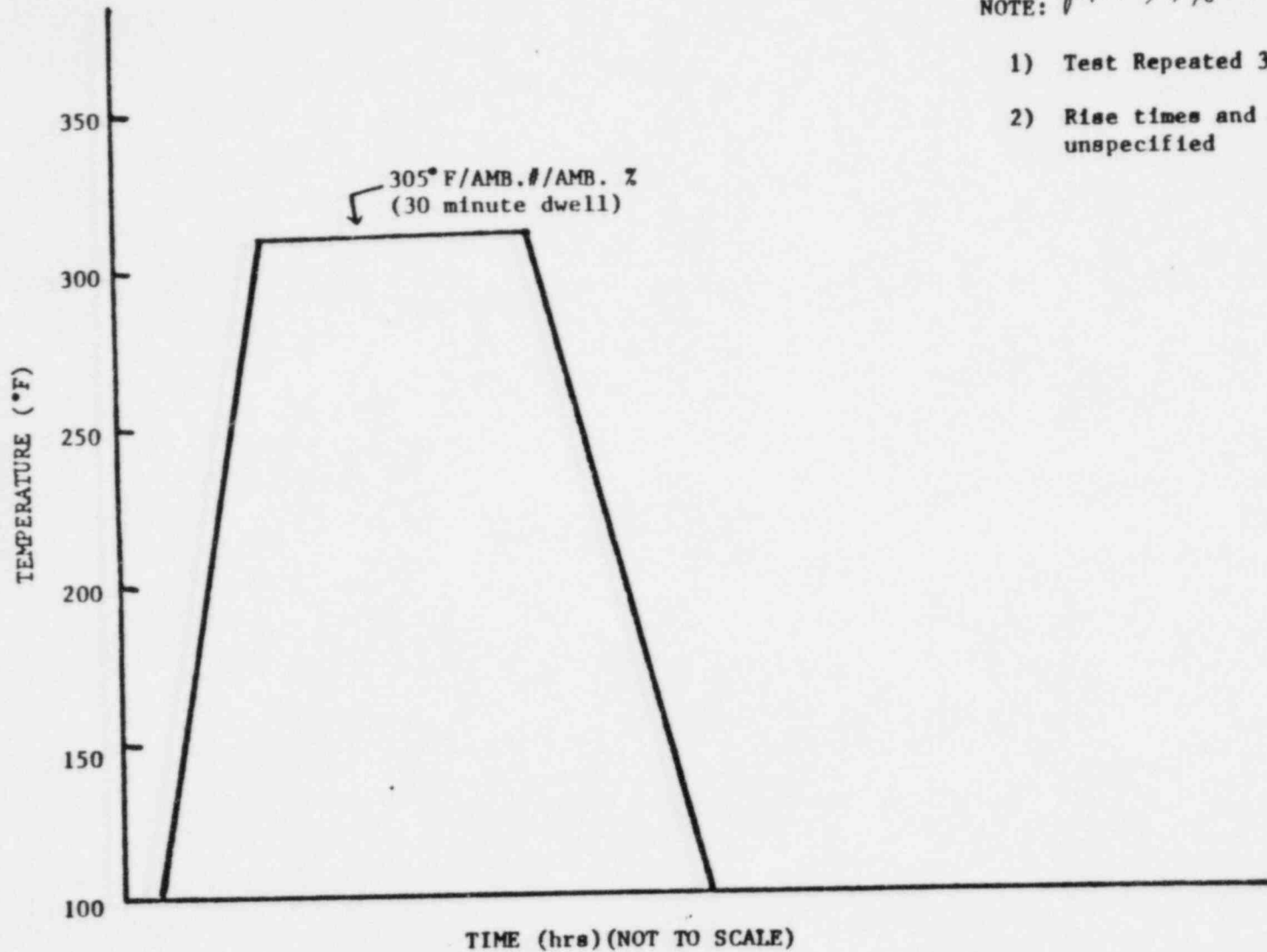


Figure 4. Postulated Steam Impingement Environment Profile
 from WYLE Test Report 43854-1: a test of Fenwal # 17002-40 temperature switch
 and AMPHENOL Connector

TEST CURVE # 19



NOTE: *pt. 31/80*

- 1) Test Repeated 3 times
- 2) Rise times and decay times unspecified

Temperature/Pressure Profile from GE file DVI45C3004; Fenwal RPT.
6350 test #5 on a Fenwal #17322-0 temperature switch.

TEST CURVE #20

Qualification Type Test Report

Limitorque Valve Actuators

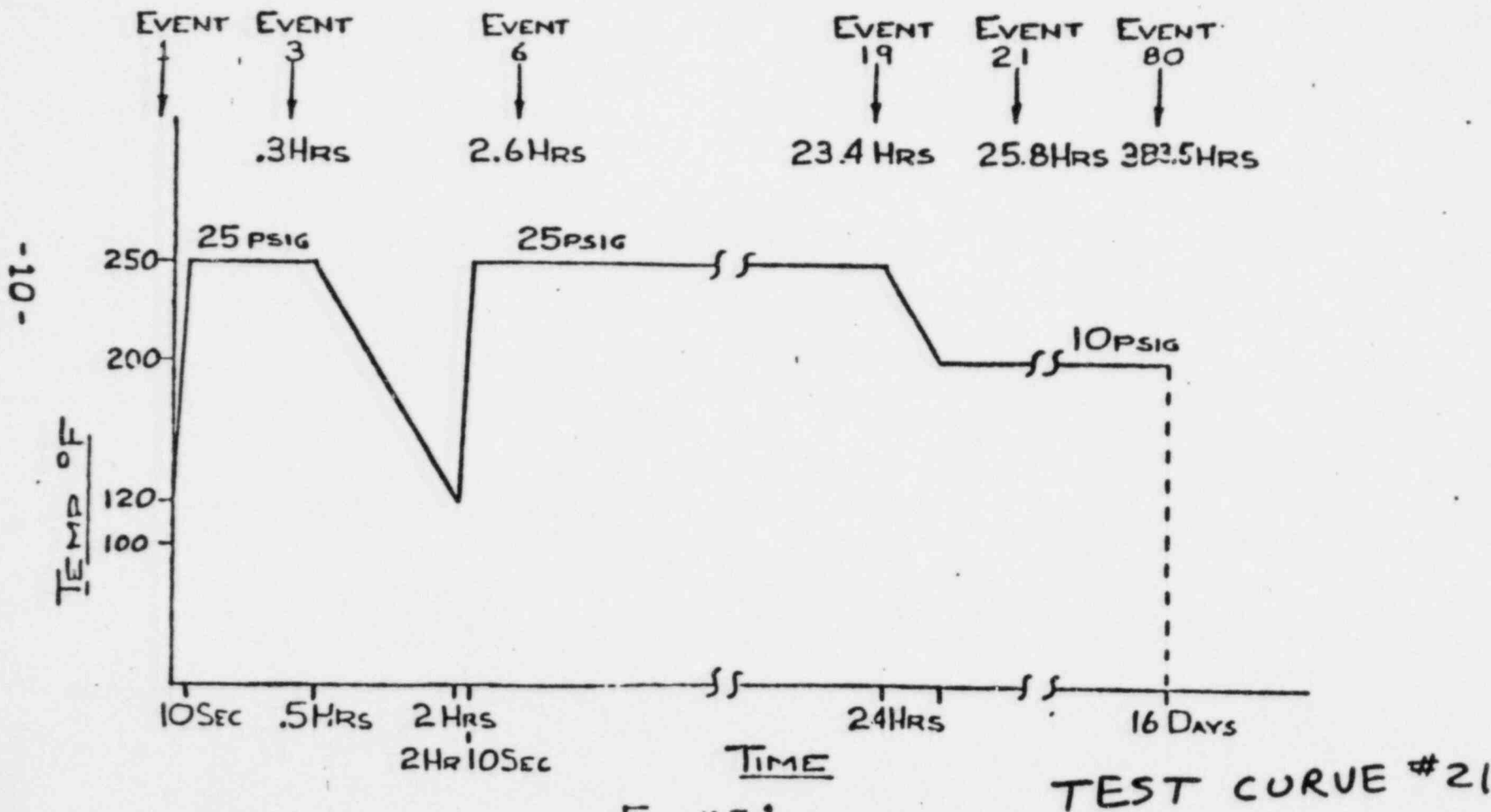
For Class 1E Service

Outside Primary Containment

Notes: *PH 3/11/80*
1) preirradiated to 2×10^7 rads

TEMPERATURE PROFILE

REPORT NO. B0003



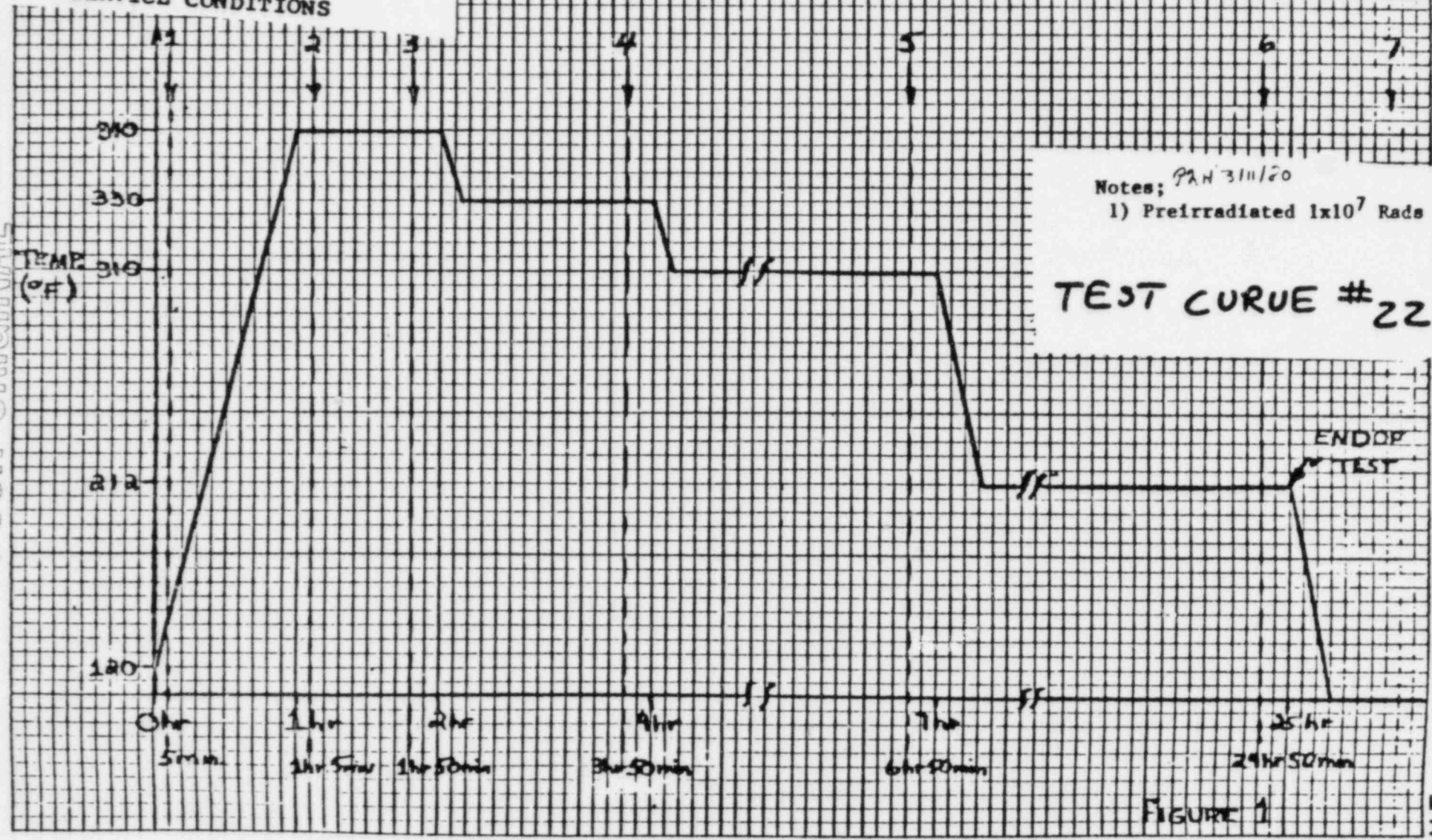
TEST CURVE #21

QUALIFICATION TYPE TEST REPORT
 LIMITORQUE DC VALVE ACTUATORS
 FOR NUCLEAR POWER STATION

REPORT NO. B-0009

3 - EVENT

SERVICE CONDITIONS



Notes; PAN 3111/20
 1) Preirradiated 1×10^7 Rads

TEST CURVE #22

END OF TEST

FIGURE 1

POOR ORIGINAL

10

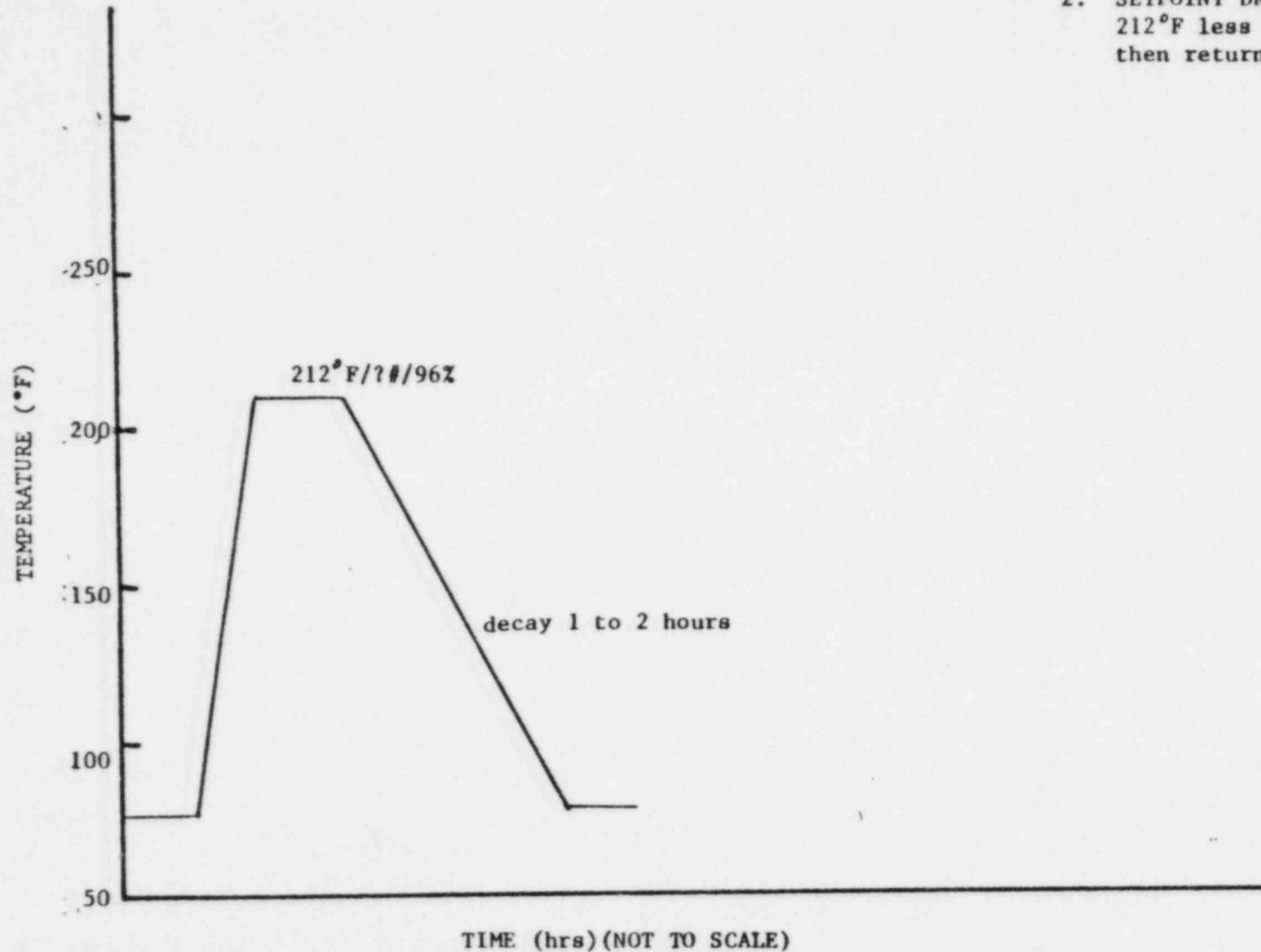
REUFFEL B 121 7 C
 MAR 10 1961

12 8708
 10 x 10 TO THE INCH

K-2

CHUN 3/20/80

- NOTE: 1. Rise time and dwell unspecified
2. SETPOINT DRIFT for 80°F-212°F less than -10% and then returning

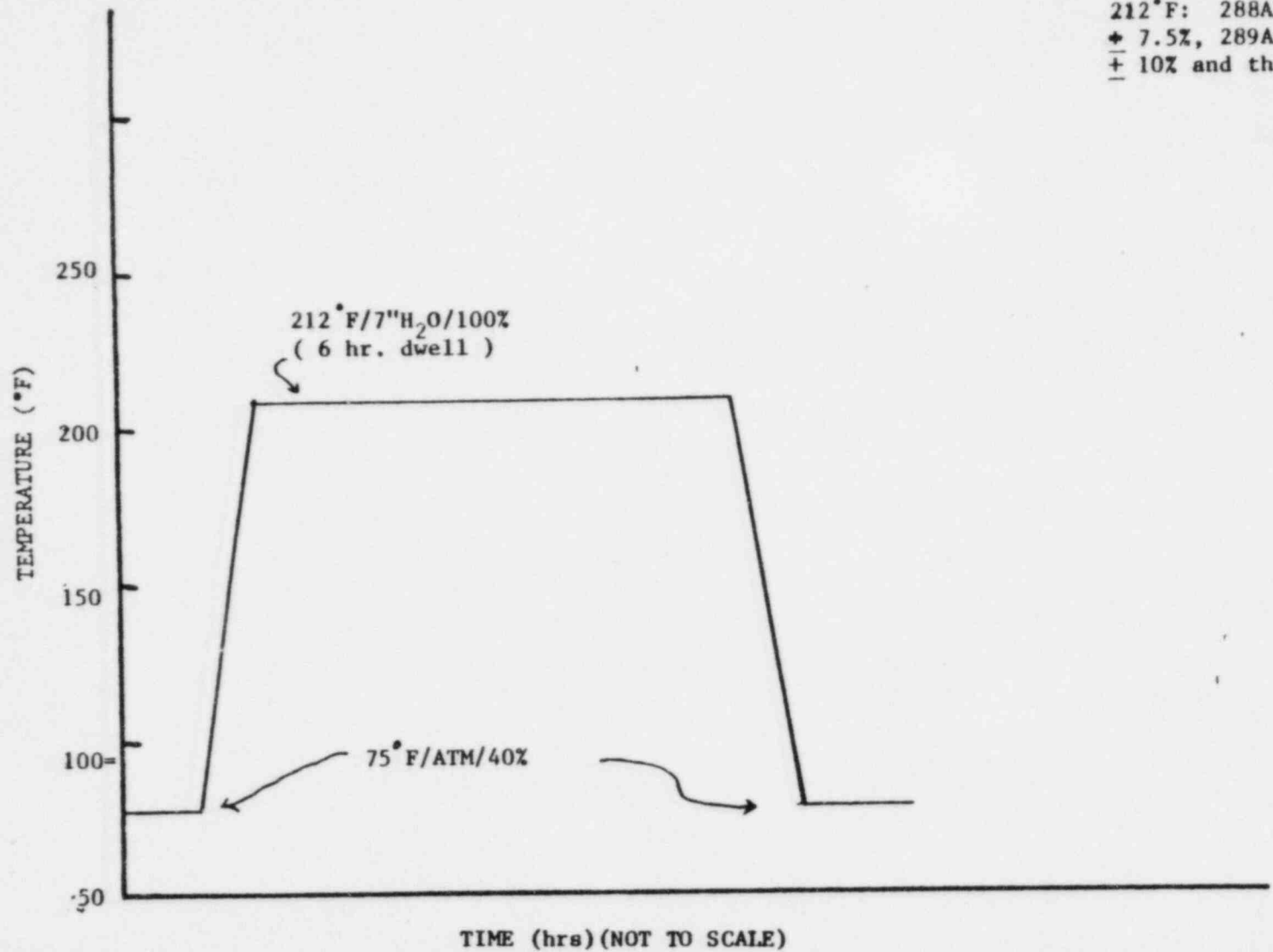


Temperature/Pressure Profile for YARWAY #4418Ec: from:
Lockheed Test
RPT #3232-3155, part of G. E. RPT 145C3031

TEST CURVE
23

PH 3/20/80

- NOTE: 1. Rise and decay time unspecified
2. SETPOINT DRIFT for 75°F-212°F: 288A - less than ± 7.5%, 289A - less than ± 10% and then returning

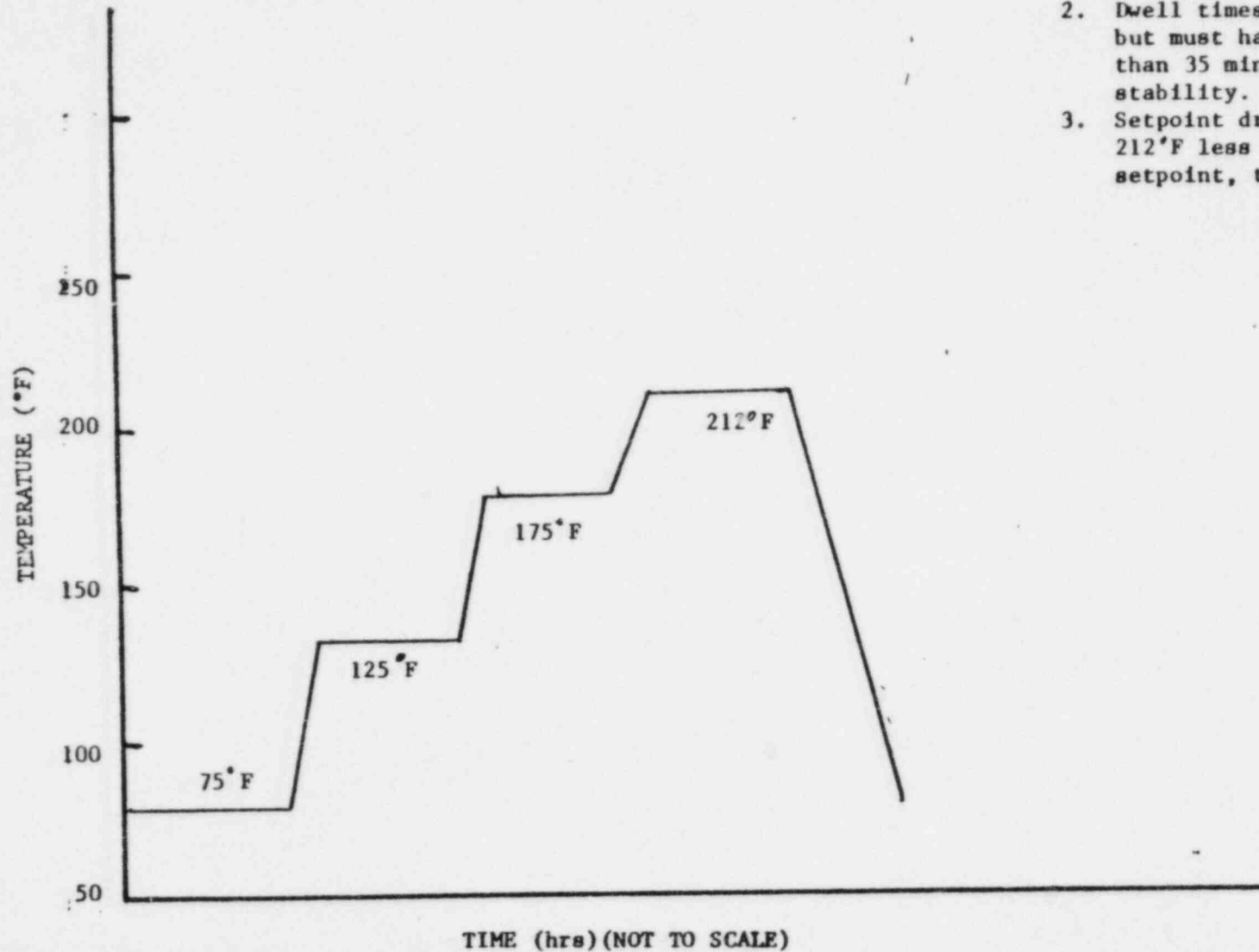


Temperature/Pressure Profile from:
Qualification Test Procedure for Barton 288A & 289A
Indicating Switches #9999.1217.2, part of G. E. RPT 145C3008 and 145C3009

TEST
CURVE
#24

PMA 3/20/80

- NOTE:
1. Rise and decay times unspecified
 2. Dwell times not specified, but must have been greater than 35 minutes to insure stability.
 3. Setpoint drift for 75°F-212°F less than +5% of setpoint, then returning

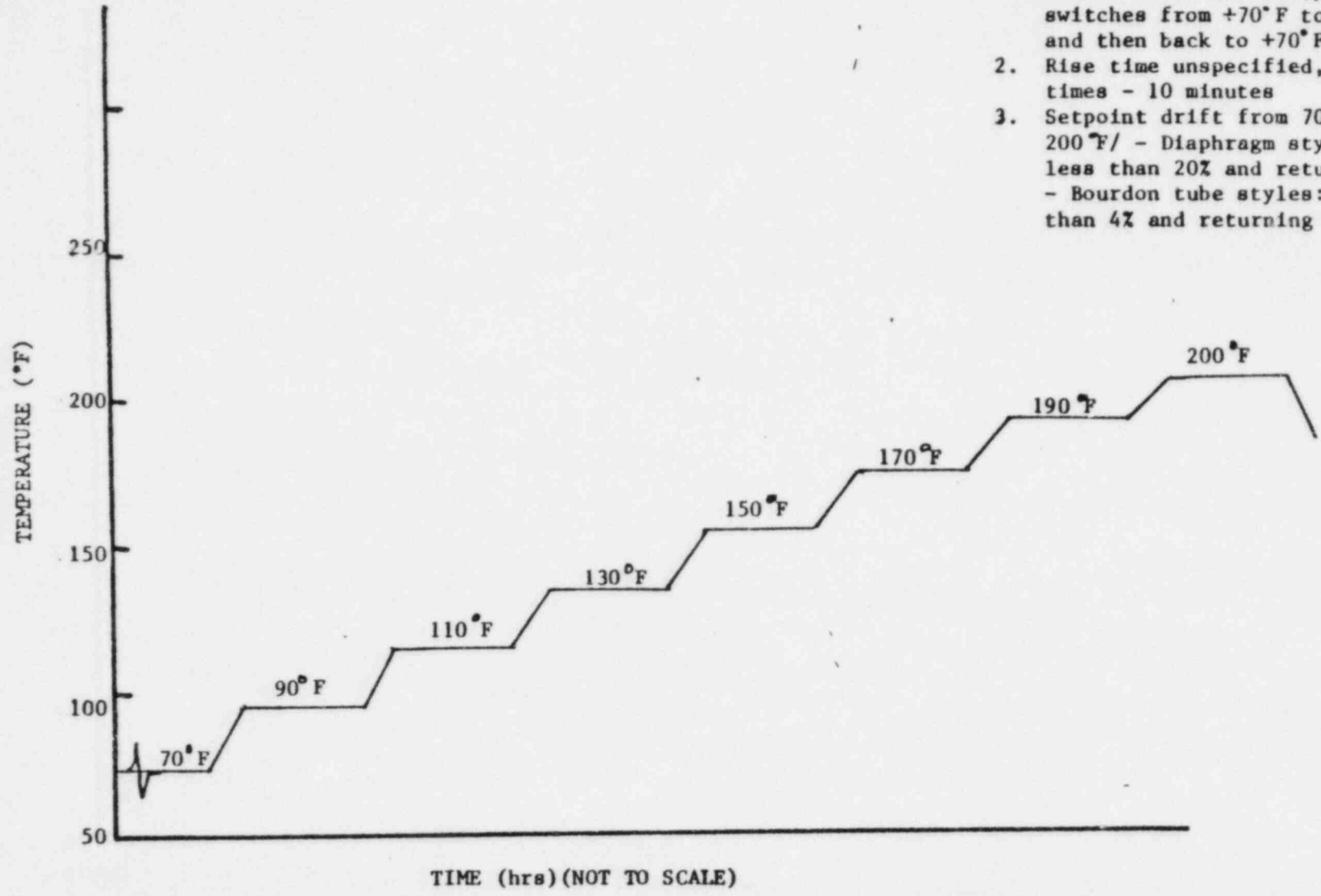


Temperature/Pressure Profile For Barton 288A Switch from:
Barton Engineering RPT
R1 - 288A - 16, part of G. E. RPT 145C3009

TEST
CURVE
#25

PHN 3/10/80

- NOTE: 1. This is last portion of a test which initially tested switches from +70°F to -65°F and then back to +70°F.
2. Rise time unspecified, dwell times - 10 minutes
3. Setpoint drift from 70°F - 200°F/ - Diaphragm styles: less than 20% and returning - Bourdon tube styles: less than 4% and returning

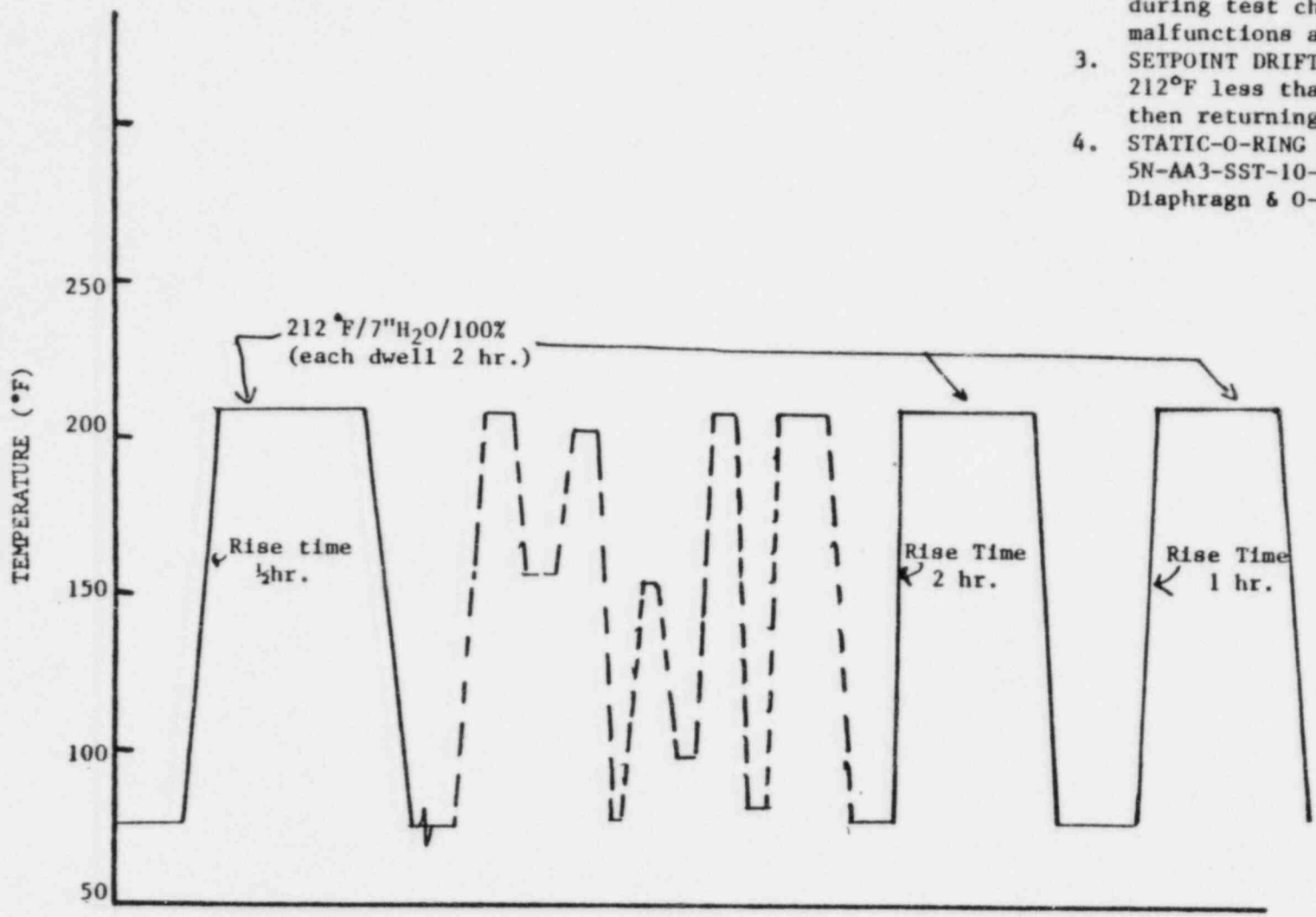


Temperature/Pressure Profile from Wyle Test Report for Job #1085;
"Temperature Calibration Test on Seven Barksdale Switches"
Part of G. E. RPT 145C3010, 134C3046, 145C3028

TEST CURVE
#26

P: ... 3/2, 10

- NOTE:
1. Decay times not specified
 2. dashed portion depicts temperature excursions during test chamber malfunctions and repairs
 3. SETPOINT DRIFT for 74°F-212°F less than -10% and then returning
 4. STATIC-O-RING Model 5N-AA3-SST-10-Viton Diaphragm & O-RING

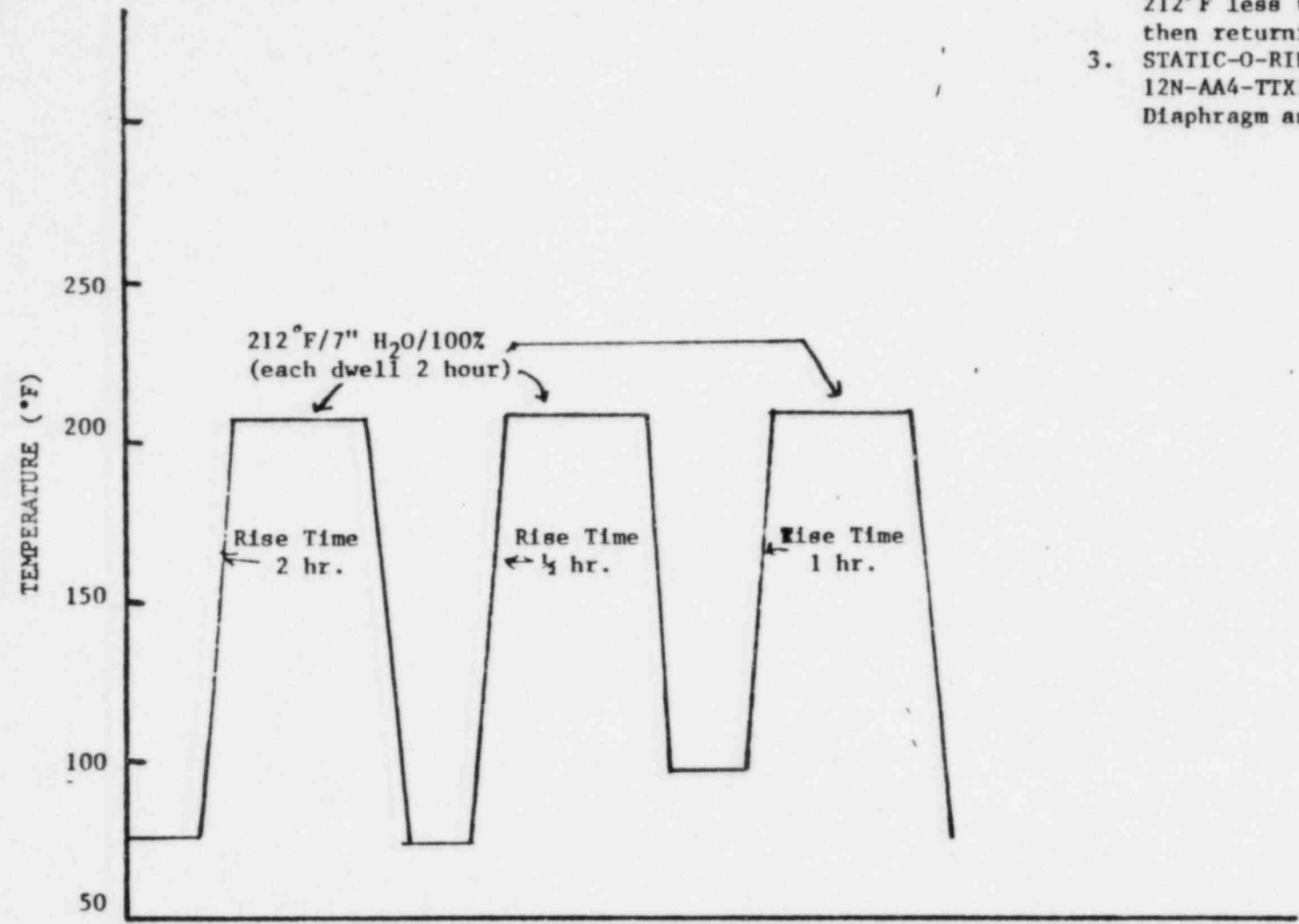


TIME (hrs) (NOT TO SCALE)
Total Test Time 5 days
Temperature/Pressure Profile For STATIC-O-RING Model 5N Switch From:
Viking Lab Environmental
Test Report #30203-1, part of GE RPT. 145C3011

TEST CURVE
#27

VMH - 1/20/0

- NOTE:
1. Decay Time Not Specified
 2. SETPOINT DRIFT for 70°F-212°F less than -10% and then returning
 3. STATIC-O-RING Model
I2N-AA4-TTX10 - BuNA-N
Diaphragm and O-RING

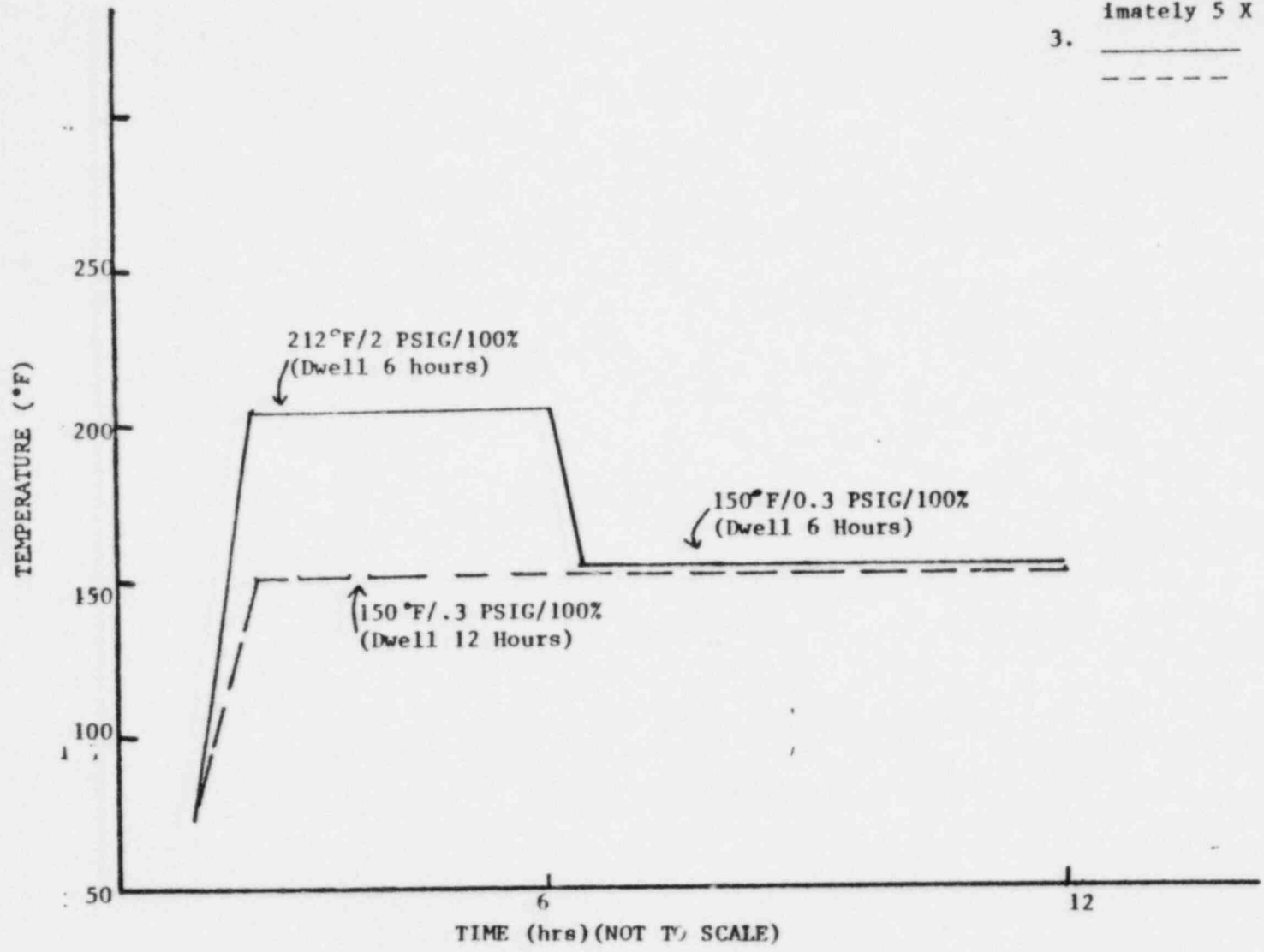


TIME (hrs) (NOT TO SCALE)
Total Test Time 2 days
Temperature/Pressure Profile For STATIC-O-RING Model I2N Switch from:
Viking Lab Environmental
Environmental Test Report #31203-2, Part of G.E. RPT. 145C3012

TEST CURVE
28

VIMH 2/20/80

- NOTE: 1. Rise & Decay times not specified
2. Preirradiated to approximately 5×10^3 RADS
3. _____ curve a)
 - - - - - curve b)

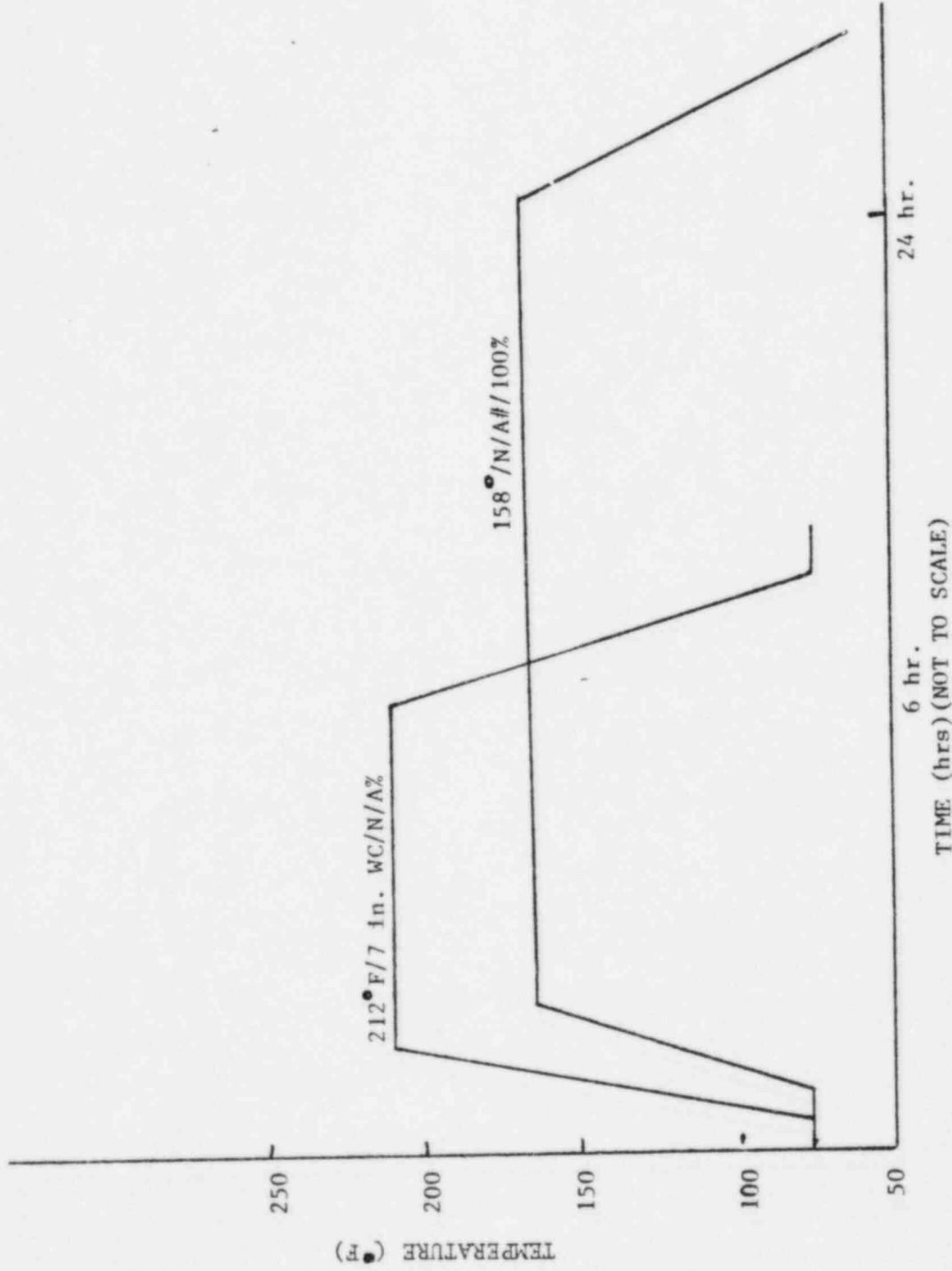


Temperature/Pressure Profile for Terry Turbine Electrical Components from TEST SPECIFICATION E/L 20397, Rev. 4

TEST
CURVE
29 a) & b)

PMH 3/20/80

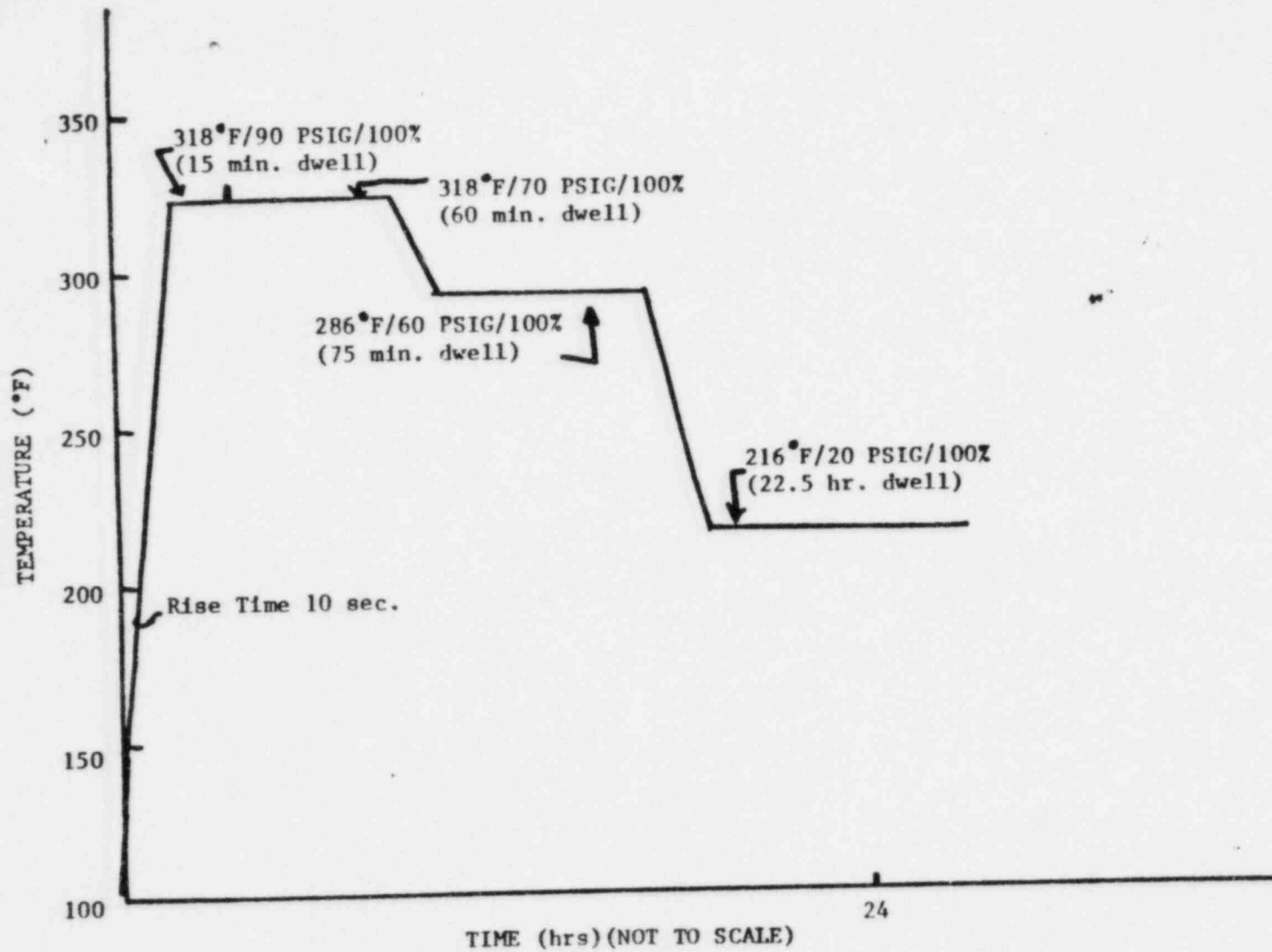
- NOTE:
1. Rise time unspecified
 2. Accuracy less than 1% per test, memo suggests +5% considering humidity.



Temperature/Pressure Profile for G. E. 555 Transmitter from W.H. Burnham
Memo on TEST RPT #430
Part of G. E. RPT 145C3007

TEST CURVE
30

Notes: 1. decay times not specified

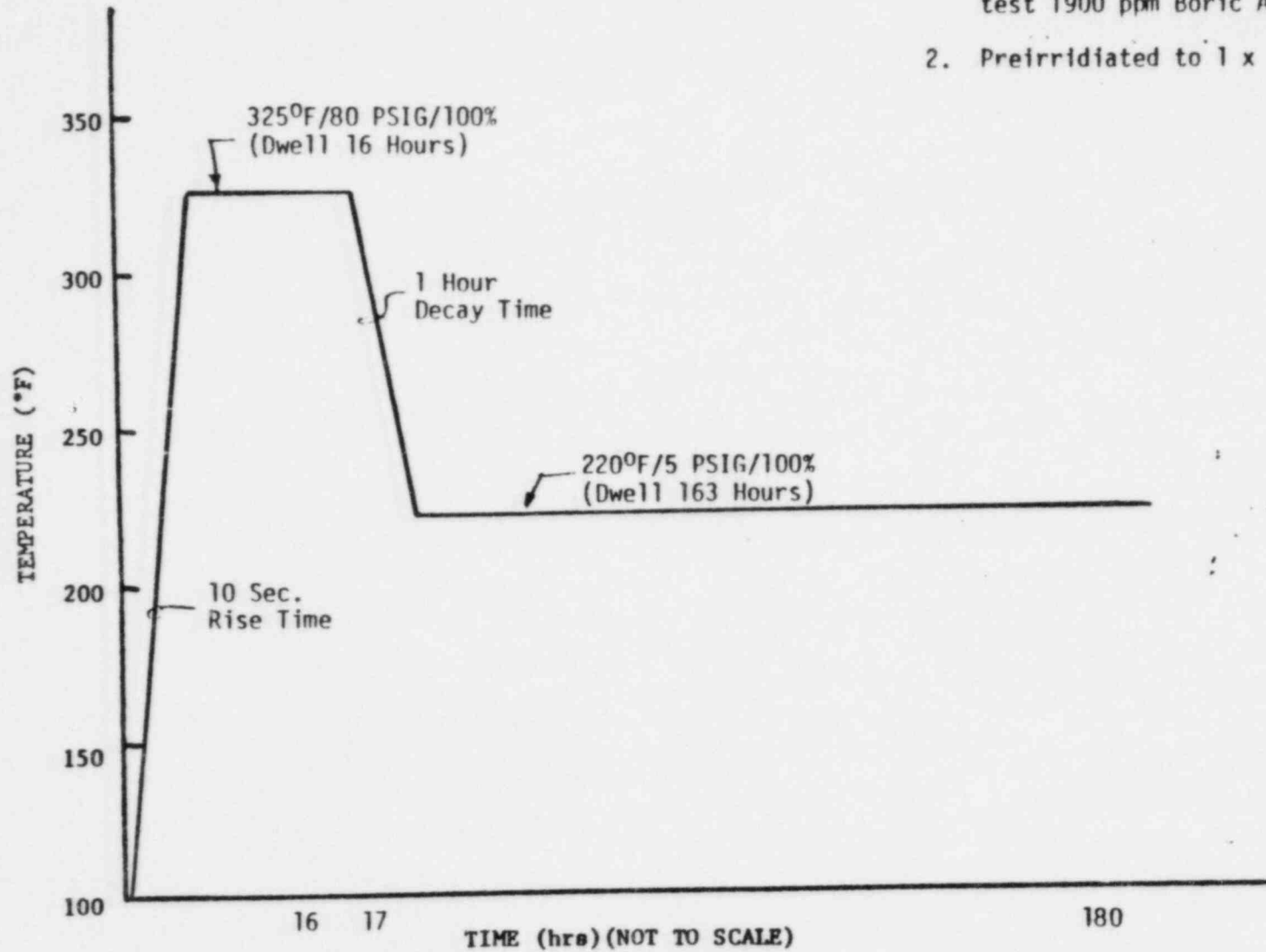


Temperature/Pressure Profile for Bostrad⁷ Cable from:
Boston Insulated Wire & Cable Co. Report #B901

TEST
CURVE
31

Notes:

1. Chemical Spray during entire test 1900 ppm Boric Acid, pH 9.0
2. Preirradiated to 1×10^8 Rads

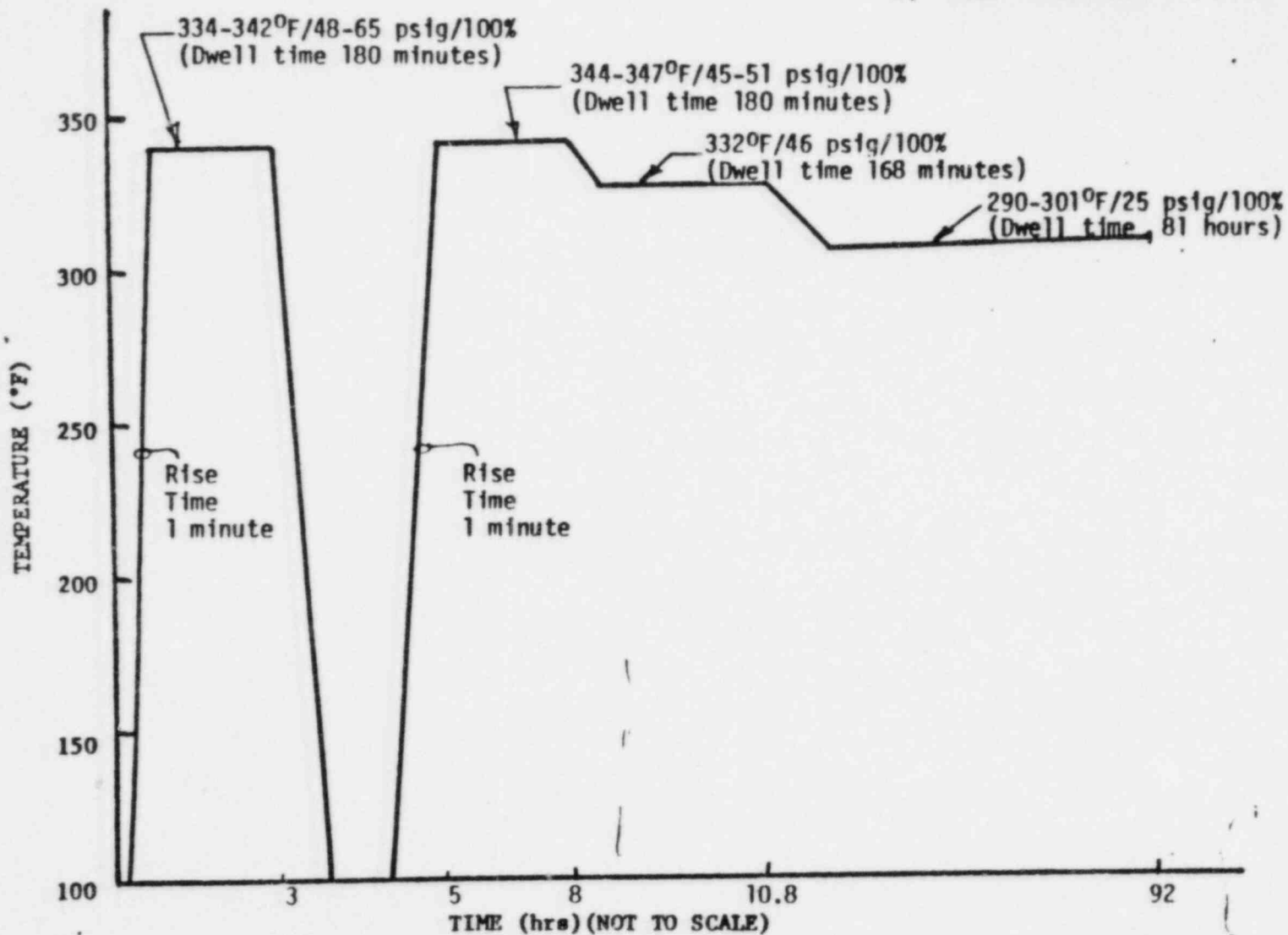


Temperature/Pressure Profile for Kerite.
Cable Splices from FIRL
Test RPT F-C3056

TEST CURVE
32

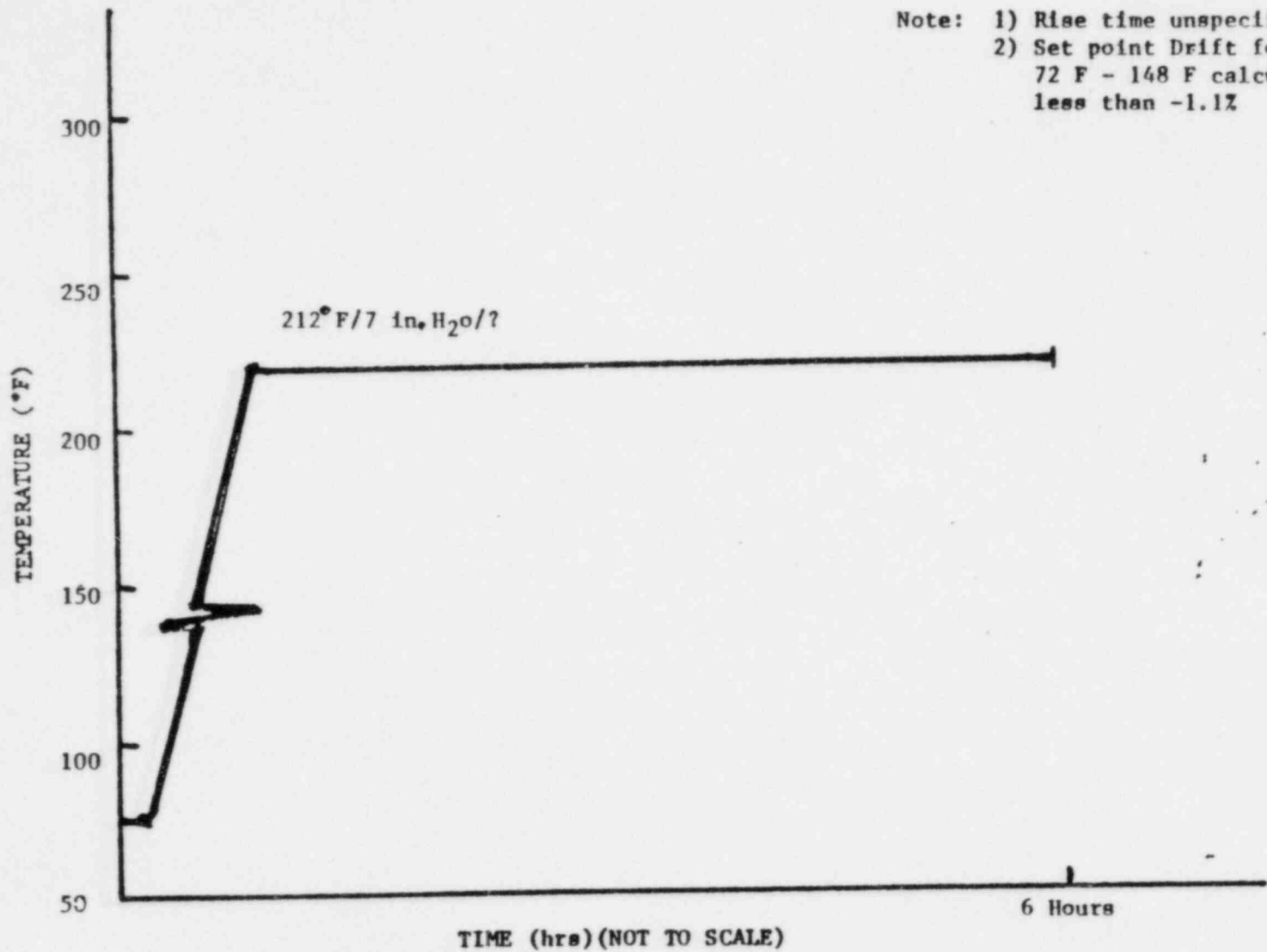
Notes:

- 1) Decay times not specified
- 2) preirradiated 1.9×10^7 Rads
- 3) Post irradiated 1.3×10^7 Rads



Temperature/Pressure Profile For Target Rock
Solenoid per Summary Sheet GE LTR G-HK-9-123; August 29, 1979

TEST
CURVE
33

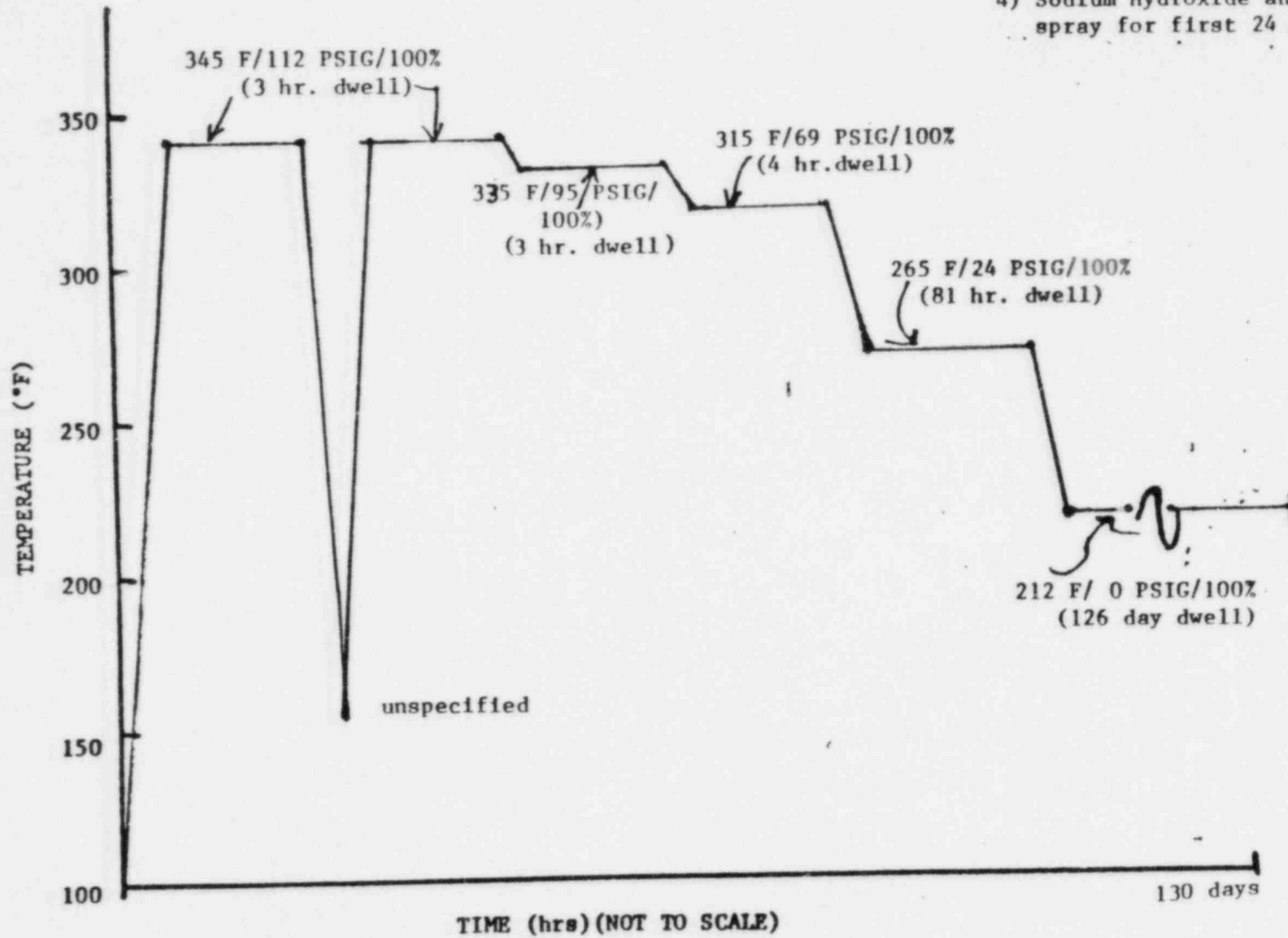


Temperature/Pressure Profile Barksdale
PIH Pressure Switch, Per GE Test Summary
NSE 80188 of Test Report No. 596-0398,
MPL #159C 4606

TEST CURVE
#34

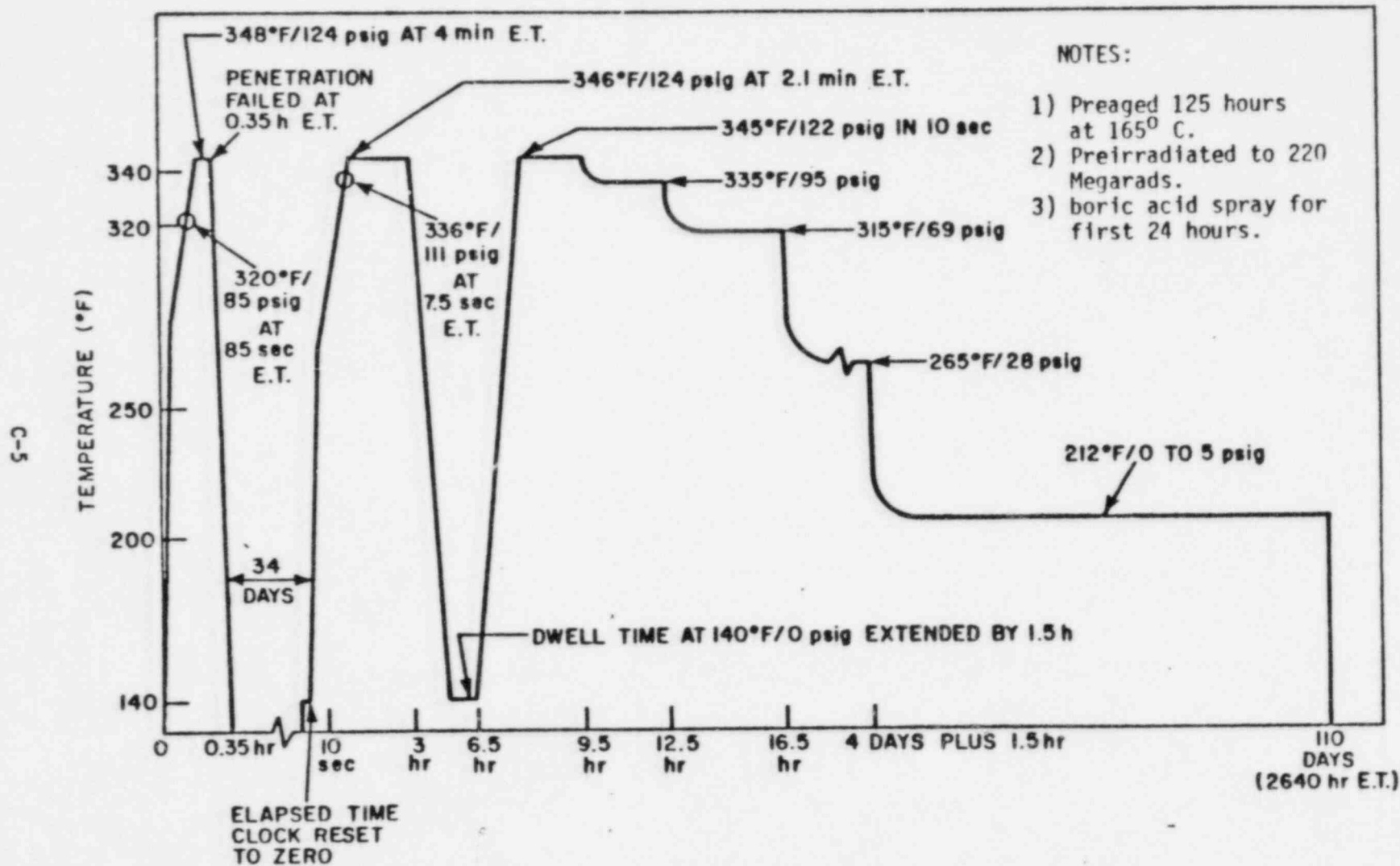
Notes:

- 1) Rise & decay times not specified
- 2) Preaged 504 hrs. 150 C
- 3) Preirradiated 200 Megarads
- 4) Sodium Hydroxide and Boric acid spray for first 24 hours.



Temperature/Pressure Profile For Okonite
Ethylene- Propylene Rubber insulation from:
Okonite Report No. NQRN - 1

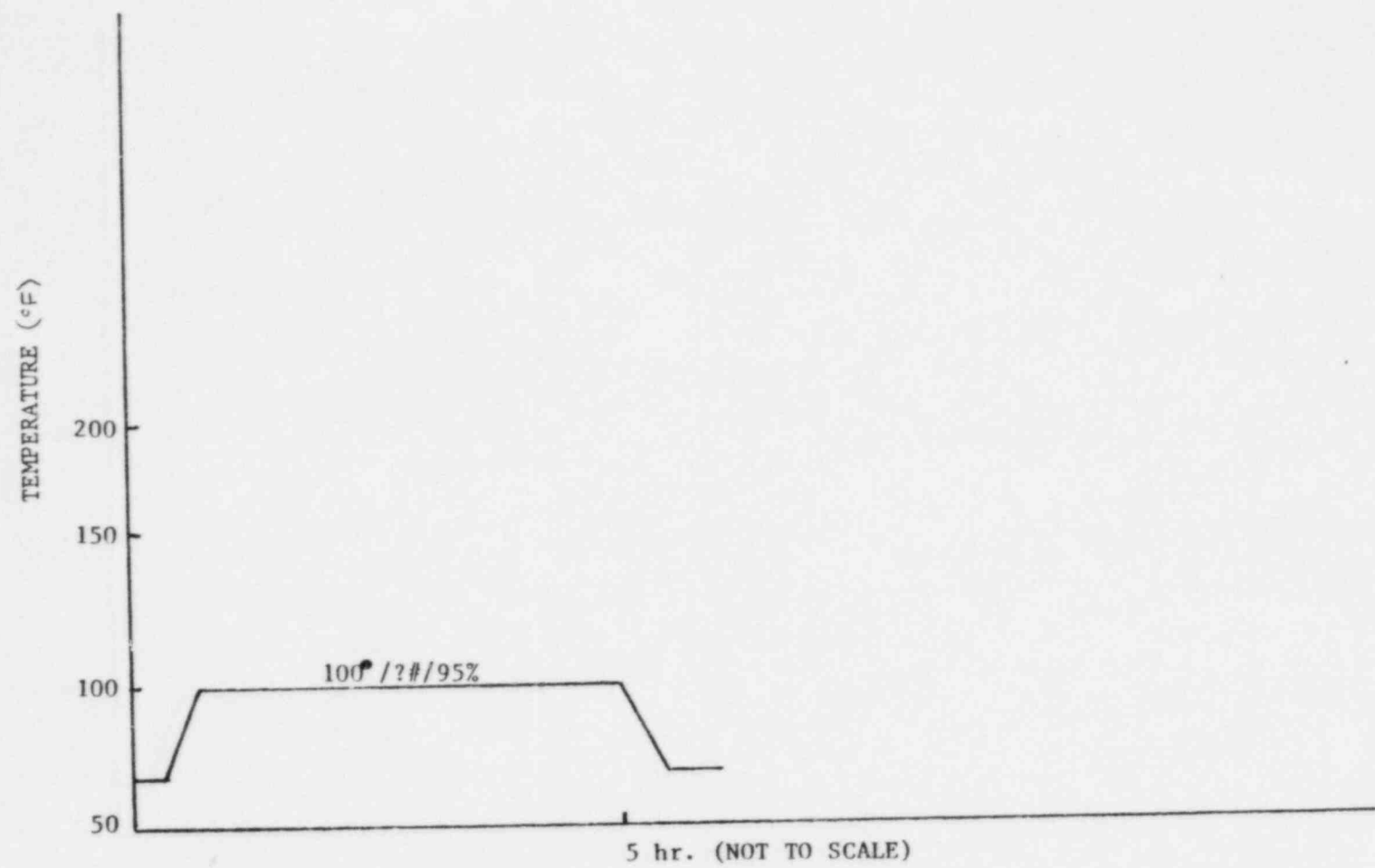
TEST CURVE
#35



Actual Temperature/Pressure Profile For Simulation of Loss-of-Coolant Accident Environment
From FIRC Test Report F-C4497-2 for GE Vulkene Supreme Insulated Cable (Specimens 2A,B,C,D)

TEST CURVE
#36

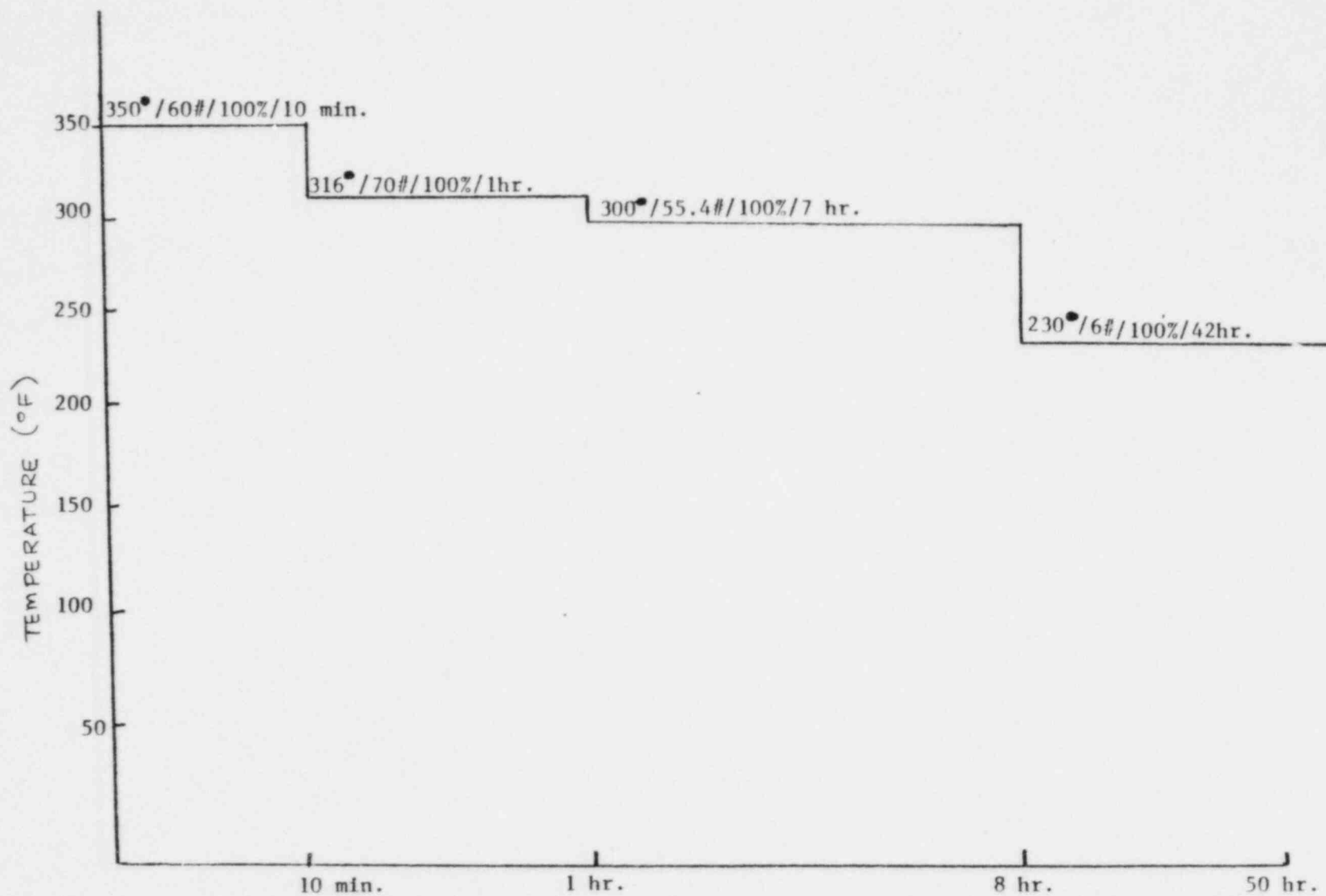
NOTE: Rise/Decay times unspecified



Temperature Profile for G.E. 551 Transmitter
Part of G.E. RPT 145C3006

TEST CURVE

37



Temperature Profile for Rosemount 1152 transmitters
 RMT Report No. 117415 Rev. B

TEST CURVE

38

POOR ORIGINAL

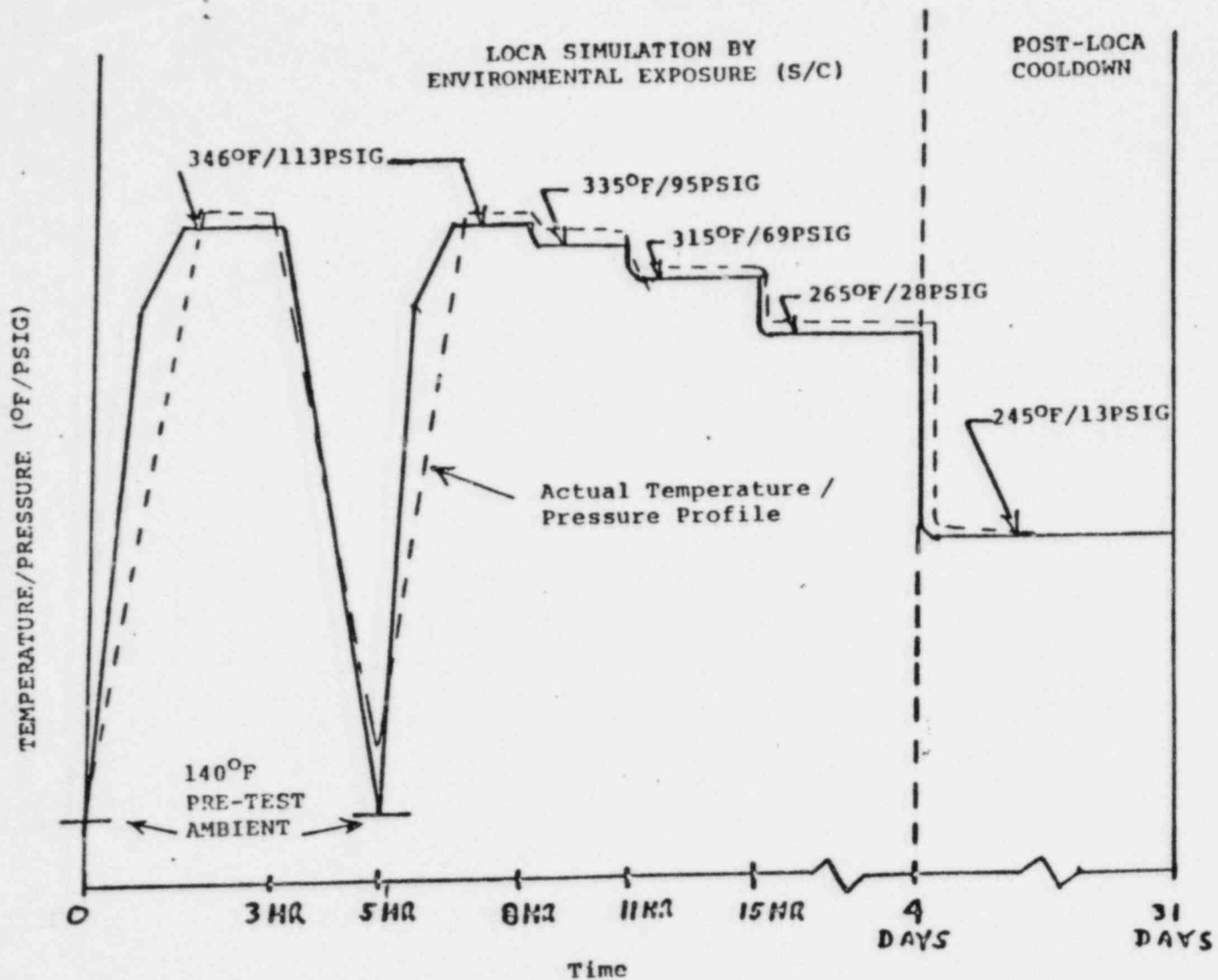


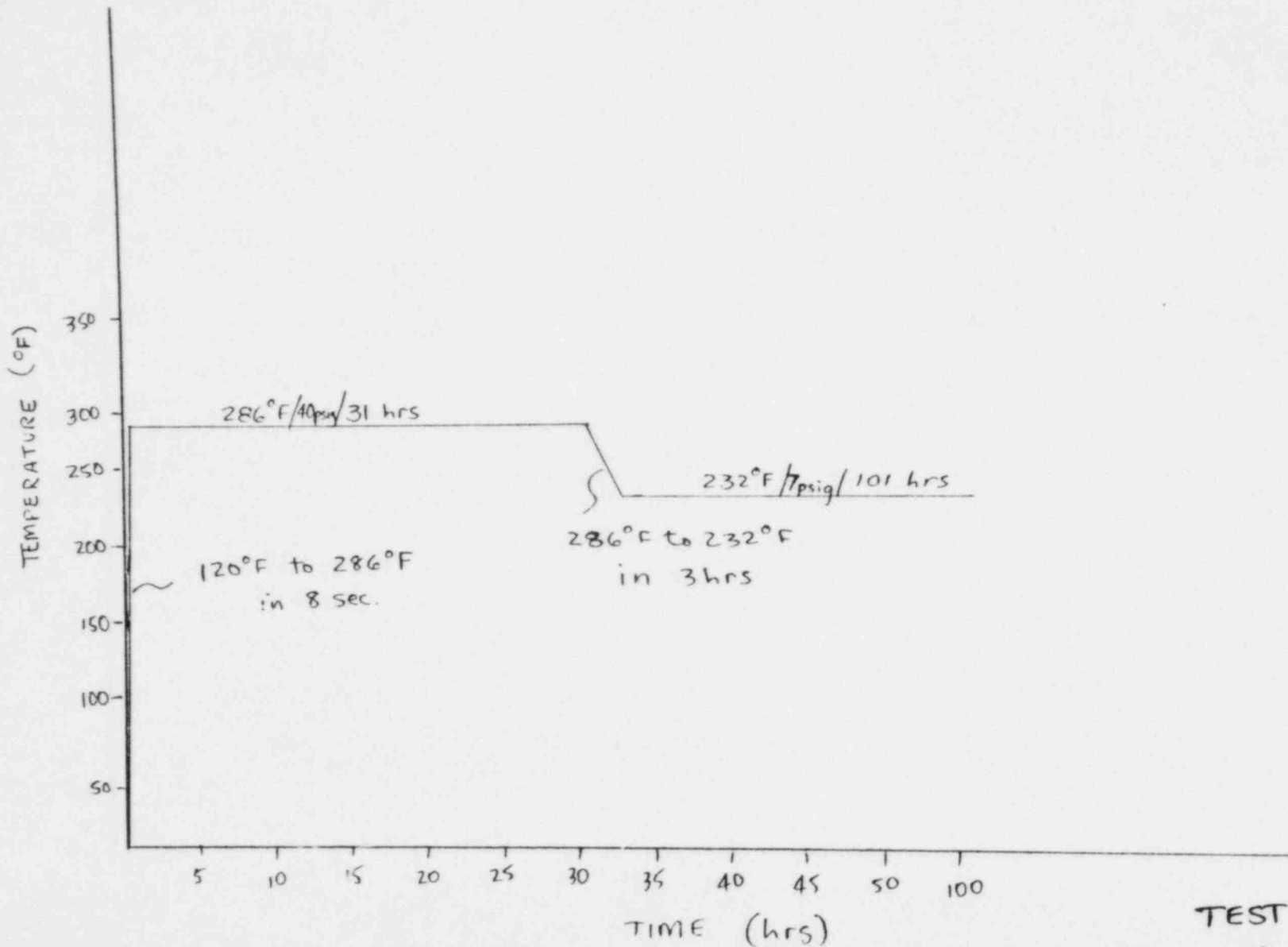
FIGURE 1

LOCA TEMPERATURE/PRESSURE PROFILE

TEST CURVE

39

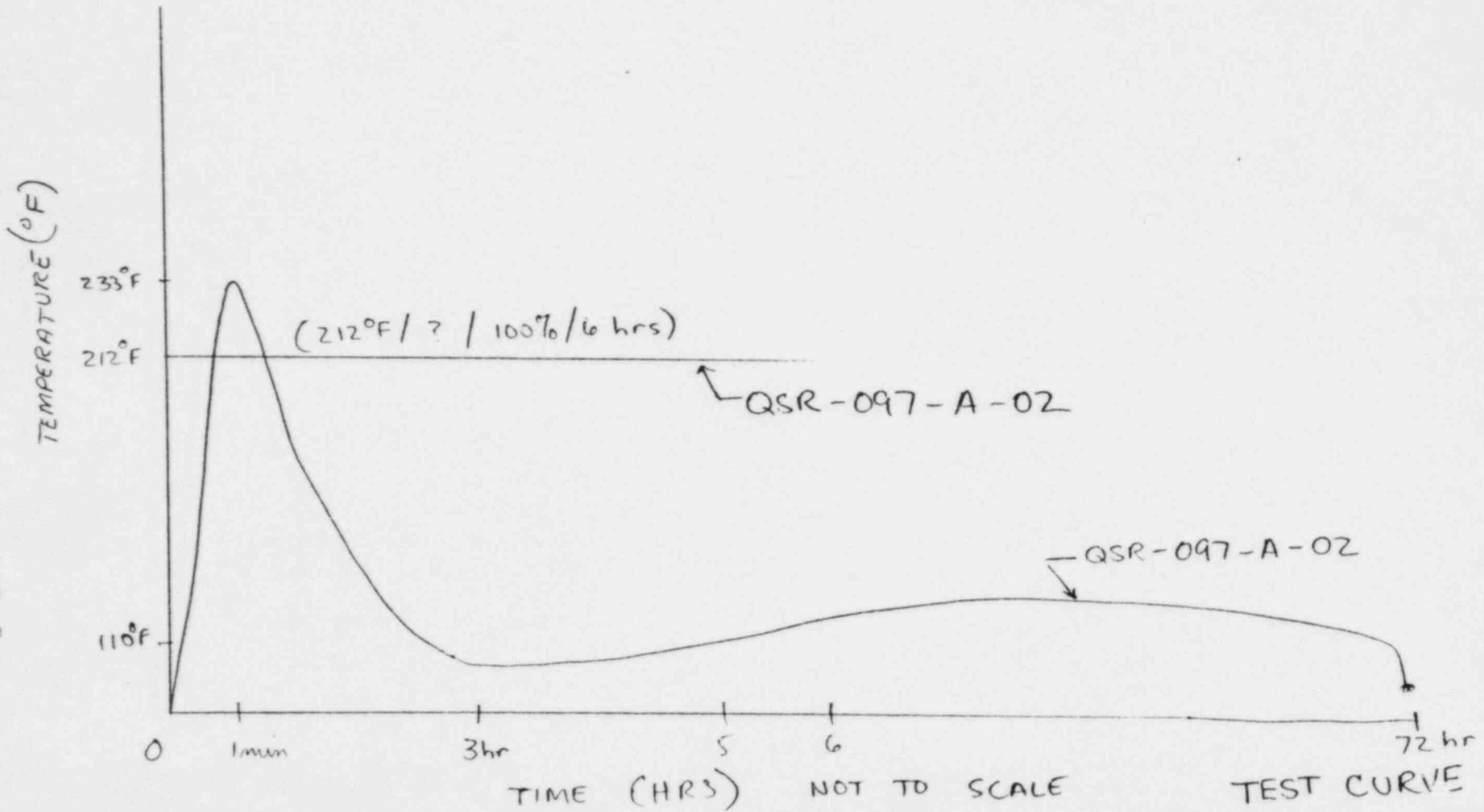
POOR ORIGINAL



TEST CURVE
#40

TEMPERATURE PROFILE FOR G-E TERMINAL BOARDS EB-25 FROM
SUMMARY OF FRANKLIN INSTITUTE REPORT ATTACHED QSR-010-A-01

POOR ORIGINAL



TEMP PROFILE FOR ASCO SOLENOID VALVES #41
HVA-90-40S-2A FROM SUMMARY OF ASCO REPORT
383HA820 AND WYLE REPORT 384 HA183 ATTACHED
TO EPRI/BOP OWNERS SUMMARY REPORTS QSR-097-A-01 & QSR-097-A-02

I. DESCRIPTION OF 79-01B EQUIPMENT QUALIFICATION FIELDS

- EQUIP NO - This is the unique equipment number designator for Pilgrim #1 electrical equipment.
- DESCRIP - This is a generalized description of the equipment listed. Included in this column, if applicable, is the associated P & ID Dwg. number.
- SYSTEM - This field lists the systems supported by this component.
- MAN/MODEL # - Contains manufacturer, model number and serial number information.
- SAFE FUNC - This field contains both a BECo coded safety function and a brief description of the equipment safety function. Refer to the list attached for safety function code designation.
- PLT LOC - This is a coded plant location symbol indicating the location of the equipment. Whenever (as is the case for cables) the equipment exists in numerous locations outside containment the word VARIOUS will appear. Refer to attached list for location code designation. Additional information may also be listed to facilitate location information. For instruments mounted on panels such as PNL "C2247A" the panel number is also listed.
- OPER TIME REQ/AVAIL - Listed first is the time frame during which the equipment is required to perform its safety function. When Boston Edison believes that the available information can not substantiate operation to this required time a second listing will identify a shorter time to

which the component is available. NOTE: In all cases the equipment was considered to be capable of operation beyond the required operating time and in no case was a shorter time listed.

The following key will assist in interpreting this information:

NR-LOCA not required for LOCA events

NR-PBOC not required for PBOC events

R-LOCA-1 min ... required actively for LOCA for 1 minute

R-1 min required actively for both LOCA & PBOC for 1 minute

R-LOCA(A)-1 min required for LOCA actively for 1 minute and

R-LOCA(P)-30 day passively for 30 days

R-(P)-30 day required passively for LOCA and PBOC for 30 days

- DBE EXPOSED - This field lists the DBE, and the type of environmental conditions to which the component is exposed when it is required to function. ie) PBOC (F/#/%) LOCA (RAD)
- DBE ENV REQ. - Contains the information, first on temperature/pressure/humidity (F/#/%), and second on total integrated radiation (RAD-) to which the component may be exposed.
- QUAL ENVIR - Contains the information, first on temperature/pressure/humidity (F/#/%), and second on total integrated radiation (RAD-) to which the component has been qualified.
- MET OF QUAL - This field describes the methods of qualification including testing, analysis and an indication of the type of testing done (separate or sequential). As necessary, other notation will be included to clarify this information.

- SUPP DOC - This field contains a listing of the principal supporting documents which substantiate the values provided in the QUAL ENVIR field. As necessary, additional notations will be included to clarify this information.

- QUAL STATUS - This field lists the results of BECo.'s qualification evaluation. Acronymic designations were used to facilitate future work. Possible designations and their respective meanings are as follows:

NYI - Not Yet Installed

JCO - Justified for Continued Operation

QPS - Qualified to Plant Specific Requirements

DOR-A - Qualified to DOR Guidelines except for aging

DOR - Qualified to DOR Guidelines

UQ - Unqualified (Reference LER)

NYQ - Not Yet Qualified

- QUAL PLAN - This field lists future qualification efforts and forecast completion dates. Again, acronymic designations were used as follows:

FT - Future Qualification Test

RA - Radiation Analysis

AA - Aging Analysis

HT - Heat Transfer Analysis

ER - Equipment Replacement

II - Installation Inspection

FE - Final Evaluation

Various categories included in the NRC format are not contained on our response.

Generic information on these categories are as follows:

Submergence: Pilgrim Unit #1 is a Mark I BWR. The only area with the potential for submerged equipment post-LOCA is the interior of the torus. No safety related electrical equipment exists in the area.

Chemical Spray: Pilgrim Unit #1 is a Mark I BWR. No chemical solutions are used in systems required for the accidents presently under consideration.

Accuracy: Accuracy information is applicable to instruments only. No instruments in containment are under the scope of 79-01B (none are required for LOCA). Instruments outside containment are not exposed to the LOCA temperature, pressure effects. Some instruments outside containment do experience the effects of PBOC, principally set-point shifts due to temperature effects. These shifts are directly related to instrument internal temperatures not ambient temperatures. For PBOC such shifts are short-term in nature and are significantly less than the shifts due to steady-state elevated temperatures. Test accuracies, if available, are presented on the appropriate Test Curve sheet.

II.

Plant Location Code Designations

The following codes are used in the Bulletin 79-01B computer printout to define plant locations.

<u>Code</u>	<u>Building</u>	<u>Elev.</u>	<u>Space Designation</u>
** 1.1	Reactor	(-) 17.6	RHR and Core Spray Pumps Room "A"
** 1.2	Reactor	(-) 17.6	RHR and Core Spray Pumps Room "B"
** 1.3	Reactor	(-) 17.6	HPCI Pump Room
** 1.4	Reactor	(-) 17.6	HPCI Pump Panel and Valve Room
** 1.5	Reactor	(-) 17.6	RCIC Pump Room
** 1.7	Reactor	2-9	RCIC Pump Room Mezzanine
** 1.8	Reactor	2-9	CRD Pump Room Mezzanine
** 1.9	Reactor	23-0	CRD Modules Area - East
** 1.9A	Reactor	23-0	RHR Piping Room
** 1.9C	Reactor	23-0	Drywell Access Room
** 1.10	Reactor	23-0	CRD Modules Area - West
** 1.10A	Reactor	23-0	RCIC Piping Room
** 1.10B	Reactor	23-0	RHR/HPCI Piping Room
** 1.11	Reactor	51.0	Open Area - East Half
** 1.11A	Reactor	51.0	RWCU Hx Ex. & Pump Room
** 1.12	Reactor	51.0	Open Area - West Half
** 1.13 1.13A 1.13B	Reactor	74-3	Fuel Pool Heat Exchanger Area: Reactor Building Closed Cooling Water System
** 1.14	Reactor	74-3	Open Area - North Half
** 1.15	Reactor	91-3	Standby Liquid Control Area
** 1.16 1.16A	Reactor	91-3	Open Area - North Half
** 1.17	Reactor	91-3	Clothing Change and Storage Area

POOR ORIGINAL

	<u>Code</u>	<u>Building</u>	<u>Elev.</u>	<u>Space Designation</u>
**	1.23 1.23A 1.23B	Reactor	51-0	Standby Gas Treatment Filter Rooms
**	Steam Tunnel	Reactor	23-0	Steam Tunnel between Turbine Building and Drywell
**	Torus Area	Reactor	(-) 17-6	Compartment surrounding Torus
**	Various	Reactor	all	Indicates use in numerous areas.
*	1.30	Reactor		Drywell Interior

NOTES:

- * Location for Level I equipment (inside containment)
- ** Location for Level II equipment (outside containment)

III.

Bulletin 79-01B

Equipment Safety Function Codes

The following codes are used in the Bulletin 79-01 computer printouts to define component safety functions.

<u>Code</u>	<u>Safety Function</u>
1	SCRAM
2	Primary Containment Isolation
2A	Primary Containment Integrity (Electrical Penetrations, Torus Vacuum Breakers)
3	Secondary Containment Isolation
4	Core Cooling (General)
4A	RHR (LPCI)
4B	RHR (Containment Cooling @ Cntm Spray, Torus Spray, Torus Cooling)
4C	RBCCW (Support of Core Cooling)
4D	Salt Service Water (Support of Core Cooling)
10	Pressure Relief
11	Monitoring (General)
12	Electrical Distribution (To Support Other Functions)
13	Standby Gas Treatment

PRINTOUT

21

POOR ORIGINAL

Equipment No 112 KERITE
 Description 1/2 STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE FR INSULATION FR OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10EB
 Qual Envir TEST CURVE #3 RAD-2X10EB
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES WYLE RPT 17446-2
 QUAL STATUS DOR-A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No 112 OKONITE
 Description 1/2 STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model OKONITE OKONITE INSULATION OKOPRENE INDIVIDUAL & OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10EB
 Qual Envir TEST CURVE #4 RAD-1X10EB
 Aging THERMAL-504 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document OKONITE ENG RPT #127 10/24/71 BPCo SCEG OKONITE LTR 4/9/80 & attached OKONITE RPT NGRN-1 (AGING) WY
 LE RPT 17446-1
 QUAL STATUS DOR

Equipment No 212 KERITE
 Description 2/2 STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE FR INSULATION FR OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10EB
 Qual Envir TEST CURVE #3 RAD-2X10EB
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES WYLE RPT 17446-2
 QUAL STATUS DOR-A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No 212 OKONITE
 Description 2/2 STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model OKONITE OKONITE INSULATION OKOPRENE INDIVIDUAL & OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10EB
 Qual Envir TEST CURVE #4 RAD-1X10EB
 Aging THERMAL-504 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document OKONITE ENG RPT #127 10/24/71 BPCo SCEG OKONITE LTR 4/9/80 & attached OKONITE RPT NGRN-1 (AGING) WY

LE RPT 17446-1

QUAL STATUS DOR

Equipment No 312 KERITE BB KERITE
 Description 3/C STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE FR INSULATION FR OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10EB
 Qual Envir TEST CURVE #3 RAD-2X10EB
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES WYLE RPT 17446-2
 QUAL STATUS DOR-A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No 312 OKONITE BB OKONITE
 Description 3/C STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model OKONITE OKONITE INSULATION OKOPRENE INDIVIDUAL & OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10EB
 Qual Envir TEST CURVE #4 RAD-1X10EB
 Aging THERMAL-504 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document OKONITE ENG RPT #127 10/24/71 BPCo SCEG OKONITE LTR 4/9/80 & attached OKONITE RPT NGRN-1 (AGING) WY
 LE RPT 17446-1

QUAL STATUS DOR

Equipment No 412 KERITE
 Description 4/C STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE FR INSULATION FR OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10EB
 Qual Envir TEST CURVE #3 RAD-2X10EB
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES WYLE RPT 17446-2
 QUAL STATUS DOR-A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No 412 OKONITE
 Description 4/C STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model OKONITE OKONITE INSULATION OKOPRENE INDIVIDUAL & OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10EB
 Qual Envir TEST CURVE #4 RAD-1X10EB
 Aging THERMAL-504 hrs 150C

POOR ORIGINAL

Method of Qualification TEST/SEQUENTIAL
 Supporting Document OKONITE ENG RPT #127 10/24/71 BPCo SCEG OKONITE LTR 4/9/80 & attached OKONITE RPT NGRN-1 (AGING) WY
 LE RPT 17446-1

QUAL STATUS DOR

Equipment No 512 KERITE B9 KERITE
 Description 5/C STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE FR INSULATION FR OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10EB
 Qual Envir TEST CURVE #3 RAD-2X10EB
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES WYLE RPT 17446-2
 QUAL STATUS DOR-A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No 512 OKONITE B9 OKONITE
 Description 5/C STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model OKONITE OKONITE INSULATION OKOPRENE INDIVIDUAL & OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10EB
 Qual Envir TEST CURVE #4 RAD-1X10EB
 Aging THERMAL-504 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document OKONITE ENG RPT #127 10/24/71 BPCo SCEG OKONITE LTR 4/9/80 & attached OKONITE RPT NGRN-1 (AGING) WY
 LE RPT 17446-1

QUAL STATUS DOR

Equipment No 712 KERITE
 Description 7/C STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE FR INSULATION FR OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10EB
 Qual Envir TEST CURVE #3 RAD-2X10EB
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES WYLE RPT 17446-2
 QUAL STATUS DOR-A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No 712 OKONITE
 Description 7/C STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model OKONITE OKONITE INSULATION OKOPRENE INDIVIDUAL & OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10EB

POOR ORIGINAL

Qual Envir TEST CURVE #4 RAD-1X10E8
 Aging THERMAL-504 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document OKONITE ENG RPT #127 10/24/71 BPCo SCEQ OKONITE LTR 4/9/80 & attached OKONITE RPT NGRN-1 (AGING) WY
 LE RPI 17446-1

QUAL STATUS DOR

Equipment No 912 KERITE
 Description 7/2 STRANDED #12 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE FR INSULATION FR OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10E8
 Qual Envir TEST CURVE #3 RAD-2X10E8
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES WYLE RPT 17446-2
 QUAL STATUS DOR-A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No A0203-1A
 Description FIRST ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 System MAIN STEAM RPS CNTM ISOLATION
 Man/Model VARIOUS AVCO/C5159 (SOV) NAMCO/EA740-50100 (LIM SW)
 Safety Function 1/2/11 MSIV SCRAM & SR DSPLY (LIM SW)/MN STM ISD (SOV)
 Plant Location 1 30
 Operating Time Req/Avail R-(A)-30 min (SOV) R-(P)-30 day (SOV) R-30 day (LIM SW)
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #14 (SOV) TEST CURVE #15 (SOV) RAD-3X10E7 (SOV) TEST CURVE #18 (LIM SW) RAD-2.04X10E8
 (LIM SW)
 Aging MECH-55 CYCLES during F/#/% test (SOV) THERMAL-200 hrs 93C (LIM SW) MECH-100000 CYCLES (LIM SW)
 Method of Qualification TEST/SEPARATE/SIMILAR EQPT (SOV) TEST/SEQUENTIAL (LIM SW)
 Supporting Document GE LTR G-HK-9-44 ROCKWELL RPI #2792-03-02 (SOV F/#/% GE PEDEM #126-62 (SOV RAD) NAMCO TEST RPT EQ
 R MODEL EA-740 2/20/78 (LIM SW) ATWOOD & MORRILL TEST RPT #STR-060578-1 (LIM SW) WYLE RPT 17446-3a WYLE
 RPT 17446-3b
 QUAL STATUS DOR-A(LIM SW) JCO(SV) FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING TO SOV* PROVIDED BY GE
 QUAL PLAN AA 2/81(LIM SW) FE 4/81(LIM SW) FE 4/81(SV)

Equipment No A0203-1B
 Description FIRST ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 System MAIN STEAM RPS CNTM ISOLATION
 Man/Model VARIOUS AVCO/C5159 (SOV) NAMCO/EA740-50100 (LIM SW)
 Safety Function 1/2/11 MSIV SCRAM & SR DSPLY (LIM SW)/MN STM ISD (SOV)
 Plant Location 1 30
 Operating Time Req/Avail R-(A)-30 min (SOV) R-(P)-30 day (SOV) R-30 day (LIM SW)
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #14 (SOV) TEST CURVE #15 (SOV) RAD-3X10E7 (SOV) TEST CURVE #18 (LIM SW) RAD-2.04X10E8
 (LIM SW)
 Aging MECH-55 CYCLES during F/#/% test (SOV) THERMAL-200 hrs 93C (LIM SW) MECH-100000 CYCLES (LIM SW)
 Method of Qualification TEST/SEPARATE/SIMILAR EQPT (SOV) TEST/SEQUENTIAL (LIM SW)
 Supporting Document GE LTR G-HK-9-44 ROCKWELL RPI #2792-03-02 (SOV F/#/% GE PEDEM #126-62 (SOV RAD) NAMCO TEST RPT EQ
 R MODEL EA-740 2/20/78 (LIM SW) ATWOOD & MORRILL TEST RPT #STR-060578-1 (LIM SW) WYLE RPT 17446-3a WYLE
 RPT 17446-3b
 QUAL STATUS DOR-A(LIM SW) JCO(SV) FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING TO SOV* PROVIDED BY GE
 QUAL PLAN AA 2/81(LIM SW) FE 4/81(LIM SW) FE 4/81(SV)

POOR ORIGINAL

Equipment No AD203-1C
 Description FIRST ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 System MAIN STEAM RPS CNTM ISOLATION
 Man/Model VARIOUS AVCO/C5159 (SOV) NAMCO/EA740-50100 (LIM SW)
 Safety Function 1/2/11 MSIV SCRAM & SR DSPLY (LIM SW)/MN STM ISO (SOV)
 Plant Location 1 30
 Operating Time Req/Avail R-(A)-30 min (SOV) R-(P)-30 day (SOV) R-30 day (LM SW)
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #14 (SOV) TEST CURVE #15 (SOV) RAD-3X10E7 (SOV) TEST CURVE #18 (LIM SW) RAD-2.04X10E8 (LIM SW)
 Aging MECH-55 CYCLES during F/#/2 test (SOV) THERMAL-200 hrs 93C (LIM SW) MECH-100000 CYCLES (LIM SW)
 Method of Qualification TEST/SEPARATE/SIMILAR EQPT (SOV) TEST/SEQUENTIAL (LIM SW)
 Supporting Document GE LTR G HW 9-44 ROCKWELL RPT #2792-03-02 (SOV F/#/2) GE PEDEM #126-62 (SOV RAD) NAMCO TEST RPT FO R MODEL EA-740 2/20/78 (LIM SW) ATWOOD & MORRILL TEST RPT #STR-060578-1 (LIM SW) WYLE RPT 17446-3a WYLE RPT 17446-3b
 QUAL STATUS DOR-A(LIM SW) JCD(SV) FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING TO SOVs PROVIDED BY GE
 QUAL PLAN AA 2/81(LIM SW) FE 4/81(LIM SW) FE 4/81(SV)

Equipment No AD203-1D
 Description FIRST ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252
 System MAIN STEAM RPS CNTM ISOLATION
 Man/Model VARIOUS AVCO/C5159 (SOV) NAMCO/EA740-50100 (LIM SW)
 Safety Function 1/2/11 MSIV SCRAM & SR DSPLY (LIM SW)/MN STM ISO (SOV)
 Plant Location 1 30
 Operating Time Req/Avail R-(A)-30 min (SOV) R-(P)-30 day (SOV) R-30 day (LM SW)
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #14 (SOV) TEST CURVE #15 (SOV) RAD-3X10E7 (SOV) TEST CURVE #18 (LIM SW) RAD-2.04X10E8 (LIM SW)
 Aging MECH-55 CYCLES during F/#/2 test (SOV) THERMAL-200 hrs 93C (LIM SW) MECH-100000 CYCLES (LIM SW)
 Method of Qualification TEST/SEPARATE/SIMILAR EQPT (SOV) TEST/SEQUENTIAL (LIM SW)
 Supporting Document GE LTR G HW 9-44 ROCKWELL RPT #2792-03-02 (SOV F/#/2) GE PEDEM #126-62 (SOV RAD) NAMCO TEST RPT FO R MODEL EA-740 2/20/78 (LIM SW) ATWOOD & MORRILL TEST RPT #STR-060578-1 (LIM SW) WYLE RPT 17446-3a WYLE RPT 17446-3b
 QUAL STATUS DOR-A(LIM SW) JCD(SV) FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING TO SOVs PROVIDED BY GE
 QUAL PLAN AA 2/81(LIM SW) FE 4/81(LIM SW) FE 4/81(SV)

Equipment No AD220-44
 Description GLOBE VALVE AIR OPERATOR LIMIT SWITCHES M252
 System REACTOR RECIRCULATION SYSTEM SAFETY RELATED DISPLAY
 Man/Model NAMCO EA740-50100
 Safety Function 11 SR DISPLAY CNTM ISO VV POSITION
 Plant Location 1 30
 Operating Time Req/Avail R-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #18 RAD-2.04X10E8
 Aging THERMAL-200hrs 93C MECH-100000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document NAMCO TEST RPT FOR MODEL EA-740 2/20/78 ATWOOD & MORRILL TEST RPT #STR-060578-1 WYLE RPT 17446-3b
 QUAL STATUS DOR-A
 QUAL PLAN AA 2/81 FE 4/81

Equipment No B6 KERITE
 Description 3/C STRANDED #6 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE FR INSULATION FR OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED

POOR ORIGINAL

POOR ORIGINAL

DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10E8
 Qual Envir TEST CURVE #3 RAD-2X10E8
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES WYLE RPT 17446-2
 QUAL STATUS DOR A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No B7 KERITE 310 KERITE
 Description 3/C STRANDED #10 600V POWER & CONTROL CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE FR INSULATION FR OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10E8
 Qual Envir TEST CURVE #3 RAD-2X10E8
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES WYLE RPT 17446-2
 QUAL STATUS DOR A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No J208
 Description A0203-1A LIMIT SWITCH JUNCTION BOX
 System MAIN STEAM CNTM ISOLATION SAFETY RELATED DISPLAY
 Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 11/12 SUPPORT OF SR DISPLAY/ELECT DIST
 Plant Location 1 30
 Operating Time Req/Avail R-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #11 RAD=2.04X10E8 (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BPCo 2/17/79 (TERM BLOCK) MEMO P&CS 80-184 (aging) WYLE RPT 17446-4
 QUAL STATUS DOR

Equipment No J209
 Description A0203-1B LIMIT SWITCH JUNCTION BOX
 System MAIN STEAM CNTM ISOLATION SAFETY RELATED DISPLAY
 Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 11/12 SUPPORT OF SR DISPLAY/ELECT DIST
 Plant Location 1 30
 Operating Time Req/Avail R-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #11 RAD=2.04X10E8 (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BPCo 2/17/79 (TERM BLOCK) MEMO P&CS 80-184 (aging) WYLE RPT 17446-4
 QUAL STATUS DOR

Equipment No J210
 Description A0203-1C LIMIT SWITCH JUNCTION BOX
 System MAIN STEAM CNTM ISOLATION SAFETY RELATED DISPLAY
 Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 11/12 SUPPORT OF SR DISPLAY/ELECT DIST

Plant Location 1 30
 Operating Time Req/Avail R-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #11 RAD=2.04X10E8 (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BPCo 2/17/79 (TERM BLOCK) MEMO P&CS 80-184 (aging) WYLE RPT
 17446-4

QUAL STATUS DGR

Equipment No J211
 Description AU203-1D LIMIT SWITCH JUNCTION BOX
 System MAIN STEAM CNTM ISOLATION SAFETY RELATED DISPLAY
 Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 11/12 SUPPORT OF SR DISPLAY/ELECT DIST
 Plant Location 1 30
 Operating Time Req/Avail R-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #11 RAD=2.04X10E8 (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BPCo 2/17/79 (TERM BLOCK) MEMO P&CS 80-184 (aging) WYLE RPT
 17446-4

QUAL STATUS DGR

Equipment No J212
 Description AU203-1A LIMIT SWITCH JUNCTION BOX
 System MAIN STEAM RPS
 Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30
 Operating Time Req/Avail NR-LOCA R-PBDC-30 min
 DBE Env Req (F/#/%) -NONE not required during loca RAD-NONE not required during loca
 Qual Envir TEST CURVE #11 RAD=2.04X10E8 (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BPCo 2/17/79 (TERM BLOCK) MEMO P&CS 80-184 (aging) WYLE RPT
 17446-4

QUAL STATUS DGR

Equipment No J213
 Description AU203-1B LIMIT SWITCH JUNCTION BOX
 System MAIN STEAM RPS
 Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30
 Operating Time Req/Avail NR-LOCA R-PBDC-30 min
 DBE Env Req (F/#/%) -NONE not required during loca RAD-NONE not required during loca
 Qual Envir TEST CURVE #11 RAD=2.04X10E8 (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BPCo 2/17/79 (TERM BLOCK) MEMO P&CS 80-184 (aging) WYLE RPT
 17446-4

QUAL STATUS DGR

Equipment No J214
 Description AU203-1C LIMIT SWITCH JUNCTION BOX
 System MAIN STEAM RPS

POOR ORIGINAL

Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30
 Operating Time Req/Avail NR-LOCA R-PBUC-30 min
 DBE Env Req (F/#/%) - NONE not required during loca RAD-NONE not required during loca
 Qual Envir TEST CURVE #11 RAD=2 04X10EB (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BPCo 2/17/79 (TERM BLOCK) MEMO P&CS 80-184 (aging) WYLE RPT 17446-4

QUAL STATUS DGR

Equipment No J215
 Description AD203-1D LIMIT SWITCH JUNCTION BOX
 System MAIN STEAM RPS
 Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30
 Operating Time Req/Avail NR-LOCA R-PBUC-30 min
 DBE Env Req (F/#/%) - NONE not required during loca RAD-NONE not required during loca
 Qual Envir TEST CURVE #11 RAD=2 04X10EB (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BPCo 2/17/79 (TERM BLOCK) MEMO P&CS 80-184 (aging) WYLE RPT 17446-4

QUAL STATUS DGR

Equipment No J216
 Description JUNCTION BOX AND TERMINAL BLOCKS
 System CNM ISOLATION ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA-30 day NR-PBUC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #11 RAD=2 04X10EB (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR (TERM BLOCK)
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BECo 2/17 79 (TERM BLOCK) BPCo SCEQ (JUNCTION BOX) BPCo CEQE (JUNCTION BOX) MEMO P&CS 80-184 (aging) WYLE RPT 17446-4

QUAL STATUS DGR

Equipment No J43
 Description JUNCTION BOX AND TERMINAL BLOCK
 System CNM ISOLATION ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA-30 day NR-PBUC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #11 RAD=2.04X10EB (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR (TERM BLOCK)
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BECo 2/17 79 (TERM BLOCK) BPCo SCEQ (JUNCTION BOX) BPCo CEQE (JUNCTION BOX) MEMO P&CS 80-184 (aging) WYLE RPT 17446-4

QUAL STATUS DGR

Equipment No J44

POOR ORIGINAL

POOR ORIGINAL

Description JUNCTION BOX AND TERMINAL BLOCK
 System CNM ISOLATION ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #11 RAD-2.04X10E8 (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR (TERM BLOCK)
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BECo 2/17 79 (TERM BLOCK) BPCo SCEQ (JUNCTION BOX) BPCo CEQE
 (JUNCTION BOX) MEMO P&CS 80-184 (aging) WYLE RPT 17446-4

QUAL STATUS DGR

Equipment No J55
 Description JUNCTION BOX AND TERMINAL BLOCKS
 System CNM ISOLATION ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #11 RAD-2.04X10E8 (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR (TERM BLOCK)
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BECo 2/17 79 (TERM BLOCK) BPCo SCEQ (JUNCTION BOX) BPCo CEQE
 (JUNCTION BOX) MEMO P&CS 80-184 (aging) WYLE RPT 17446-4

QUAL STATUS DGR

Equipment No J56
 Description JUNCTION BOX AND TERMINAL BLOCKS
 System CNM ISOLATION ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS BUCHANAN/525 (TERM BK) HOFFMAN NEMA 4 (ENCLOSURE)
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #11 RAD-2.04X10E8 (TERM BLOCK)
 Aging THERMAL-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR (TERM BLOCK)
 Supporting Document LIMITORQUE RPT 600376A/LIMITORQUE LTR TO BECo 2/17 79 (TERM BLOCK) BPCo SCEQ (JUNCTION BOX) BPCo CEQE
 (JUNCTION BOX) MEMO P&CS 80-184 (aging) WYLE RPT 17446-4

QUAL STATUS DGR

Equipment No M01001-50
 Description MOTOR OPERATOR 20-N14M3 VALVE M241
 System RHR CNM ISOLATION
 Man/Model LIMITORQUE SMB-2-40 117163 337511C RELIANCE Y23260BAILU
 Safety Function 2/4A BLOCK VALVE-RHR SHUTDOWN-ALL RHR PUMPS
 Plant Location 1 30
 Operating Time Req/Avail R-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #10 TEST CURVE #11 RAD-2X10E8
 Aging THERMAL-100 hrs 180C MECH-500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document LIMITORQUE LETTER TO BPCO 4-27-79 LIMITORQUE TWX TO BPCO 5-17-79 LIMITORQUE TWX TO BPCO 5-29-79 LIM
 ITORQUE TEST RPT. 600198 1-2-69 LIMITORQUE TEST RPT. 600376A WYLE RPT 17446-5

QUAL STATUS DGR

POOR ORIGINAL

Equipment No MO1001-63
 Description MOTOR OPERATOR 4-NI4H3 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-00-5 97274A 337511B ID463515-DV
 Safety Function 2 RX VESSEL HD SPRAY BLOCK VALVE
 Plant Location 1 30
 Operating Time Req/Avail R-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Goal Envir TEST CURVE #10 TEST CURVE #11 RAD-2X10E8
 Aging THERMAL-100 hrs 180C MECH-500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document LIMITORQUE LETTER TO BPCO 4-27-79 LIMITORQUE TWX TO BPCO 5-17-79 LIMITORQUE TWX TO BPCO 5-29-79 LIM
 ITORQUE TEST RPT 600198 1-2-69 LIMITORQUE TEST RPT 600376A WYLE RPT 17446-5

QUAL STATUS DOR

Equipment No MO1201-2
 Description MOTOR OPERATOR 6-NI4H3 VALVE M247
 System RCIR WTR CLEAN-UP CNTM ISOLATION
 Man/Model LIMITORQUE SMB-00-15 99131A 337511H RELIANCE 447271-DU
 Safety Function 2 ISO RECIRC. TO CLEANUP SYSTEM PBOC TERM
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day R-PBOC-30 min
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Goal Envir TEST CURVE #10 TEST CURVE #11 RAD-2X10E8
 Aging THERMAL-100 hrs 180C MECH-500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document LIMITORQUE LETTER TO BPCO 4-27-79 LIMITORQUE TWX TO BPCO 5-17-79 LIMITORQUE TWX TO BPCO 5-29-79 LIM
 ITORQUE TEST RPT 600198 1-2-69 LIMITORQUE TEST RPT 600376A WYLE RPT 17446-5

QUAL STATUS DOR

Equipment No MO1301-16
 Description MOTOR OPERATOR N14 VALVES RCIC M245
 System RCIC CNTM ISOLATION
 Man/Model LIMITORQUE SMB-00-10 126352 345137C PEERLESS FX01233
 Safety Function 2 RCIC CONT ISO VALVE-INSIDE PBOC TERM
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day R-PBOC-30 min
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Goal Envir TEST CURVE #10 TEST CURVE #11 RAD-2X10E8
 Aging THERMAL-100 hrs 180C MECH-500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document LIMITORQUE LETTER TO BPCO 4-27-79 LIMITORQUE TWX TO BPCO 5-17-79 LIMITORQUE TWX TO BPCO 5-29-79 LIM
 ITORQUE TEST RPT 600198 1-2-69 LIMITORQUE TEST RPT 600376A WYLE RPT 17446-5

QUAL STATUS DOR

Equipment No MU202-5A
 Description MOTOR OPERATOR 2B GATE VALVE M252
 System REACTOR RECIRCULATION SYSTEM RHR
 Man/Model LIMITORQUE SMB-3 99741A 329731-E2 RELIANCE S/N YF276660A1WA
 Safety Function 4A RECIRC. PP DISCH. VV (LOOP SEL LGR)
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-BX10E5 (active) RAD-3.5X10E7 (passive)
 Goal Envir TEST CURVE #10 TEST CURVE #11 RAD-2X10E8 (excluding brake) RAD-1X10E6 (brake)
 Aging THERMAL-100 hrs 180C MECH-500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document LIMITORQUE LTR TO BPCO 6/11/79 LIMITORQUE LTR TO EDISON8/31/79 LIMITORQUE TEST RPT 600198 LIMITORQUE

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) IN CONTAINMENT EQUIPMENT EVALUATION LIST PAGE 11

E TEST RPT 600376A WYLE RPT 17446-5 FIRL TEST RPT F-C3271 (brake only) P&CS MEMO 80-238 (RAD brake)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY ACCEPTABILITY OF BRAKE RADIATION
 QUAL PLAN RA 9/81 FE 9/81

Equipment No MD202-5B
 Description MOTOR OPERATOR 2B GATE VALVE
 System REACTOR RECIRCULATION SYSTEM RHR
 Man/Model LIMITORQUE SMB-3 99742A 329731-E2 RELIANCE S/N Y268507A1
 Safety Function 4A RECIRC. PP DISCH. VV (LOOP SEL LGK)
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA(A)-1 min B-LOCA(P)-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-8X10E5 (active) RAD-3 5X10E7 (passive)
 Qual Envir TEST CURVE #10 TEST CURVE #11 RAD-2X10E8 (excluding brake) RAD-1X10E6 (brake)
 Aging THERMAL-100 hrs 180C MECH-500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document LIMITORQUE LTR TO BPCO 6/11/79 LIMITORQUE LTR TO EDISON8/31/79 LIMITORQUE TEST RPT 600198 LIMITORQUE

POOR ORIGINAL

E TEST RPT 600376A WYLE RPT 17446-5 FIRL TEST RPT F-C3271 (brake only) P&CS MEMO 80-238 (RAD brake)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY ACCEPTABILITY OF BRAKE RADIATION
 QUAL PLAN RA 9/81 FE 9/81

Equipment No MD2301-4
 Description MOTOR OPERATOR N14 VALVES HPCI M243
 System HPCI CNM ISOLATION
 Man/Model LIMITORQUE SMB-2-60 117541 345137M PEERLESS FX01235
 Safety Function 2/4 HPCI INJ ISO VALVE PBOC TERM
 Plant Location 1 30
 Operating Time Req/Avail R-(A)-5 hr R-(P)-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #10 TEST CURVE #11 RAD-2X10E8
 Aging THERMAL-100 hrs 180C MECH-500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document LIMITORQUE LETTER TO BPCO 4-27-79 LIMITORQUE TWX TO BPCO 5-17-79 LIMITORQUE TWX TO BPCO 5-29-79 LMI
 TORQUE TEST RPT 600198 1-2-69 LIMITORQUE TEST RPT. 600376A WYLE RPT 17446-5

QUAL STATUS DOR

Equipment No MD261-1 MD220-1
 Description MOTOR OPERATOR 3-N14M4 VALVE M252
 System MAIN STEAM CNM ISOLATION
 Man/Model LIMITORQUE SMB-000-5 121778 345137G PEERLESS FX01632
 Safety Function 2 MSIV DRAIN BLOCK VALVE
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P) 30 day R-PBOC(A)-30 min R-PBOC(P)-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #10 TEST CURVE #11 RAD-2X10E8
 Aging THERMAL 100 hrs 180C MECH-500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document LIMITORQUE LETTER TO BPCO 4-27-79 LIMITORQUE TWX TO BPCO 5-17-79 LIMITORQUE TWX TO BPCO 5-29-79 LIM
 TORQUE TEST RPT 600198 1-2-69 LIMITORQUE TEST RPT. 600376A WYLE RPT 17446-5

QUAL STATUS DOR

Equipment No Q100A
 Description CONTAINMENT ELECTRICAL PENETRATION NEUTRON MONITORING
 System CNM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLQ*
 Safety Function 2A CNM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1 9
 Operating Time Req/Avail R-LOCA(P) 30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7

Goal Envir TEST CURVE #8 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/W/Z) EPAQ-045 (RAD-SEALS) BPCo SCEQ WYLE RPT 17446-9
 QVAL STATUS DDR-A
 QVAL PLAN AA 4/81 FE 6/81

POOR ORIGINAL

Equipment No Q100B
 Description CONTAINMENT ELECTRICAL PENETRATION NEUTRON MONITORING
 System CNIM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNIM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1 9
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Goal Envir TEST CURVE #8 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/W/Z) EPAQ-046 (RAD-SEALS) BPCo SCEQ WYLE RPT 17446-9
 QVAL STATUS DDR-A
 QVAL PLAN AA 4/81 FE 6/81

Equipment No Q100C
 Description CONTAINMENT ELECTRICAL PENETRATION NEUTRON MONITORING
 System CNIM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNIM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1 10
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Goal Envir TEST CURVE #8 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/W/Z) EPAQ-046 (RAD-SEALS) BPCo SCEQ WYLE RPT 17446-9
 QVAL STATUS DDR-A
 QVAL PLAN AA 4/81 FE 6/81

Equipment No Q100D
 Description CONTAINMENT ELECTRICAL PENETRATION NEUTRON MONITORING
 System CNIM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNIM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1 10
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Goal Envir TEST CURVE #8 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/W/Z) EPAQ-046 (RAD-SEALS) BPCo SCEQ WYLE RPT 17446-9
 QVAL STATUS DDR-A
 QVAL PLAN AA 4/81 FE 6/81

Equipment No Q100E
 Description CONTAINMENT ELECTRICAL PENETRATION LOW VOLTAGE SIGNAL & THERMOCOUPLE
 System CNIM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNIM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1 9

Operating Time Req/Avail R-LOCA(P)-30 day NR-PBDC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #8 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/W/Z) EPAQ-046 (RAD-SEALS) BPCo SCEQ WYLE RPT 17446-9
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/81 FE 6/81

Equipment No G101A
 Description CONTAINMENT ELECTRICAL PENETRATION 5 KV POWER
 System CNTM INTEGRITY
 Man/Model PHYSICAL SCIENCE CANISTER TYPE #7060-1
 Safety Function 2A CNTM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1 9
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBDC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #6 RAD-4.5X10E15 HUMIDITY-100%
 Aging PRIMARY SEAL AL203 CERAMIC NOT AFFECTED BY THERMAL AGING
 Method of Qualification F/W TEST RAD-EVALUATION HUMIDITY-EVALUATION
 Supporting Document SPSD-GC-206 BPCo SCEQ BPCo CEQE WYLE RPT 17446-6
 QUAL STATUS DOR

Equipment No G101B
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 System ELECTRICAL DISTRIBUTION CNTM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238x60*NLG*
 Safety Function 2A/12 CNTM INTEGRITY/ELECT DISTRIBUTION
 Plant Location 1 30 1 9
 Operating Time Req/Avail R-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #7 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-055/EPAQ-007 (F/W/Z) EPAQ-046 (RAD-SEALS) EPAQ-047/AEPAQ-3 (SIS CABLE) BPCo SCEQ WYLE RPT 17446-9
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/81 FE 6/81

Equipment No G101C
 Description CONTAINMENT ELECTRICAL PENETRATION 5 KV POWER
 System CNTM INTEGRITY
 Man/Model PHYSICAL SCIENCE CANISTER TYPE #7060-2
 Safety Function 2A CNTM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1 10
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBDC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #6 RAD-4.5X10E15 HUMIDITY-100%
 Aging PRIMARY SEAL AL203 CERAMIC NOT AFFECTED BY THERMAL AGING
 Method of Qualification F/W TEST RAD-EVALUATION HUMIDITY-EVALUATION
 Supporting Document SPSD-GC-206 BPCo SCEQ BPCo CEQE WYLE RPT 17446-6
 QUAL STATUS DOR

Equipment No G102A
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 System ELECTRICAL DISTRIBUTION CNTM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238x60*NLG*
 Safety Function 2A/12 CNTM INTEGRITY/ELECT DISTRIBUTION

POOR ORIGINAL

POOR ORIGINAL

Plant Location 1 30 1 10
 Operating Time Req/Avail R-30 day
 DHE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #7 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-055/EPAQ-007 (F/M/%) EPAQ-046 (RAD-SEALS) EPAQ-047/AEPAQ-3 (SIS CABLE) BPCo SCEG WYLE RPT 1 446-9
 QUAL STATUS DUR-A
 QUAL PLAN AA 4/81 FE 6/81

Equipment No 61029
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 System ELECTRICAL DISTRIBUTION CNIM INTEGRITY
 Man/Model SE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A/12 CNIM INTEGRITY/ELECT DISTRIBUTION
 Plant Location 1 30 1.9
 Operating Time Req/Avail R-30 day
 DHE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #7 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-055/EPAQ-007 (F/M/%) EPAQ-046 (RAD-SEALS) EPAQ-047/AEPAQ-3 (SIS CABLE) BPCo SCEG WYLE RPT 1 446-9
 QUAL STATUS DUR-A
 QUAL PLAN AA 4/81 FE 6/81

Equipment No 6103A
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 System ELECTRICAL DISTRIBUTION CNIM INTEGRITY
 Man/Model SE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A/12 CNIM INTEGRITY/ELECT DISTRIBUTION
 Plant Location 1 30 1 10
 Operating Time Req/Avail R-30 day
 DHE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #7 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-055/EPAQ-007 (F/M/%) EPAQ-046 (RAD-SEALS) EPAQ-047/AEPAQ-3 (SIS CABLE) BPCo SCEG WYLE RPT 1 446-9
 QUAL STATUS DUR-A
 QUAL PLAN AA 4/81 FE 6/81

Equipment No 6103B
 Description CONTAINMENT ELECTRICAL PENETRATION LOW VOLTAGE SIGNAL & THERMOCOUPLE
 System CNIM INTEGRITY
 Man/Model SE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNIM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1.9
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBDC
 DHE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #9 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/M/%) EPAQ-046 (RAD-SEALS) BPCo SCEG WYLE RPT 17446-9
 QUAL STATUS DUR-A
 QUAL PLAN AA 4/81 FE 6/81

Equipment No 6103C
 Description CONTAINMENT ELECTRICAL PENETRATION LOW VOLTAGE SIGNAL & THERMOCOUPLE
 System CNIM INTEGRITY
 Man/Model SE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNIM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1.9
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBDC
 DHE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #9 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/M/%) EPAQ-046 (RAD-SEALS) BPCo SCEG WYLE RPT 17446-9
 QUAL STATUS DUR-A
 QUAL PLAN AA 4/81 FE 6/81

POOR ORIGINAL

Equipment No Q104A
 Description CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
 System CNTM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNTM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1 9
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #B RAD-1X10EB (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/#/%) EPAQ-046 (RAD-SEALS) BPCo SCEG WYLE RPT 17446-9
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/B1 FE 6/B1

Equipment No Q104B
 Description CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
 System CNTM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNTM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1 9
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #B RAD-1X10EB (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/#/%) EPAQ-046 (RAD-SEALS) BPCo SCEG WYLE RPT 17446-9
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/B1 FE 6/B1

Equipment No Q104C
 Description CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
 System CNTM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNTM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1 9
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #B RAD-1X10EB (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/#/%) EPAQ-046 (RAD-SEALS) BPCo SCEG WYLE RPT 17446-9
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/B1 FE 6/B1

Equipment No Q104D
 Description CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
 System CNTM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNTM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1 9
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #B RAD-1X10EB (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/#/%) EPAQ-046 (RAD-SEALS) BPCo SCEG WYLE RPT 17446-9
 QUAL STATUS DOR-A

POOR ORIGINAL

QUAL PLAN AA 4/81 FE 6/81

Equipment No Q104E
 Description CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
 System CNIM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNIM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1.30 1.9
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBDC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #B RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/#/%) EPAQ-046 (RAD-SEALS) BPCo SCEG WYLE RPT 17446-9
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/81 FE 6/81

Equipment No Q104F
 Description CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
 System CNIM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNIM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1.30 1.9
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBDC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #B RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/#/%) EPAQ-046 (RAD SEALS) BPCo SCEG WYLE RPT 17446-9
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/81 FE 6/81

Equipment No Q104G
 Description CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION & TIP SYS
 System CNIM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNIM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1.30 1.10
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBDC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #B RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/#/%) EPAQ-046 (RAD-SEALS) BPCo SCEG WYLE RPT 17446-9
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/81 FE 6/81

Equipment No Q104H
 Description CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION
 System CNIM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNIM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1.30 1.10
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBDC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #B RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE

Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/#/%) EPAQ-046 (RAD-SEALS) BPCo SCEQ WYLE RPT 17446-9
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/81 FE 6/81

Equipment No G104J
 Description CONTAINMENT ELECTRICAL PENETRATION ROD POSITION INDICATION & TIP SYS
 System CNTM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A CNTM INTEGRITY PRESSURE BOUNDARY ONLY
 Plant Location 1 30 1 10
 Operating Time Req/Avail R-LOCA(P) 30 day NR-PBDC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #8 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-060/EPAQ-009/EPAQ-010 (F/#/%) EPAQ-046 (RAD-SEALS) BPCo SCEQ WYLE RPT 17446-9
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/81 FE 6/81

POOR ORIGINAL

Equipment No G105A
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 System ELECTRICAL DISTRIBUTION CNTM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A/12 CNTM INTEGRITY/ELECT DISTRIBUTION
 Plant Location 1 30 1 9
 Operating Time Req/Avail R-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #7 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-055/EPAQ-007 (F/#/%) EPAQ-046 (RAD-SEALS) EPAQ-047/AEPAQ-3 (SIS CABLE) BPCo SCEQ WYLE RPT 17
 446-9
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/81 FE 6/81

Equipment No G105B
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 System ELECTRICAL DISTRIBUTION CNTM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A/12 CNTM INTEGRITY/ELECT DISTRIBUTION
 Plant Location 1 30 1 10
 Operating Time Req/Avail R-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #7 RAD-1X10E8 (SEALS)
 Aging outstanding item
 Method of Qualification TEST/SEPARATE
 Supporting Document EPAQ-055/EPAQ-007 (F/#/%) EPAQ-046 (RAD-SEALS) EPAQ-047/AEPAQ-3 (SIS CABLE) BPCo SCEQ WYLE RPT 17
 446-9
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/81 FE 6/81

Equipment No G106B
 Description CONTAINMENT ELECTRICAL PENETRATION 600 VOLT POWER & CONTROL
 System ELECTRICAL DISTRIBUTION CNTM INTEGRITY
 Man/Model GE CANISTER TYPE PENETRATION 238X60*NLG*
 Safety Function 2A/12 CNTM INTEGRITY/ELECT DISTRIBUTION
 Plant Location 1 30 1 9
 Operating Time Req/Avail R-30 day

DBE Env Req Qual Envr Aging Method of Qualification Supporting Document
 SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 TEST CURVE #7 RAD-1X10E8 (SEALS)
 outstanding item
 TEST/SEPARATE
 EPAQ-055/EPAQ-007 (F/W/%) EPAQ-046 (RAD SEALS) EPAQ-047/AEPAQ-3 (SIS CABLE) BPCo SCEQ WYLE RPT 17446-9

QUAL STATUS DGR-A
 GUAL PLAN AA 4/B1 FE 6/B1

Equipment No Description System Man/Model Safety Function Plant Location Operating Time Req/Avail DBE Env Req Qual Envr Aging Method of Qualification Supporting Document GUAL STATUS DGR
 Q202A
 CONTAINMENT ELECTRICAL PENETRATION TORUS
 CHIM INTEGRITY
 CONAX MODULAR TYPE
 2A CHIM INTEGRITY PRESSURE BOUNDARY ONLY
 1 30 TORUS AREA
 R-LOCA(IP)-30 day NR-PBUC
 SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 TEST CURVE #5 RAD-1X10E8
 THERMAL-169hrs 124C
 TEST/SEPARATE/SIMILAR
 CONAX RPT IPS-42 REV. A WYLE RPT 17446-7

POOR ORIGINAL

Equipment No Description System Man/Model Safety Function Plant Location Operating Time Req/Avail DBE Env Req Qual Envr Aging Method of Qualification Supporting Document GUAL STATUS DGR
 Q202B
 CONTAINMENT ELECTRICAL PENETRATION TORUS
 CHIM INTEGRITY
 CONAX MODULAR TYPE
 2A CHIM INTEGRITY PRESSURE BOUNDARY ONLY
 1 30 TORUS AREA
 R-LOCA(IP)-30 day NR-PBUC
 SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 TEST CURVE #5 RAD-1X10E8
 THERMAL-169hrs 124C
 TEST/SEPARATE/SIMILAR
 CONAX RPT IPS-42 REV. A WYLE RPT 17446-7

Equipment No Description System Man/Model Safety Function Plant Location Operating Time Req/Avail DBE Env Req Qual Envr Aging Method of Qualification Supporting Document GUAL STATUS DGR
 S157275
 TYPE SIS SWITCHBOARD WIRE N/A
 ELECTRICAL DISTRIBUTION
 GE S1-57275
 12 ELECT DIST
 1 30 VARIOUS
 R-30 day ASSUMED
 SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10E8
 TEST CURVE #9 RAD-2X10E8
 THERMAL-822hrs 132C
 TEST/SEPARATE
 EPAQ-015 (F/W/%) EPAQ-047 (RAD) AEPAQ-3 (RAD) 43905-2 WYLE F1RL TEST RPT F-C44
 97-2 SIMILAR EQUIPMENT WYLE RPT 17446-8

Equipment No Description System Man/Model Safety Function Plant Location
 S157279
 TYPE SIS SWITCHBOARD WIRE
 ELECTRICAL DISTRIBUTION
 GE SIS VM-1 S157279
 12 ELECT DIST
 1 30 VARIOUS

Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10E8
 Qual Envir TEST CURVE #36 RAD-2.2X10E8
 Aging THERMAL-432hrs 132C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document FIRL TEST REPORT F-C4497-2
 QUAL STATUS DDR

Equipment No SPLICE (600V PENETRATION)
 Description PENETRATION 600V POWER & CONTROL CABLE SPLICES
 System ELECTRICAL DISTRIBUTION
 Man/Model RAYCHEM WCSF-N
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30

Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-2X10E8
 Qual Envir TEST CURVE #16 RAD-2X10E8
 Aging THERMAL-168 hrs 150C RAD-5X10E7
 Method of Qualification TEST/SIMULTANEOUS
 Supporting Document F-C4033-3 FIRL 43905-2 WYLE WYLE RPT 17446-10
 QUAL STATUS DDR

Equipment No SPLICE (SOV)
 Description SOV 600V CABLE SPLICES
 System ELECTRICAL DISTRIBUTION
 Man/Model RAYCHEM WCSF-N
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 30 VARIOUS

Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #16 RAD-2X10E8
 Aging THERMAL-168 hrs 150C RAD-5X10E7
 Method of Qualification TEST/SIMULTANEOUS
 Supporting Document F-C4033-3 FIRL 43905-2 WYLE F-C5022-2 FIRL WYLE RPT 17446-10
 QUAL STATUS DDR

Equipment No SV1001-95A
 Description SOLENOID VALVE FOR AD 1001-95A M241
 System RHR CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 TESTABLE CK VALVE BYPASS VALVE
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBDC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR WYLE RPT 17446-11
 QUAL STATUS DDR

Equipment No SV1001-95B
 Description SOLENOID VALVE FOR AD 1001-95B M241
 System RHR CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 TESTABLE CK VALVE BYPASS VALVE
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBDC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7

POOR ORIGINAL

Goal Envir TEST CURVE #13 RAD-2X10E9
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR WYLE RPT 17446-11
 QUAL STATUS DQR

Equipment No SV1400-51A
 Description SOLENOID VALVE FOR AD140051A M242
 System CORE SPRAY CNM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 TESTABLE CK BYPASS VV SOV
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #13 RAD-2X10E9
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR WYLE RPT 17446-11
 QUAL STATUS DQR

Equipment No SV1400-51B
 Description SOLENOID VALVE FOR AD1400-51B M242
 System CORE SPRAY CNM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 TESTABLE CK BYPASS VV SOV
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3.5X10E7
 Qual Envir TEST CURVE #13 RAD-2X10E9
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR WYLE RPT 17446-11
 QUAL STATUS DQR

Equipment No SV203-3A
 Description RELIEF VALVE SOLENOID VALVE M252
 System MAIN STEAM ADS
 Man/Model TARGET ROCK 1/2SMS-A-01
 Safety Function 1Q ADS ACTUATION
 Plant Location 1 30
 Operating Time Req/Avail R-B hr
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-1.2X10E7
 Qual Envir TEST CURVE #33 RAD-3.2X10E7
 Aging THERMAL-480 hrs 140C MECH-8000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document TEST SUMMARY per GE LTR G-HK-9-123 9/23/79 WYLE RPT 17446-12
 QUAL STATUS DQR

Equipment No SV203-3B
 Description RELIEF VALVE SOLENOID VALVE M252
 System MAIN STEAM ADS
 Man/Model TARGET ROCK 1/2SMS-A-01
 Safety Function 1Q ADS ACTUATION
 Plant Location 1 30
 Operating Time Req/Avail R-B hr
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-1.2X10E7
 Qual Envir TEST CURVE #33 RAD-3.2X10E7
 Aging THERMAL-480 hrs 140C MECH-8000 CYCLES

POOR ORIGINAL

POOR ORIGINAL

Method of Qualification TEST/SEQUENTIAL
 Supporting Document TEST SUMMARY per GE LTR G-HK-9-123 9/23/79 WYLE RPT 17446-12
 QUAL STATUS DOR

Equipment No SV203-3C
 Description RELIEF VALVE SOLENOID VALVE M252
 System MAIN STEAM ADS
 Man/Model TARGET ROCK 1/2SMS-A-01
 Safety Function 10 ADS ACTUATION
 Plant Location 1 30
 Operating Time Req/Avail R-8 hr
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-1 2X10E7
 Qual Envir TEST CURVE #33 RAD-3 2X10E7
 Aging THERMAL-480 hrs 140C MECH-8000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document TEST SUMMARY per GE LTR G-HK-9-123 9/23/79 WYLE RPT 17446-12
 QUAL STATUS DOR

Equipment No SV203-3D
 Description RELIEF VALVE SOLENOID VALVE M252
 System MAIN STEAM ADS
 Man/Model TARGET ROCK 1/2SMS-A-01
 Safety Function 10 ADS ACTUATION
 Plant Location 1 30
 Operating Time Req/Avail R-8 hr
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-1 2X10E7
 Qual Envir TEST CURVE #33 RAD-3 2X10E7
 Aging THERMAL-480 hrs 140C MECH-8000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document TEST SUMMARY per GE LTR G-HK-9-123 9/23/79 WYLE RPT 17446-12
 QUAL STATUS DOR

Equipment No SV220-44
 Description SOLENOID VALVE FOR AD 220-44 M252
 System REACTOR RECIRCULATION SYSTEM CNIM ISOLATION
 Man/Model ASCO NP8320A1B4E
 Safety Function 2 SAMPLE SYSTEM ISOLATION
 Plant Location 1 30
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day R-PBOC(A)-30 min R-PBOC(P)-30 day
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR WYLE RPT 17446-11
 QUAL STATUS DOR

Equipment No TERMINATIONS (LESS THAN 4 kv)
 Description STANDARD INDUSTRIAL COMPRESSION TYPE TERMINATIONS
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS VARIOUS MFR OF RING-TONGUE TERMINALS
 Safety Function 12 ELECT DIST.
 Plant Location 1 30 VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req SERVICE PROFILE 1a SERVICE PROFILE 1b RAD-3 5X10E7
 Qual Envir (F/W/Z)-NOT REQUIRED not a significant failure mechanism RAD-NOT REQUIRED not a significant failure mechanism
 Aging NOT A SIGNIFICANT FAILURE MECHANISM
 Method of Qualification ANALYSIS/UTILITY/TESTING LAB

Supporting Document: WTL RPT 1746-12
GUAL STATUS: JCU FINAL EVALUATION TO VERIFY THAT BARRIER TYPE TERMINAL BLOCKS WERE UTILIZED
GUAL PLAN: 11 9/81 HT/RA/AA/IF NECESSARY) FE 11/81

POOR ORIGINAL

PRINT OUT

2 II

Equipment No	210 KERITE
Description	2/C STRANDED #10 600V POWER & CONTROL
System	ELECTRICAL DISTRIBUTION
Man/Model	KERITE FR INSULATION FR OVERALL JACKET
Safety Function	12 ELECTRICAL DISTRIBUTION
Plant Location	VARIOUS
Operating Time Req/Avail	R-30 day ASSUMED
DBE Env Req	(F/#/%) - PBOC-1 in area 1.10B assumed worst case RAD-6.2X10E5
Qual Envir	TEST CURVE #3 RAD-2X10E8
Aging	THERMAL-100 hrs 150C
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES
QUAL STATUS	DOR-A
QUAL PLAN	AA 3/81 FE 4/81

Equipment No	410 KERITE
Description	4/C STRANDED #10 600V POWER & CONTROL
System	ELECTRICAL DISTRIBUTION
Man/Model	KERITE FR INSULATION FR OVERALL JACKET
Safety Function	12 ELECTRICAL DISTRIBUTION
Plant Location	VARIOUS
Operating Time Req/Avail	R-30 day ASSUMED
DBE Env Req	(F/#/%) - PBOC-1 in area 1.10B assumed worst case RAD-6.2X10E5
Qual Envir	TEST CURVE #3 RAD-2X10E8
Aging	THERMAL-100 hrs 150C
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES
QUAL STATUS	DOR-A
QUAL PLAN	AA 3/81 FE 4/81

Equipment No	A1 KERITE
Description	1/C STRANDED #000 5KV CABLE
System	ELECTRICAL DISTRIBUTION
Man/Model	KERITE HT INSULATION NS JACKET
Safety Function	12 ELECTRICAL DISTRIBUTION
Plant Location	VARIOUS
Operating Time Req/Avail	R-30 day ASSUMED
DBE Env Req	(F/#/%) - PBOC-1 in area 1.10B assumed worst case RAD-1.1X10E7
Qual Envir	TEST CURVE #1 RAD-2X10E8
Aging	THERMAL-100 hrs 150C
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES
QUAL STATUS	DOR

Equipment No	A1 OKONITE
Description	1/C STRANDED #0000 5KV CABLE
System	ELECTRICAL DISTRIBUTION
Man/Model	OKONITE OKOLITE INSULATION OKOLON JACKET
Safety Function	12 ELECTRICAL DISTRIBUTION
Plant Location	VARIOUS
Operating Time Req/Avail	R-30 day ASSUMED
DBE Env Req	(F/#/%) - PBOC-1 in area 1.10B assumed worst case RAD-1.1X10E7
Qual Envir	(F/#/%) - IN EXCESS OF REQUIRED RAD-5X10E7
Aging	outstanding item
Method of Qualification	EVALUATION/VENDOR based on TEST/SEPARATE/SIMILAR eqpt
Supporting Document	OKONITE LTR 6/4/79 (F/#/%) OKONITE LTR 7/9/79 (RAD) BPCo SCEG
QUAL STATUS	DOR-A

QUAL PLAN AA 3/81 FE 5/81

Equipment No A2 KERITE
 Description 1/C STRANDED 350 MCM 5KV CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE HT INSULATION NS JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBQC-1 in area 1.10B assumed worst case RAD-1.1X10E7
 Qual Envir TEST CURVE #1 RAD-2X10E8
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES
 QUAL STATUS DOR

Equipment No A2 OKONITE
 Description 1/C STRANDED 350MCM 5KV CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model OKONITE OKOLITE INSULATION OKOLON JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBQC-1 in area 1.10B assumed worst case RAD-1.1X10E7
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-5X10E7
 Aging outstanding item
 Method of Qualification EVALUATION/VENDOR based on TEST/SEPARATE/SIMILAR eqpt
 Supporting Document OKONITE LTR 6/4/79 (F/#/%) OKONITE LTR 7/9/79 (RAD) BPCo SCEQ
 QUAL STATUS DOR-A

QUAL PLAN AA 3/81 FE 5/81

Equipment No A3 KERITE
 Description 1/C STRANDED 500MCM 5KV CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE HT INSULATION NS JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBQC-1 in area 1.10B assumed worst case RAD-1.1X10E7
 Qual Envir TEST CURVE #1 RAD-2X10E8
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES
 QUAL STATUS DOR

Equipment No A4 KERITE
 Description 1/C STRANDED 1250MCM 5KV CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE HT INSULATION NS JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBQC-1 in area 1.10B assumed worst case RAD-1.1X10E7
 Qual Envir TEST CURVE #1 RAD-2X10E8
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES
 QUAL STATUS DOR

Equipment No A0203-2A
 Description SECOND ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252
 System MAIN STEAM RPS CNTM ISOLATION
 Man/Model VARIOUS AVCO/C5159 (SOV) NAMCO/EA740-50100 (LIM SW)
 Safety Function 1/2/11 MSIV SCRAM & SR DSPLY (LIM SW)/MN STM ISO (SOV)
 Plant Location STEAM TUNNEL
 Operating Time Req/Avail R-(A)-30 min (SOV) R-(P)-30 day (SOV) R-30 day (LM SW)
 DBE Env Req (F/#/%) -PBOC-B RAD-2.5X10E6
 Qual Envir TEST CURVE #14 (SOV) TEST CURVE #15 (SOV) RAD-3X10E7 (SOV) TEST CURVE #18 (LIM SW) RAD-2.0
 4X10E8 (LIM SW)
 Aging MECH-55 CYCLES during F/#/%) test (SOV) THERMAL-200 hrs 93C (LIM SW) MECH-100000 CYCLES (LIM SW)
 Method of Qualification TEST/SEPARATE/SIMILAR EQPT (SOV) TEST/SEQUENTIAL (LIM SW)
 Supporting Document GE LTR G-HK-9-44 ROCKWELL RPT #2792-03-02 (SOV F/#/%) GE PEDEM #126-62 (SOV RAD) NAMCO TEST
 RPT FOR MODEL EA-740 2/20/78 (LIM SW) ATWOOD & MORRILL TEST RPT #STR-060578-1 (LIM SW)
 QUAL STATUS DOR-A(LIM SW) JCO(SV) FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING TO SOVs PROVIDED BY GE
 QUAL PLAN AA 2/8(LIM SW) FE 4/8(LIM SW) FE 4/8(SV)

Equipment No A0203-2B
 Description SECOND ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 System MAIN STEAM RPS CNTM ISOLATION
 Man/Model VARIOUS AVCO/C5159 (SOV) NAMCO/EA740-50100 (LIM SW)
 Safety Function 1/2/11 MSIV SCRAM & SR DSPLY (LIM SW)/MN STM ISO (SOV)
 Plant Location STEAM TUNNEL
 Operating Time Req/Avail R-(A)-30 min (SOV) R-(P)-30 day (SOV) R-30 day (LM SW)
 DBE Env Req (F/#/%) -PBOC-B RAD-2.5X10E6
 Qual Envir TEST CURVE #14 (SOV) TEST CURVE #15 (SOV) RAD-3X10E7 (SOV) TEST CURVE #18 (LIM SW) RAD-2.0
 4X10E8 (LIM SW)
 Aging MECH-55 CYCLES during F/#/%) test (SOV) THERMAL-200 hrs 93C (LIM SW) MECH-100000 CYCLES (LIM SW)
 Method of Qualification TEST/SEPARATE/SIMILAR EQPT (SOV) TEST/SEQUENTIAL (LIM SW)
 Supporting Document GE LTR G-HK-9-44 ROCKWELL RPT #2792-03-02 (SOV F/#/%) GE PEDEM #126-62 (SOV RAD) NAMCO TEST
 RPT FOR MODEL EA-740 2/20/78 (LIM SW) ATWOOD & MORRILL TEST RPT #STR-060578-1 (LIM SW)
 QUAL STATUS DOR-A(LIM SW) JCO(SV) FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING TO SOVs PROVIDED BY GE
 QUAL PLAN AA 2/8(LIM SW) FE 4/8(LIM SW) FE 4/8(SV)

Equipment No A0203-2C
 Description SECOND ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 System MAIN STEAM RPS CNTM ISOLATION
 Man/Model VARIOUS AVCO/C5159 (SOV) NAMCO/EA740-50100 (LIM SW)
 Safety Function 1/2/11 MSIV SCRAM & SR DSPLY (LIM SW)/MN STM ISO (SOV)
 Plant Location STEAM TUNNEL
 Operating Time Req/Avail R-(A)-30 min (SOV) R-(P)-30 day (SOV) R-30 day (LM SW)
 DBE Env Req (F/#/%) -PBOC-B RAD-2.5X10E6
 Qual Envir TEST CURVE #14 (SOV) TEST CURVE #15 (SOV) RAD-3X10E7 (SOV) TEST CURVE #18 (LIM SW) RAD-2.0
 4X10E8 (LIM SW)
 Aging MECH-55 CYCLES during F/#/%) test (SOV) THERMAL-200 hrs 93C (LIM SW) MECH-100000 CYCLES (LIM SW)
 Method of Qualification TEST/SEPARATE/SIMILAR EQPT (SOV) TEST/SEQUENTIAL (LIM SW)
 Supporting Document GE LTR G-HK-9-44 ROCKWELL RPT #2792-03-02 (SOV F/#/%) GE PEDEM #126-62 (SOV RAD) NAMCO TEST
 RPT FOR MODEL EA-740 2/20/78 (LIM SW) ATWOOD & MORRILL TEST RPT #STR-060578-1 (LIM SW)
 QUAL STATUS DOR-A(LIM SW) JCO(SV) FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING TO SOVs PROVIDED BY GE
 QUAL PLAN AA 2/8(LIM SW) FE 4/8(LIM SW) FE 4/8(SV)

Equipment No A0203-2D
 Description SECOND ISOLATION VALVE AIR OPERATOR & VALVE CONTROL SYSTEM M252 (730E 583)
 System MAIN STEAM RPS CNTM ISOLATION

74-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) OUTSIDE CONTAINMENT EQUIPMENT EVALUATION LIST PAGE 4

Man/Model VARIOUS AVCO/C5159 (SOV) NAMCO/EA740-50100 (LIM SW)
 Safety Function 1/2/11 MSIV SCRAM & SR DSPLY (LIM SW)/MN STM ISO (SOV)
 Plant Location STEAM TUNNEL
 Operating Time Req/Avail R-(A)-30 min (SOV) R-(P)-30 day (SOV) R-30 day (LIM SW)
 DBE Env Req (F/#/%) -PBOC-B RAD-2 5X10E6
 Qual Envir TEST CURVE #14 (SOV) TEST CURVE #15 (SOV) RAD-3X10E7 (SOV) TEST CURVE #18 (LIM SW) RAD-2 0
 Aging 4X10E8 (LIM SW)
 MECH-55 CYCLES during F/#/% test (SOV) THERMAL-200 hrs 93C (LIM SW) MECH-100000 CYCLES (LIM SW)
 Method of Qualification TEST/SEPARATE/SIMILAR EQPT (SOV) TEST/SEQUENTIAL (LIM SW)
 Supporting Document GE LTR G-HK-9-44 ROCKWELL RPT #2792-03-02 (SOV F/#/%) GE PEDEM #126-62 (SOV RAD) NAMCO TEST
 RPT FOR MODEL EA-740 2/20/78 (LIM SW) ATWOOD & MORRILL TEST RPT #STR-060578-1 (LIM SW)
 QUAL STATUS DOR-A(LIM SW) JCD(SV) FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING TO SOVs PROVIDED BY GE
 QUAL PLAN AA 2/81(LIM SW) FE 4/81(LIM SW) FE 4/81(SV)

Equipment No B1 KERITE
 Description 1/C STRANDED 350MCM 600V POWER CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE HT INSULATION FR JACKET
 Safety Function 12 ELECTRICAL ISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) -PBOC-1 in area 1 10B assumed worst case RAD-5 4X10E6
 Qual Envir TEST CURVE #2 RAD-2X10E8
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES
 QUAL STATUS DOR-A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No B17
 Description AC MOTOR CONTROL CENTER E10
 System ELECTRICAL DISTRIBUTION
 Man/Model NELSON ELECTRIC CLASS 1035E
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 9
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) -PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) -IN EXCESS OF REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification EVALUATION/BPCo based on (F/#/%) TEST/SIMILAR eqpt GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document FIRM TEST RPT F-C3781-1 BPCo SCEG BPCo CEQE P&CS MEMO 80-238 (RAD) P&CS 80-257 (AGING) P
 &CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCD FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING & GENERIC EVALUATIONS
 QUAL PLAN II 1/81 RA 5/81 AA 5/81 HT 9/81 FE 9/81

Equipment No B18
 Description AC MOTOR CONTROL CENTER E10
 System ELECTRICAL DISTRIBUTION
 Man/Model NELSON ELECTRIC CLASS 1035E
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 10
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) -PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) -IN EXCESS OF REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification EVALUATION/BPCo based on (F/#/%) TEST/SIMILAR eqpt GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document FIRM TEST RPT F-C3781-1 BPCo SCEG BPCo CEQE P&CS MEMO 80-238 (RAD) P&CS 80-257 (AGING) P

&CS MEMO 80-186 (F/#/%)

QUAL STATUS JCD FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING & GENERIC EVALUATIONS
 QUAL PLAN II 1/81 RA 5/81 AA5/81 HT 9/81 FE 9/81

Equipment No B2 KERITE
 Description 1/C STRANDED #0000 600V POWER CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE HT INSULATION FR JACKET
 Safety Function 12 ELECTRICAL ISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) -PBOC-1 in area 1 10B assumed worst case RAD-5.4X10E6
 Qual Envir TEST CURVE #2 RAD-2X10E8
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES
 QUAL STATUS DOR-A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No B20
 Description AC MOTOR CONTROL CENTER E10
 System ELECTRICAL DISTRIBUTION
 Man/Model NELSON ELECTRIC CLASS 1035E
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.9
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) -PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) -IN EXCESS OF REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification EVALUATION/BPCo based on (F/#/%) TEST/SIMILAR eqpt GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document FIRL TEST RPT E-C3781-1 BPCo SCEG BPCo CEQE P&CS MEMO 80-238 (RAD) P&CS 80-257 (AGING) P

&CS MEMO 80-186 (F/#/%)

QUAL STATUS JCD FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING & GENERIC EVALUATIONS
 QUAL PLAN II 1/81 RA 5/81 AA 5/81 HT 9/81 FE 9/81

Equipment No B3 KERITE
 Description 1/C STRANDED #00 600V POWER CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE HT INSULATION FR JACKET
 Safety Function 12 ELECTRICAL ISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) -PBOC-1 in area 1 10B assumed worst case RAD-5.4X10E6
 Qual Envir TEST CURVE #2 RAD-2X10E8
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES
 QUAL STATUS DOR-A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No B4 KERITE
 Description 1/C STRANDED #0 600V POWER CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE HT INSULATION FR JACKET
 Safety Function 12 ELECTRICAL ISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) -PBOC-1 in area 1 10B assumed worst case RAD-5.4X10E6

Qual Envir TEST CURVE #2 RAD-2X10E8
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES
 QVAL STATUS DQR-A
 QVAL PLAN AA 3/81 FE 4/81

Equipment No B5 KERITE
 Description 1/C STRANDED #4 600V POWER CABLE
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE HT INSULATION FR JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBDC-1 in area 1.10B assumed worst case RAD-5.4X10E6
 Qual Envir TEST CURVE #2 RAD-2X10E8
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES
 QVAL STATUS DQR-A
 QVAL PLAN AA 3/81 FE 4/81

Equipment No B65 OKONITE
 Description 1/C STRANDED #6 600V POWER & CONTROL
 System ELECTRICAL DISTRIBUTION
 Man/Model OKONITE OKONITE INSULATION OKOLON JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBDC-1 in area 1.10B assumed worst case RAD-6.2X10E5
 Qual Envir TEST CURVE #35 RAD-2X10E8
 Aging THERMAL-504 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document OKONITE RPT NGRN-1
 QVAL STATUS DQR-A
 QVAL PLAN AA 3/81 FE 4/81

Equipment No C118
 Description HYDROGEN ANALYZER A M239
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model DELPHI B1B S#259
 Safety Function 11 POST LOCA MONITORING NOT REQUIRED FOR PBDC
 Plant Location 1.12
 Operating Time Req/Avail R-LOCA-30 day NR-PBDC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - NOT REQUIRED RAD-NOT REQUIRED
 Aging outstanding item
 Notes NEW INSTRUMENTS TO BE INSTALLED AS PART OF TMI CAT. B
 QVAL STATUS DQR-A
 QVAL PLAN ER 10/81 EXISTING EQUIPMENT SCHEDULED FOR REPLACEMENT WITH TMI CAT. B H2/O2 ANALYZERS (C172 & C173)

Equipment No C119
 Description HYDROGEN ANALYZER B M239
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model DELPHI B1B S#260
 Safety Function 11 POST LOCA MONITORING NOT REQUIRED FOR PBDC
 Plant Location 1.11
 Operating Time Req/Avail R-LOCA-30 day NR-PBDC

DBE Env Req (F/#/%) - NONE not required for pbc RAD - NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - NOT REQUIRED RAD - NOT REQUIRED
 Aging outstanding item
 Notes NEW INSTRUMENTS TO BE INSTALLED AS PART OF TMI CAT. B

QUAL STATUS DOR-A

QUAL PLAN ER 10/81 EXISTING EQUIPMENT SCHEDULED FOR REPLACEMENT WITH TMI CAT. B H2/O2 ANALYZERS (C172 & C173)

Equipment No C12 KERITE
 Description 12/C STRANDED #12 600V POWER & CONTROL
 System ELECTRICAL DISTRIBUTION
 Man/Model KERITE ER INSULATION ER OVERALL JACKET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBOC-1 in area 1 10B assumed worst case RAD-6 2X10E5
 Qual Envir TEST CURVE #3 RAD-2X10E8
 Aging THERMAL-100 hrs 150C
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document KERITE LTR TO EDISON 7/21/80 AND ATTACHED CERTIFIED TEST REPORT SUMMARIES
 QUAL STATUS DOR-A
 QUAL PLAN AA 3/81 FE 4/81

Equipment No C129A
 Description INSTRUMENT RACK
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED I
 N CONDUIT OR NEMA JB
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 14
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBOC-2 RAD - NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-5X10E6
 Aging THERM - NOT SIGNIFICANT
 Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt
 Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 4/81 AA 4/81 HT 9/81 FE 9/81

Equipment No C129B
 Description INSTRUMENT RACK
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED I
 N CONDUIT OR NEMA JB
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1 14
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBOC-2 RAD - NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-5X10E6
 Aging THERM - NOT SIGNIFICANT
 Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt
 Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 4/81 AA 4/81 HT 9/81 FE 9/81

Equipment No C152
 Description SHUTDOWN PANEL

System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS SWITCHES-ELECTROSWITCH 24&40 LIGHTS-GE ET-16 TERMINAL BLOCKS-GE EB-25
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.9
 Operating Time Req/Avail R-30day
 DBE Env Req (F/#/%) -PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #40 (TB) (F/#/%) -IN EXCESS OF REQUIRED (SW & LT) RAD-5X10E6 (TB) RAD-1X10E6 (LT)
 RAD-1X10E4 (SW)
 Aging THERMAL-120hrs BOC (SW) MECH-10000 CYCLES (SW) THERM-NOT SIGNIFICANT (LT & TB)
 Method of Qualification TEST/SEQUENTIAL (TB) TEST SEPARATE (SW % RAD AGING) GENERIC EVALUATION/UTILITY (LT F/#/%) RAD A
 QING) GENERIC EVALUATION/UTILITY (SW F/#)
 Supporting Document EPRI/BWR GSR-010-A-01 (TB) ELECTROSWITCH ENG TEST RPT 2392-14 (SW % RAD AGING) P&CS MEMO 80-18
 & (SW & LT F/#/%) P&CS MEMO 80-202 (LT & TB AGING) P&CS MEMO 80-23B (LT RAD)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN RA 2/81 HT 2/81 AA 2/81 FE 3/81

Equipment No C153
 Description SHUTDOWN PANEL
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS SWITCHES-ELECTROSWITCH 24&40 LIGHTS-GE ET-16 TERMINAL BLOCKS-GE EB-25
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.10
 Operating Time Req/Avail R-30day
 DBE Env Req (F/#/%) -PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #40 (TB) (F/#/%) -IN EXCESS OF REQUIRED (SW & LT) RAD-5X10E6 (TB) RAD-1X10E6 (LT)
 RAD-1X10E4 (SW)
 Aging THERMAL-120hrs BOC (SW) MECH-10000 CYCLES (SW) THERM-NOT SIGNIFICANT (LT & TB)
 Method of Qualification TEST/SEQUENTIAL (TB) TEST SEPARATE (SW % RAD AGING) GENERIC EVALUATION/UTILITY (LT F/#/%) RAD A
 QING) GENERIC EVALUATION/UTILITY (SW F/#)
 Supporting Document EPRI/BWR GSR-010-A-01 (TB) ELECTROSWITCH ENG TEST RPT 2392-14 (SW % RAD AGING) P&CS MEMO 80-18
 & (SW & LT F/#/%) P&CS MEMO 80-202 (LT & TB AGING) P&CS MEMO 80-23B (LT RAD)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN RA 2/81 HT 2/81 AA 2/81 FE 3/81

Equipment No C154
 Description SHUTDOWN PANEL
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS SWITCHES-ELECTROSWITCH 24&40 LIGHTS-GE ET-16 TERMINAL BLOCKS-GE EB-25
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.10
 Operating Time Req/Avail R-30day
 DBE Env Req (F/#/%) -PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #40 (TB) (F/#/%) -IN EXCESS OF REQUIRED (SW & LT) RAD-5X10E6 (TB) RAD-1X10E6 (LT)
 RAD-1X10E4 (SW)
 Aging THERMAL-120hrs BOC (SW) MECH-10000 CYCLES (SW) THERM-NOT SIGNIFICANT (LT & TB)
 Method of Qualification TEST/SEQUENTIAL (TB) TEST SEPARATE (SW % RAD AGING) GENERIC EVALUATION/UTILITY (LT F/#/%) RAD A
 QING) GENERIC EVALUATION/UTILITY (SW F/#)
 Supporting Document EPRI/BWR GSR-010-A-01 (TB) ELECTROSWITCH ENG TEST RPT 2392-14 (SW % RAD AGING) P&CS MEMO 80-18
 & (SW & LT F/#/%) P&CS MEMO 80-202 (LT & TB AGING) P&CS MEMO 80-23B (LT RAD)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN RA 2/81 HT 2/81 AA 2/81 FE 3/81

Equipment No C155
 Description SHUTDOWN PANEL
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS SWITCHES-ELECTROSWITCH 24&40 LIGHTS-GE ET-16 TERMINAL BLOCKS-GE EB-25
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.10

Operating Time Req/Avail R-30day
 DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #40 (TB) (F/#/%) - IN EXCESS OF REQUIRED (SW & LT) RAD-5X10E6 (TB) RAD-1X10E6 (LT)
 RAD-1X10E4 (SW)
 Aging THERMAL-120hrs BOC (SW) MECH-10000 CYCLES (SW) THERM-NOT SIGNIFICANT (LT & TB)
 Method of Qualification TEST/SEQUENTIAL (TB) TEST SEPARATE (SW % RAD AGING) GENERIC EVALUATION/UTILITY (LT F/#/%) RAD A
 GING) GENERIC EVALUATION/UTILITY (SW F/#)
 Supporting Document EPRI/BWR GSR-010-A-01 (TB) ELECTROSWITCH ENG TEST RPT 2392-14 (SW % RAD AGING) P&CS MEMO 80-18
 & (SW & LT F/#/%) P&CS MEMO 80-202 (LT & TB AGING) P&CS MEMO 80-238 (LT RAD)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN RA 2/81 HT 2/81 AA 2/81 FE 3/81

Equipment No C156
 Description SHUTDOWN PANEL
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS SWITCHES-ELECTROSWITCH 24&40 LIGHTS-GE ET-16 TERMINAL BLOCKS-GE EB-25
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.9
 Operating Time Req/Avail R-30day
 DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #40 (TB) (F/#/%) - IN EXCESS OF REQUIRED (SW & LT) RAD-5X10E6 (TB) RAD-1X10E6 (LT)
 RAD-1X10E4 (SW)
 Aging THERMAL-120hrs BOC (SW) MECH-10000 CYCLES (SW) THERM-NOT SIGNIFICANT (LT & TB)
 Method of Qualification TEST/SEQUENTIAL (TB) TEST SEPARATE (SW % RAD AGING) GENERIC EVALUATION/UTILITY (LT F/#/%) RAD A
 GING) GENERIC EVALUATION/UTILITY (SW F/#)
 Supporting Document EPRI/BWR GSR-010-A-01 (TB) ELECTROSWITCH ENG TEST RPT 2392-14 (SW % RAD AGING) P&CS MEMO 80-18
 & (SW & LT F/#/%) P&CS MEMO 80-202 (LT & TB AGING) P&CS MEMO 80-238 (LT RAD)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN RA 2/81 HT 2/81 AA 2/81 FE 3/81

Equipment No C157
 Description SHUTDOWN PANEL
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS SWITCHES-ELECTROSWITCH 24&40 LIGHTS-GE ET-16 TERMINAL BLOCKS-GE EB-25
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.10
 Operating Time Req/Avail R-30day
 DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #40 (TB) (F/#/%) - IN EXCESS OF REQUIRED (SW & LT) RAD-5X10E6 (TB) RAD-1X10E6 (LT)
 RAD-1X10E4 (SW)
 Aging THERMAL-120hrs BOC (SW) MECH-10000 CYCLES (SW) THERM-NOT SIGNIFICANT (LT & TB)
 Method of Qualification TEST/SEQUENTIAL (TB) TEST SEPARATE (SW % RAD AGING) GENERIC EVALUATION/UTILITY (LT F/#/%) RAD A
 GING) GENERIC EVALUATION/UTILITY (SW F/#)
 Supporting Document EPRI/BWR GSR-010-A-01 (TB) ELECTROSWITCH ENG TEST RPT 2392-14 (SW % RAD AGING) P&CS MEMO 80-18
 & (SW & LT F/#/%) P&CS MEMO 80-202 (LT & TB AGING) P&CS MEMO 80-238 (LT RAD)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN RA 2/81 HT 2/81 AA 2/81 FE 3/81

Equipment No C158
 Description SHUTDOWN PANEL
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS SWITCHES-ELECTROSWITCH 24&40 LIGHTS-GE ET-16 TERMINAL BLOCKS-GE EB-25
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.10
 Operating Time Req/Avail R-30day
 DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #40 (TB) (F/#/%) - IN EXCESS OF REQUIRED (SW & LT) RAD-5X10E6 (TB) RAD-1X10E6 (LT)
 RAD-1X10E4 (SW)

Aging THERMAL-120hrs BOC (SW) MECH-10000 CYCLES (SW) THERM-NOT SIGNIFICANT (LT & TB)
 Method of Qualification TEST/SEQUENTIAL (TB) TEST SEPARATE (SW % RAD AGING) GENERIC EVALUATION/UTILITY (LT F/#/% RAD A
 GING) GENERIC EVALUATION/UTILITY (SW F/#)
 Supporting Document EPRI/BWR GSR-010-A-01 (TB) ELECTROSWITCH ENG TEST RPT 2392-14 (SW % RAD AGING) P&CS MEMO 80-18
 6 (SW & LT F/#/%) P&CS MEMO 80-202 (LT & TB AGING) P&CS MEMO 80-238 (LT RAD)

QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN RA 2/81 HT 2/81 AA 2/81 FE 3/81

Equipment No C159
 Description SHUTDOWN PANEL
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS SWITCHES-ELECTROSWITCH 24&40 LIGHTS-GE ET-16 TERMINAL BLOCKS-GE EB-25
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.10
 Operating Time Req/Avail R-30day
 DBE Env Req (F/#/%) -PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #40 (TB) (F/#/%) -IN EXCESS OF REQUIRED (SW & LT) RAD-5X10E6 (TB) RAD-1X10E6 (LT)

Aging THERMAL-120hrs BOC (SW) MECH-10000 CYCLES (SW) THERM-NOT SIGNIFICANT (LT & TB)
 Method of Qualification TEST/SEQUENTIAL (TB) TEST SEPARATE (SW % RAD AGING) GENERIC EVALUATION/UTILITY (LT F/#/% RAD A
 GING) GENERIC EVALUATION/UTILITY (SW F/#)
 Supporting Document EPRI/BWR GSR-010-A-01 (TB) ELECTROSWITCH ENG TEST RPT 2392-14 (SW % RAD AGING) P&CS MEMO 80-18
 6 (SW & LT F/#/%) P&CS MEMO 80-202 (LT & TB AGING) P&CS MEMO 80-238 (LT RAD)

QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN RA 2/81 HT 2/81 AA 2/81 FE 3/81

Equipment No C163
 Description SHUTDOWN PANEL
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS SWITCHES-ELECTROSWITCH 24&40 LIGHTS-GE ET-16 TERMINAL BLOCKS-GE EB-25
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.9
 Operating Time Req/Avail R-30day
 DBE Env Req (F/#/%) -PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #40 (TB) (F/#/%) -IN EXCESS OF REQUIRED (SW & LT) RAD-5X10E6 (TB) RAD-1X10E6 (LT)

Aging THERMAL-120hrs BOC (SW) MECH-10000 CYCLES (SW) THERM-NOT SIGNIFICANT (LT & TB)
 Method of Qualification TEST/SEQUENTIAL (TB) TEST SEPARATE (SW % RAD AGING) GENERIC EVALUATION/UTILITY (LT F/#/% RAD A
 GING) GENERIC EVALUATION/UTILITY (SW F/#)
 Supporting Document EPRI/BWR GSR-010-A-01 (TB) ELECTROSWITCH ENG TEST RPT 2392-14 (SW % RAD AGING) P&CS MEMO 80-18
 6 (SW & LT F/#/%) P&CS MEMO 80-202 (LT & TB AGING) P&CS MEMO 80-238 (LT RAD)

QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN RA 2/81 HT 2/81 AA 2/81 FE 3/81

Equipment No C172
 Description H2O2 ANALYZER
 System SAFETY RELATED DISPLAY H2/O2 ANALYZER
 Safety Function 11 CONTAINMENT ATMOSPHERE
 Plant Location 1.14
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) -NONE not required for pboc RAD-none not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) -NOT REQUIRED RAD-NOT REQUIRED
 Notes TMI CATEGORY B

QUAL STATUS NYI
 QUAL PLAN FT 1/81

Equipment No C173
 Description H2O2 ANALYZER

System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Safety Function 11 POST LOCA MONITORING NOT REQUIRED FOR PBOC
 Plant Location 1.14
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboe RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - NOT REQUIRED RAD-NOT REQUIRED
 Notes TMI CATEGORY B
 QUAL STATUS NYI
 QUAL PLAN FT 1/81

Equipment No C2201
 Description INSTRUMENT RACK
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED I
 N CONDUIT OR NEMA JB
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.1
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-5X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt
 Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 4/81 AA 4/81 HT 9/81 FE 9/81

Equipment No C2205
 Description INSTRUMENT RACK
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED I
 N CONDUIT OR NEMA JB
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.11
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-5X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt
 Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 4/81 AA 4/81 HT 9/81 FE 9/81

Equipment No C2206
 Description INSTRUMENT RACK
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED I
 N CONDUIT OR NEMA JB
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.12
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-5X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt
 Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)

QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 4/81 AA 4/81 HT 9/81 FE 9/81

Equipment No C2207
 Description INSTRUMENT RACK
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED I
 N CONDUIT OR NEMA JB
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.8
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%)--PBOC-5 RAD-6 2X10E5
 Qual Envir (F/#/%)--IN EXCESS OF REQUIRED RAD-5X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt
 Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)

QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 4/81 AA 4/81 HT 9/81 FE 9/81

Equipment No C2250
 Description INSTRUMENT RACK
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED I
 N CONDUIT OR NEMA JB
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.4
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%)--NONE not required during hostile pboc RAD-6 2X10E5
 Qual Envir (F/#/%)--NOT REQUIRED RAD-5X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt
 Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)

QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 4/81 AA 4/81 HT 9/81 FE 9/81

Equipment No C2251
 Description INSTRUMENT RACK
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED I
 N CONDUIT OR NEMA JB
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.9
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%)--PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)--IN EXCESS OF REQUIRED RAD-5X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt
 Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)

QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 4/81 AA 4/81 HT 9/81 FE 9/81

Equipment No C2256
 Description INSTRUMENT RACK
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED I

N CONDUIT OR NEMA JB

Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.7
 Operating Time Req/Avail R-1 min
 DBE Env Req (F/#/%)—PBOC-6 RAD-6.2X10E5
 Qual Envir (F/#/%)—IN EXCESS OF REQUIRED RAD-5X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt

Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 5/81 AA 5/81 HT 9/81 FE 9/81

Equipment No C2257A
 Description INSTRUMENT RACK
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED I

N CONDUIT OR NEMA JB

Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.2
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%)—PBOC-5 RAD-6.2X10E5
 Qual Envir (F/#/%)—IN EXCESS OF REQUIRED RAD-5X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt

Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 5/81 AA 5/81 HT 9/81 FE 9/81

Equipment No C2257B
 Description INSTRUMENT RACK
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED I

N CONDUIT OR NEMA JB

Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.7
 Operating Time Req/Avail R-1 min
 DBE Env Req (F/#/%)—PBOC-6 RAD-6.2X10E5
 Qual Envir (F/#/%)—IN EXCESS OF REQUIRED RAD-5X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt

Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 5/81 AA 5/81 HT 9/81 FE 9/81

Equipment No C2260
 Description INSTRUMENT RACK
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED I

N CONDUIT OR NEMA JB

Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.2
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%)—PBOC-5 RAD-6.2X10E5
 Qual Envir (F/#/%)—IN EXCESS OF REQUIRED RAD-5X10E6
 Aging THERM-NOT SIGNIFICANT

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) OUTSIDE CONTAINMENT EQUIPMENT EVALUATION LIST PAGE 14

Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt
 Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 5/81 AA 5/81 HT 9/81 FE 9/81

Equipment No C2303
 Description ENCLOSURES & TERM BLOCKS FOR HPCI TURB CNTRLS
 System HPCI
 Man/Model VARIOUS GE/CR151 (TERM BK) PVC 600V CABLE POLYETHYLENE/PVC INSTRUMENT CABLE ALL ENCLOSED 1
 N CONDUIT OR NEMA JB

Safety Function 4 HPCI SUPPORT
 Plant Location 1.3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%)-NONE not required during hostile phoc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%)-NOT REQUIRED RAD-5X10E6
 Aging THERM-NOT SIGNIFICANT

Method of Qualification TEST F/#/% (TERM BK) EVALUATION/UTILITY for remainder of parameters based on other TEST/SEPARATE
 /SIMILAR eqpt
 Supporting Document P&CS MEMO TO FILE #80-12 P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 5/81 AA 5/81 HT 9/81 FE 9/81

Equipment No C513AH
 Description SCRAM SOL FUSE PANEL
 System RPS
 Man/Model GE 238X278Q1
 Safety Function 1 SCRAM POWER PER GE FAILSAFE DESIGN CONSIDERED NONESSENTIAL BY GE
 Plant Location 1.9 1.10

Operating Time Req/Avail R-LOCA-1 min
 DBE Env Req (F/#/%)-PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)-IN EXCESS OF REQUIRED RAD-NOT REQUIRED
 Aging THERM-NOT SIGNIFICANT

Method of Qualification EVALUATION/UTILITY (F/#/%)
 Supporting Document P&CS MEMO #80-125 (F/#/%) P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 5/81 AA 5/81 HT 9/81 FE 9/81

Equipment No C61A
 Description REACTOR BLDG H&V CONTROL PANEL
 System HVAC ECCS UNIT COOLERS
 Man/Model VARIOUS VULKENE CABLE AGASTAT TIME DELAY RELAYS 2412AN JOHNSON SERVICE COMPANY RELAYS KZ400
 Q-B GE CONTROL SWITCH CR2940

Safety Function 4C ECCS UNIT COOLERS
 Plant Location 1.9
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%)-PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir IN EXCESS OF REQUIRED (F/#/%) RAD-NOT REQUIRED
 Aging THERM-NOT SIGNIFICANT

Method of Qualification EVALUATION/UTILITY (F/#/%)
 Supporting Document P&CS MEMO #80-125 (F/#/%) P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN II 1/81 RA 5/81 AA 5/81 HT 9/81 FE 9/81

Equipment No C61B
 Description REACTOR BUILDING H&V CONTROL PANEL
 System HVAC ECCS UNIT COOLERS
 Man/Model VARIOUS VULKENE CABLE AGASTAT TIME DELAY RELAYS 2412AN JOHNSON SERVICE COMPANY RELAYS KZ4000

	-8	GE CONTROL SWITCH CR2940
Safety Function	4C	ECCS UNIT COOLERS
Plant Location	1.9	
Operating Time Req/Avail	R-30 day	
DBE Env Req	(F/#/%) - PBOC-1	RAD-NONE not exposed to post-loca recirculation rad
Qual Envir	IN EXCESS OF REQUIRED (F/#/%)	RAD-NOT REQUIRED
Aging	THERM-NOT SIGNIFICANT	
Method of Qualification	EVALUATION/UTILITY (F/#/%)	
Supporting Document	P&CS MEMO 80-125 (F/#/%)	P&CS MEMO 80-257 (AGING) P&CS MEMO 80-186 (F/#/%)
QUAL STATUS	JCO FINAL	EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
QUAL PLAN	II 1/81	RA 5/81 AA 5/81 HT 9/81 FE 9/81
Equipment No	C68	
Description	STANDBY GAS TREATMENT FILTER UNIT A PANEL A PANEL A1	
System	STANDBY GAS TREATMENT	
Man/Model	FARR CO. (FILTER MFR)	HONEYWELL/R7088C (RH CONTROLLER) GE/9T55Y46-G7 (XFMR) ALLEN BRADLEY/70
	2L-TOD93 (CONTACTOR)	BRONCO/BRONCO 66 (WIRE)
Safety Function	13	STANDBY GAS TREATMENT
Plant Location	1.23	
Operating Time Req/Avail	R-LOCA-30 day	NR-PBOC
DBE Env Req	(F/#/%) - NONE	not required for pboc RAD-3.2X10E4
Qual Envir	(F/#/%) - NOT REQUIRED	RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT	
Supporting Document	P&CS MEMO 80-238 (RAD)	P&CS MEMO 80-257 (AGING)
QUAL STATUS	JCO FINAL	EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
QUAL PLAN	ER 11/81	
Equipment No	C68A	
Description	STANDBY GAS TREATMENT FILTER UNIT A PANEL A PANEL A1	
System	STANDBY GAS TREATMENT	
Man/Model	FARR CO. (FILTER MFR)	ALLEN BRADLEY/700DC-N300-21 (RELAY) ALLEN BRADLEY/800T-A2A (PUSHBUTTON)
	BRONCO/BRONCO 66 (WIRE)	
Safety Function	13	STANDBY GAS TREATMENT
Plant Location	1.23	
Operating Time Req/Avail	R-LOCA-30 day	NR-PBOC
DBE Env Req	(F/#/%) - NONE	not required for pboc RAD-2.1X10E8
Qual Envir	(F/#/%) - NOT REQUIRED	outstanding item (RAD)
Aging	outstanding item	
QUAL STATUS	NYQ	
QUAL PLAN	ER 11/81	
Equipment No	C68B	
Description	STANDBY GAS TREATMENT FILTER UNIT A PANEL A PANEL A2	
System	STANDBY GAS TREATMENT	
Man/Model	FARR CO. (FILTER MFR)	ALLEN BRADLEY/700DC-N300-21 (RELAY) ALLEN BRADLEY/800T-A2A (PUSHBUTTON)
	BRONCO/BRONCO 66 (WIRE)	
Safety Function	13	STANDBY GAS TREATMENT
Plant Location	1.23	
Operating Time Req/Avail	R-LOCA-30 day	NR-PBOC
DBE Env Req	(F/#/%) - NONE	not required for pboc RAD-2.1X10E8
Qual Envir	(F/#/%) - NOT REQUIRED	outstanding item (RAD)
Aging	outstanding item	
QUAL STATUS	NYQ	
QUAL PLAN	ER 11/81	
Equipment No	C69	
Description	STANDBY GAS TREATMENT FILTER UNIT B PANEL B	
System	STANDBY GAS TREATMENT	

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) OUTSIDE CONTAINMENT EQUIPMENT EVALUATION LIST PAGE 16

Man/Model FARR CO. (FILTER MFR) HONEYWELL/R7088C (RH CONTROLLER) GE/9T55Y46-G7 (XFMR) ALLEN BRADLEY/70
 2L-TDD93 (CONTACTOR) BRONCO/BRONCO 66 (WIRE)
 Safety Function 13 STANDBY GAS TREATMENT
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-3.2X10E4
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT
 Supporting Document P&CS MEMO 80-238 (RAD) P&CS MEMO 80-257 (AGING)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN ER 11/81

Equipment No C69A
 Description STANDBY GAS TREATMENT FILTER UNIT B PANEL B1
 System STANDBY GAS TREATMENT
 Man/Model FARR CO. (FILTER MFR) ALLEN BRADLEY/700DC-N300-21 (RELAY) ALLEN BRADLEY/BOOT-A2A (PUSHBUTTON)
 BRONCO/BRONCO 66 (WIRE)
 Safety Function 13 STANDBY GAS TREATMENT
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-2.1X10E8
 Qual Envir (F/#/%) - NOT REQUIRED outstanding item (RAD)
 Aging outstanding item
 QUAL STATUS NYQ
 QUAL PLAN 11/81

Equipment No C69B
 Description STANDBY GAS TREATMENT FILTER UNIT B PANEL B2
 System STANDBY GAS TREATMENT
 Man/Model FARR CO. (FILTER MFR) ALLEN BRADLEY/700DC-N300-21 (RELAY) ALLEN BRADLEY/BOOT-A2A (PUSHBUTTON)
 BRONCO/BRONCO 66 (WIRE)
 Safety Function 13 STANDBY GAS TREATMENT
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-2.1X10E8
 Qual Envir (F/#/%) - NOT REQUIRED outstanding item (RAD)
 Aging outstanding item
 QUAL STATUS NYQ
 QUAL PLAN ER 11/81

Equipment No CV2301-32
 Description CONTROL VALVE M244
 System HPCI
 Man/Model ATKOMATIC 237826
 Safety Function 4 HPCI TURB. DRN. TO GLAND SEAL COND. NOT ESSENTIAL TO HPCI
 Plant Location 1.3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-2X10E6
 Aging outstanding item
 Method of Qualification EVALUATION/BPCo
 Supporting Document BPCo SCEG BPCo CEQE
 QUAL STATUS DGR-A
 QUAL PLAN AA 4/81 FE 5/81

Equipment No CV9068A
 Description SOLENOID VALVE M243
 System HPCI

Man/Model ATKOMATIC 247214
 Safety Function 4 HPCI TURB EXHAUST NOT ESSENTIAL TO HPCI
 Plant Location 1.3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-2X10E6
 Aging outstanding item
 Method of Qualification EVALUATION/BPCo
 Supporting Document BPCo SCEQ BPCo CEQE
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/81 FE 5/81

Equipment No CV906BB
 Description SOLENOID VALVE M243
 System HPCI
 Man/Model ATKOMATIC 247214
 Safety Function 4 HPCI TURB EXHAUST NOT ESSENTIAL TO HPCI
 Plant Location 1.3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-2X10E6
 Aging outstanding item
 Method of Qualification EVALUATION/BPCo
 Supporting Document BPCo SCEQ BPCo CEQE
 QUAL STATUS DOR-A
 QUAL PLAN AA 4/81 FE 5/81

Equipment No D7
 Description DC MOTOR CONTROL CENTER E13
 System ELECTRICAL DISTRIBUTION
 Man/Model CUTLER HAMMER CLASS 1 TYPE B #6AF685046
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.10
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification EVALUATION/BPCo based on (F/#/%) TEST/SIMILAR eqpt GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document FIRL TEST RPT F-C3781-2 BPCo SCEQ BPCo CEQE P&CS MEMO 80-238 (RAD) P&CS MEMO 80-257 (AGING)
) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCD FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING AND GENERIC STUDIES
 QUAL PLAN II 1/81 RA 5/81 AA 5/81 HT 9/81 FE 9/81

Equipment No D8
 Description DC MOTOR CONTROL CENTER E13
 System ELECTRICAL DISTRIBUTION
 Man/Model CUTLER HAMMER CLASS 1 TYPE B #6AF685046
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.10
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification EVALUATION/BPCo based on (F/#/%) TEST/SIMILAR eqpt GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document FIRL TEST RPT F-C3781-2 BPCo SCEQ BPCo CEQE P&CS MEMO 80-238 (RAD) P&CS MEMO 80-257 (AGING)
) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCD FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING AND GENERIC STUDIES
 JAL /81 5/81 AA 5/81 HT 9/81 FE 9/81

Equipment No D9
Description DC MOTOR CONTROL CENTER E13
System ELECTRICAL DISTRIBUTION
Man/Model CUTLER HAMMER CLASS 1 TYPE B #6AF685046
Safety Function 12 ELECTRICAL DISTRIBUTION
Plant Location 1.10
Operating Time Req/Avail R-30 day ASSUMED
DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-1X10E6
Aging THERM-NOT SIGNIFICANT
Method of Qualification EVALUATION/BPCo based on (F/#/%) TEST/SIMILAR eqpt GENERIC EVALUATION/UTILITY (RAD)
Supporting Document FIRL TEST RPT F-C3781-2 BPCo SCEG BPCo CECE P&CS MEMO 80-238 (RAD) P&CS MEMO 80-257 (AGING)
) P&CS MEMO 80-186 (F/#/%)
QUAL STATUS JCD FINAL EVALUATION TO DETERMINE APPLICABILITY OF TESTING AND GENERIC STUDIES
QUAL PLAN II 1/81 RA 5/81 AA 5/81 HT 9/81 FE 9/81

Equipment No DPIS1001-79A
Description DIFFERENTIAL PRESSURE SWITCH M241
System RHR
Man/Model BARTON 289A 289A3230
Safety Function 4A/4B LOW FLOW TRIP SIGNAL TO MD1001-18A
Plant Location 1.1 LOCAL MNTD
Operating Time Req/Avail R(A)-30 days
DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not required during loca
Qual Envir TEST CURVE #24 RAD-1X10E6
Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document GE RPT 145C3008 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
QUAL STATUS DOR

Equipment No DPIS1001-79B
Description DIFFERENTIAL PRESSURE SWITCH M241
System RHR
Man/Model BARTON 289A 289A3229
Safety Function 4A/4B LOW FLOW TRIP FOR MD1001-18B
Plant Location 1.2 LOCAL MNTD
Operating Time Req/Avail R(A)-30 days
DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not required during loca
Qual Envir TEST CURVE #24 RAD-1X10E6
Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document GE RPT 145C3008 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
QUAL STATUS DOR

Equipment No DPIS1243
Description DIFFERENTIAL PRESSURE INDICATING SWITCH M247
System RCTR WTR CLEAN-UP CNTM ISOLATION
Man/Model BARTON 288A 288A-11014
Safety Function 2 ISOLATION RECIRC. TO CLEANUP SYSTEM PBOC TERM
Plant Location 1.10 LOCAL MNTD
Operating Time Req/Avail NR-LOCA R-PBOC-1 min
DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not required during loca
Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/

QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN HT 6/81 FE 7/81

Equipment No DPIS1244
 Description DIFFERENTIAL PRESSURE INDICATING SWITCH M247
 System RCTR WTR CLEAN-UP CNTM ISOLATION
 Man/Model BARTON 288A 288A-11015
 Safety Function 2 ISOLATION RECIRC. TO CLEANUP SYSTEM PBOC TERM
 Plant Location 1 10 LOCAL MNTD
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) -PBOC-1 RAD-NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/

*/%
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN HT 6/81 FE 7/81

Equipment No DPIS1360-1A
 Description DIFF PRESSURE IND SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model BARTON 288 1360-1A
 Safety Function 2 AUTO ISO. SIGNAL PBOC TERM
 Plant Location 1 7 C2257B
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) -PBOC-6 RAD-NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/

*/%
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN HT 6/81 FE 7/81

Equipment No DPIS1360-1B
 Description DIFF PRESSURE IND SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model BARTON 288 1360-1B
 Safety Function 2 AUTO ISO. SIGNAL PBOC TERM
 Plant Location 1 7 C2257B
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) -PBOC-6 RAD-NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/

*/%
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN HT 6/81 FE 7/81

Equipment No DPIS1459A
 Description DIFFERENTIAL PRESSURE SWITCH M242
 System CORE SPRAY SAFETY RELATED DISPLAY
 Man/Model BARTON 288A 288A5507
 Safety Function 4/11 RX VESSEL CORE SPRAY LINE RUPTURE
 Plant Location 1 B LOCAL MNTD
 Operating Time Req/Avail NR-LOCA NR-PBOC

DBE Env Req (F/#/%) - NONE not required for pboc RAD - NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS1459B
 Description DIFFERENTIAL PRESSURE SWITCH M242
 System CORE SPRAY SAFETY RELATED DISPLAY
 Man/Model BARTON 288A 288A5506
 Safety Function 4/11 RX VESSEL CORE SPRAY LINE RUPTURE
 Plant Location 1 B LOCAL MNTD
 Operating Time Req/Avail NR-LOCA NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD - NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS2301-2352
 Description DIFF PRESSURE IND SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model BARTON 288
 Safety Function 4/2 HPCI ISO. PBOC TERM
 Plant Location 1.2 C2257A
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-1 min
 DBE Env Req (F/#/%) - PBOC-5 RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/
 #/%)
 QUAL STATUS JCC FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN HT 6/81 FE 7/81

Equipment No DPIS2301-2353
 Description DIFF PRESSURE IND SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model BARTON 288
 Safety Function 4/2 HPCI ISO. PBOC TERM
 Plant Location 1.2 C2257A
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-1 min
 DBE Env Req (F/#/%) - PBOC-5 RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/
 #/%)
 QUAL STATUS JCC FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN HT 6/81 FE 7/81

Equipment No DPIS261-12A
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System REACTOR RECIRCULATION SYSTEM RHR
 Man/Model BARTON 288 5502
 Safety Function RHR JP E FIO

Plant Location 1.7 C2251
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD - NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-12B
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System REACTOR RECIRCULATION SYSTEM RHR
 Man/Model BARTON 288 5503
 Safety Function 4A RHR LOOP SELECTION
 Plant Location 1.7 C2251
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD - NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-12C
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System REACTOR RECIRCULATION SYSTEM RHR
 Man/Model BARTON 288 5504
 Safety Function 4A RHR LOOP SELECTION
 Plant Location 1.2 LOCAL MNTD
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD - 6.2X10E5
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-12D
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System REACTOR RECIRCULATION SYSTEM RHR
 Man/Model BARTON 288 550
 Safety Function 4A RHR LOOP SELECTION
 Plant Location 1.8 LOCAL MNTD
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD - 6.2X10E5
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-2A
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System CNRM ISOLATION
 Man/Model BARTON 278 278-3347
 Safety Function 2 MN. STM. ISO. PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min

DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD - NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-2B
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 27B 27B-334B
 Safety Function 2 MN. STM. ISO. PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min

DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD - NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-2C
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 27B 27B-3349
 Safety Function 2 MN. STM. ISO. PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min

DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD - NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-2D
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 27B 27B-3350
 Safety Function 2 MN. STM. ISO. PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min

DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD - NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-2E
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 27B 27B-3351
 Safety Function 2 MN. STM. ISO. PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min

DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD - NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6

Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-2F
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 278 278-3352
 Safety Function 2 MN STM ISO PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) -NONE not required during hostile pboc RAD-NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-2G
 Description DIFFERENTIAL PRESSURE INDICATING SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 278 278-3353
 Safety Function 2 MN STM ISO PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) -NONE not required during hostile pboc RAD-NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-2H
 Description DIFFERENTIAL PRESSURE INDICATING SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 278 278-3354
 Safety Function 2 MN STM ISO PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) -NONE not required during hostile pboc RAD-NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-2J
 Description DIFFERENTIAL PRESSURE INDICATING SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 278 278-3355
 Safety Function 2 MN STM ISO PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) -NONE not required during hostile pboc RAD-NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)

Supporting Document GE RPT 145C3009 (F/#%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 GUAL STATUS DOR

Equipment No DPIS261-2K
 Description DIFFERENTIAL PRESSURE INDICATING SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 278 278-3356
 Safety Function 2 MN STM ISO PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#%)-NONE not required during hostile pboc RAD-NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 GUAL STATUS DOR

Equipment No DPIS261-2L
 Description DIFFERENTIAL PRESSURE INDICATING SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 278 278-3357
 Safety Function 2 MN STM ISO PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#%)-NONE not required during hostile pboc RAD-NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 GUAL STATUS DOR

Equipment No DPIS261-2M
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 278 278-3358
 Safety Function 2 MN STM ISO PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#%)-NONE not required during hostile pboc RAD-NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 GUAL STATUS DOR

Equipment No DPIS261-2N
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 278 278-3359
 Safety Function 2 MN STM ISO PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#%)-NONE not required during hostile pboc RAD-NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 GUAL STATUS DOR

Equipment No DPIS261-2P
 Description DIFFERENTIAL PRESSURE INDICATING SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 278 278-3360
 Safety Function 2 MN STM ISO PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD - NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-2R
 Description DIFFERENTIAL PRESSURE INDICATING SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 278 278-3361
 Safety Function 2 MN STM ISO PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD - NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-2S
 Description DIFFERENTIAL PRESSURE INDICATING SWITCH M252
 System CNTM ISOLATION
 Man/Model BARTON 278 278-3362
 Safety Function 2 MN STM ISO PBOC TERM
 Plant Location 1.7 C2256
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD - NONE not required during loca
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-36A
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System RHR
 Man/Model BARTON 288 288A5494
 Safety Function 4A RHR LOOP SELECTION
 Plant Location 1.8 C2207
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD - 6.2X10E5
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM - NOT SIGNIFICANT MECH - NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPIS261-36B

Description DIFF. PRESSURE INDICATOR SWITCH M252
 System RHR
 Man/Model BARTON 288 288A5495
 Safety Function 4A RHR LOOP SELECTION
 Plant Location 1 B C2207
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6 2X10E5
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO BQ-202 (AGING) P&CS MEMO BQ-23B (RAD)
 QUAL STATUS DGR

Equipment No DPIS261-37A
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System RHR
 Man/Model BARTON 288 288A5500
 Safety Function 4A RHR LOOP SELECTION
 Plant Location 1 B C2207
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6 2X10E5
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO BQ-202 (AGING) P&CS MEMO BQ-23B (RAD)
 QUAL STATUS DGR

Equipment No DPIS261-37B
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System RHR
 Man/Model BARTON 288 288A5501
 Safety Function 4A RHR LOOP SELECTION
 Plant Location 1 B C2207
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6 2X10E5
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO BQ-202 (AGING) P&CS MEMO BQ-23B (RAD)
 QUAL STATUS DGR

Equipment No DPIS261-38A
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System RHR
 Man/Model BARTON 288 288A5498
 Safety Function 4A RHR LOOP SELECTION
 Plant Location 1 B C2207
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6 2X10E5
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO BQ-202 (AGING) P&CS MEMO BQ-23B (RAD)
 QUAL STATUS DGR

Equipment No DPIS261-38B
 Description DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
 System RHR

Man/Model	BARTON 288 288A5499
Safety Function	4A RHR LOOP SELECTION
Plant Location	1.8 C2207
Operating Time Req/Avail	R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-6.2X10E5
Qual Envir	TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification	TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document	GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
QUAL STATUS	DOR
Equipment No	DPIS261-39A
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
System	RHR
Man/Model	BARTON 288 288A5496
Safety Function	4A RHR LOOP SELECTION
Plant Location	1.8 C2207
Operating Time Req/Avail	R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-6.2X10E5
Qual Envir	TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification	TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document	GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
QUAL STATUS	DOR
Equipment No	DPIS261-39B
Description	DIFFERENTIAL PRESSURE INDICATOR SWITCH M252
System	RHR
Man/Model	BARTON 288 288A5497
Safety Function	4A RHR LOOP SELECTION
Plant Location	1.8 C2207
Operating Time Req/Avail	R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-6.2X10E5
Qual Envir	TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification	TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document	GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
QUAL STATUS	DOR
Equipment No	DPIS5040A
Description	DIFFERENTIAL PRESSURE SWITCH M227
System	CNTM INTEGRITY CNTM ISOLATION
Man/Model	BARTON 288A 288A-6547
Safety Function	2 TORUS VACUUM BREAKER CONTROL
Plant Location	1.9 LOCAL MNTD
Operating Time Req/Avail	R-LOCA-30 day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir	TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification	TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document	GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
QUAL STATUS	DOR
Equipment No	DPIS5040B
Description	DIFFERENTIAL PRESSURE SWITCH M227
System	CNTM ISOLATION CNTM INTEGRITY
Man/Model	BARTON 288A 288A-6548
Safety Function	2 TORUS VACUUM BREAKER CONTROL

Plant Location 1.9 LOCAL MNTD
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No DPT1001-604A
 Description LEVEL TRANSMITTER
 System SAFETY RELATED DISPLAY
 Man/Model ROSEMOUNT 1152DP5E22TQ2B0PB
 Safety Function 11 SR DISPLAY TORUS LEVEL
 Plant Location TORUS AREA
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #3B RAD-1.2X10E7
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEPARATE
 Supporting Document ROSEMOUNT REPORT #117415 (F/#/%/AGING) ROSEMOUNT REPORT #10763 (RAD)
 QUAL STATUS NYI

Equipment No DPT1001-604B
 Description LEVEL TRANSMITTER
 System SAFETY RELATED DISPLAY
 Man/Model ROSEMOUNT 1152DP5E22TQ2B0PB
 Safety Function 11 TORUS LEVEL
 Plant Location TORUS AREA
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #3B RAD-1.2X10E7
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEPARATE
 Supporting Document ROSEMOUNT REPORT #117415 (F/#/%/AGING) ROSEMOUNT REPORT #10763 (RAD)
 QUAL STATUS NYI

Equipment No FS2301-2354
 Description FLOW SWITCH M243
 System HPCI
 Man/Model BARTON 289A 1664
 Safety Function 4 HPIC MIN. RECIRC. CONTROL
 Plant Location 1.4 C2250
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #24 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3008 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No FT1461A
 Description FLOW TRANSMITTER
 System CORE SPRAY SAFETY RELATED DISPLAY
 Man/Model GE 555 222005446
 Safety Function 11 CORE SPRAY FLOW
 Plant Location 1.1 C2201
 Operating Time Req/Avail R-30 day

DBE Env Req (F/#/%)—PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #30 RAD-outstanding item
 Aging outstanding item
 Method of Qualification TEST (F/%) GENERIC EVALUATION/UTILITY (AGING/#/RAD)
 Supporting Document GE RPT 145C3007 P&CS MEMO 80-186 (F/#/%)
 Notes NOT ESSENTIAL TO SYSTEM OPERATION
 QUAL STATUS JCO PURSUING RAD QUALIFICATION WITH EPRI/BWR OWNERS GROUP FINAL EVALUATION TO VERIFY APPLICABILITY OF GENE
 RIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN AA 4/81 HT 4/81 FE 4/81

Equipment No FT14618
 Description FLOW TRANSMITTER
 System CORE SPRAY SAFETY RELATED DISPLAY
 Man/Model GE 555 222005445
 Safety Function 11 CORE SPRAY FLOW
 Plant Location 1 2 C2269
 Operating Time Req/Avail R-30 day

DBE Env Req (F/#/%)—PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #30 RAD-outstanding item
 Aging outstanding item
 Method of Qualification TEST (F/%) GENERIC EVALUATION UTILITY (#/AGING/RAD)
 Supporting Document GE RPT 145C3007 P&CS MEMO 80-186 (F/#/%)
 Notes NOT ESSENTIAL TO SYSTEM OPERATION
 QUAL STATUS JCO PURSUING RAD QUALIFICATION WITH EPRI/BWR OWNERS GROUP FINAL EVALUATION TO VERIFY APPLICABILITY OF GENE
 RIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN AA 4/81 HT 4/81 FE 4/81

Equipment No FT2358
 Description FLOW TRANSMITTER M243
 System HPCI SAFETY RELATED DISPLAY
 Man/Model GE 555 2220-05447
 Safety Function 4/11 HPCI MIN. RECIRC. CONTROL
 Plant Location 1 4 C2250
 Operating Time Req/Avail R-5 hr

DBE Env Req (F/#/%)—NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #30 RAD-outstanding item
 Aging outstanding item
 Method of Qualification TEST (F/%) GENERIC EVALUATION/UTILITY (#/AGING/RAD)
 Supporting Document GE RPT 145C3007 P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO PURSUING RAD QUALIFICATION WITH EPRI/BWR OWNERS GROUP FINAL EVALUATION TO VERIFY APPLICABILITY OF GENE
 RIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN AA 4/81 HT 4/81 FE 4/81

Equipment No HPCI TURB CONTROL
 Description EGM CONTROL BOX M244
 System HPCI
 Man/Model WOODWARD 8270-811
 Safety Function 4 HPCI SUPPORT
 Plant Location 1.3 C2303
 Operating Time Req/Avail R-5 hr

DBE Env Req (F/#/%)—NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE 29b RAD-5X10E3
 Aging outstanding item
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document TERRY TEST SPEC E/L20397, REV 4 TERRY LTR TO BECo 11/29/79
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF TESTING TO INSTALLED COMPONENTS
 QUAL PLAN AA 6/81 RA 6/81 FE 6/81

Equipment No HPCI TURB CONTROL 1
 Description EGR ACTUATOR ASSEMBLY M244
 System HPCI
 Man/Model WOODWARD 8250-133
 Safety Function 4 HPCI SUPPORT
 Plant Location 1.3 C2303
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE 29a RAD-5X10E3
 Aging outstanding item
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document TERRY TEST SPEC E/L20397, REV 4 TERRY LTR TO BECo 11/29/79
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF TESTING TO INSTALLED COMPONENTS
 QUAL PLAN AA 6/81 RA 6/81 FE 8/81

Equipment No HPCI TURB CONTROL 2
 Description DROPPING RESISTOR ASSEMBLY M244
 System HPCI
 Man/Model WOODWARD 8270-281
 Safety Function 4 HPCI SUPPORT
 Plant Location 1.3 C2303
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE 29b RAD-5X10E3
 Aging outstanding item
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document TERRY TEST SPEC E/L20397, REV 4 TERRY LTR TO BECo 11/29/79
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF TESTING TO INSTALLED COMPONENTS
 QUAL PLAN AA 6/81 RA 6/81 RE 8/81

Equipment No HPCI TURB CONTROL 3
 Description LOW SPEED POTENTIOMETER M244
 System HPCI
 Man/Model WOODWARD 1657-523
 Safety Function 4 HPCI SUPPORT
 Plant Location 1.3 C2303
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE 29b RAD-5X10E3
 Aging outstanding item
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document TERRY TEST SPEC E/L20397, REV 4 TERRY LTR TO BECo 11/29/79
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF TESTING TO INSTALLED COMPONENTS
 QUAL PLAN AA 6/81 RA 6/81 FE 8/81

Equipment No HPCI TURB CONTROL 4
 Description SPEED SIGNAL CONVERTER M244
 System HPCI
 Man/Model WOODWARD 8270-848
 Safety Function 4 HPCI SUPPORT
 Plant Location 1.3 C2303
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE 29b RAD-5X10E3
 Aging outstanding item
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document TERRY TEST SPEC E/L20397, REV 4 TERRY LTR TO BECo 11/29/79
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF TESTING TO INSTALLED COMPONENTS

QUAL PLAN AA 6/81 RA 6/81 RE 8/81

Equipment No HPCI TURB CONTROL 5
 Description MAGNETIC PICK-UP M244
 System HPCI
 Man/Model WOODWARD 1680-622
 Safety Function 4 HPCI SUPPORT
 Plant Location 1.3 TURB SKID
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%)—NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE 29a RAD-5X10E3
 Aging outstanding item
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document TERRY TEST SPEC E/L20397,REV 4 TERRY LTR TO BECo 11/29/79
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF TESTING TO INSTALLED COMPONENTS
 QUAL PLAN AA 6/81 RA 6/81 FE 8/81

Equipment No HPCI TURB CONTROL 6
 Description EGR & MAG PK-UP CABLE ASSEMBLIES M244
 System HPCI
 Man/Model WOODWARD 203911 203771 203908
 Safety Function 4 HPCI SUPPORT
 Plant Location 1.3 C2303
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%)—NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE 29a RAD-5X10E3
 Aging outstanding item
 Method of Qualification TEST/SEQUENTIAL/SIMILAR
 Supporting Document TERRY TEST SPEC E/L20397,REV 4 TERRY LTR TO BECo 11/29/79
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF TESTING TO INSTALLED COMPONENTS
 QUAL PLAN AA 6/81 RA 6/81 FE 8/81

Equipment No HPCI TURB CONTROL 7
 Description REMOTE TRIP SOV M244
 System HPCI
 Man/Model SKINNER L2-DB-5150
 Safety Function 4 HPCI SUPPORT
 Plant Location 1.3 TURB SKID
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%)—NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%)—NOT REQUIRED RAD-7X10E6
 Aging outstanding item
 Method of Qualification EVALUATION/UTILITY FAILURE-MODE ANALYSIS/UTILITY
 Supporting Document MEMO P&CS 80-13 1/7/80
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY APPLICABILITY OF TESTING TO INSTALLED COMPONENTS
 QUAL PLAN AA 6/81 RA 6/81 FE 8/81

Equipment No HPCI TURB CONTROL 8
 Description PRESSURE SWITCH AUX OIL PMP START M244
 System HPCI
 Man/Model SQUARE D CLASS 9012 ACW22
 Safety Function 4 HPCI SUPPORT
 Plant Location 1.3 TURB SKID
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%)—NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE 29a RAD-5X10E3
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)

Supporting Document TERRY TEST SPEC E/L20397;REV 4 TERRY LTR TO BECo 11/29/79 P&CS MEMO 80-202 (AGING)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF TESTING TO INSTALLED COMPONENTS
 QUAL PLAN AA 6/81 RA 6/81 FE 8/81

Equipment No HPCI TURB CONTROL 9
 Description STOP VV LIMIT SW M244
 System HPCI
 Man/Model NAMCO D1200-G-2
 Safety Function 4 HPCI SUPPORT
 Plant Location 1.3 TURB SKID
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%)—NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%)—NONE not required during hostile pboc RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF TESTING TO INSTALLED COMPONENTS
 QUAL PLAN AA 6/81 RA 6/81 FE 8/81

Equipment No LIS263-57A
 Description LEVEL INDICATING SWITCH M253
 System CNM ISOLATION RPS SEC CNM ISOLATION
 Man/Model YARWAY 4418C 26513
 Safety Function 1/2/3 SCRAM & CNM ISO/MSIV & RECIRC PP TRIP/SEC CNM ISO
 Plant Location 1.11 C2205
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%)—PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #23 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3031 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No LIS263-578
 Description LEVEL INDICATING SWITCH M253
 System CNM ISOLATION RPS SEC CNM ISOLATION
 Man/Model YARWAY 4418C 26514
 Safety Function 1/2/3 SCRAM & CNM ISO/MSIV & RECIRC PP TRIP/SEC CNM ISO
 Plant Location 1.11 C2205
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%)—PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #23 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3031 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No LIS263-58A
 Description LEVEL INDICATING SWITCH M253
 System CNM ISOLATION RPS SEC CNM ISOLATION
 Man/Model YARWAY 4418C 26515
 Safety Function 1/2/3 SCRAM & CNM ISO/MSIV & RECIRC PP TRIP/SEC CNM ISO
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%)—PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #23 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)

Supporting Document GE RPT 145C3031 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No LIS263-58B
 Description LEVEL INDICATING SWITCH M253
 System CNTM ISOLATION RPS SEC CNTM ISOLATION
 Man/Model YARWAY 4418EC 2651B
 Safety Function 1/2/3 SCRAM & CNTM ISO/MSIV & RECIRC PP TRIP/SEC CNTM ISO
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%)=PBDC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #23 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3031 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No LIS263-72A
 Description LEVEL INDICATING SWITCH M253
 System RHR CORE SPRAY ADS via CORE SPRAY HPCI via RHR RCIC via CORE SPRAY
 Man/Model YARWAY 4418C
 Safety Function 4A/4B/4/10 RHR PP START/CS & HPCI PP START/ADS INIT
 Plant Location 1.11 C2205
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%)=PBDC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #23 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3031 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No LIS263-72B
 Description LEVEL INDICATING SWITCH M253
 System RHR CORE SPRAY ADS via CORE SPRAY HPCI via RHR RCIC via CORE SPRAY
 Man/Model YARWAY 4418C
 Safety Function 4A/4B/4/10 RHR PP START/CS & HPCI PP START/ADS INIT
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%)=PBDC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #23 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3031 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No LIS263-72C
 Description LEVEL INDICATING SWITCH M253
 System RHR CORE SPRAY ADS via CORE SPRAY HPCI via RHR RCIC via CORE SPRAY
 Man/Model YARWAY 4418C 26521
 Safety Function 4A/4B/4/10 RHR PP START/CS & HPCI PP START/ADS INIT
 Plant Location 1.11 C2205
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%)=PBDC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #23 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3031 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No LIS263-72D
 Description LEVEL INDICATING SWITCH M253
 System RHR CORE SPRAY ADS via CORE SPRAY HPCI via RHR RCIC via CORE SPRAY
 Man/Model YARWAY 441BC
 Safety Function 4A/4B/4/10 RHR PP START/CS & HPCI PP START/ADS INIT
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #23 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document QE RPT 145C3031 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No LITS263-59A
 Description LEVEL TRANSMITTING SWITCH
 System SAFETY RELATED DISPLAY
 Man/Model YARWAY 441BEC
 Safety Function 11 RX VESSEL LEVEL
 Plant Location 1.11 C2205
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED (RETRANSMITTER) TEST CURVE #23 (INDICATING TRANSMITTER) RAD-NOT
 REQUIRED
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification GENERIC EVALUATION/UTILITY (F/#/%)
 Supporting Document P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN HT 6/81 FE 6/81

Equipment No LITS263-59B
 Description LEVEL TRANSMITTING SWITCH
 System SAFETY RELATED DISPLAY
 Man/Model YARWAY 441BEC
 Safety Function 11 RX VESSEL LEVEL
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED (RETRANSMITTER) TEST CURVE #23 (INDICATING TRANSMITTER) RAD-NOT
 REQUIRED
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification GENERIC EVALUATION/UTILITY (F/#/%)
 Supporting Document P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN HT 6/81 FE 6/81

Equipment No LITS263-73A
 Description LEVEL INDICATING TRANS SWITCH M253
 System RHR SAFETY RELATED DISPLAY
 Man/Model YARWAY 441BEC 26537
 Safety Function 4B/11 CNTM SPRAY PERM/MONITORING
 Plant Location 1.9 C2251
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #23 RAD-NOT REQUIRED
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (F/#/%)

Supporting Document GE RPT 145C3031 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN HT 6/81 FE 6/81

Equipment No LITS263-73B
 Description LEVEL INDICATING TRANS SWITCH M253
 System RHR SAFETY RELATED DISPLAY
 Man/Model YARWAY 4418EC 2653B
 Safety Function 4B/11 CNTM SPRAY PERM/MONITORING
 Plant Location 1 10 C2252
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #23 RAD-NOT REQUIRED
 Aging THERM-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (F/#/%)
 Supporting Document GE RPT 145C3031 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN HT 6/81 FE 6/81

Equipment No LS2301-2351A
 Description LEVEL SWITCH M243
 System HPCI
 Man/Model ROBERT SHAW SL-702A1
 Safety Function 4 OPEN HPCI TORUS SUCTION
 Plant Location TORUS AREA LOCAL MNTD
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3 5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No LS2301-2351B
 Description LEVEL SWITCH M243
 System HPCI
 Man/Model ROBERT SHAW SL-702A1
 Safety Function 4 OPEN HPCI TORUS SUCTION
 Plant Location TORUS AREA LOCAL MNTD
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3 5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No LS2301-2365
 Description LEVEL SWITCH M243
 System HPCI
 Man/Model ROBERT SHAW SL-305-E7X D70-L226
 Safety Function 4 HPCI DRAIN POT CONTROL
 Plant Location 1 3 LOCAL MNTD
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3 5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)

Supporting Document	P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
QUAL STATUS	DOR
Equipment No	LS2301-2369
Description	LEVEL SWITCH M244
System	HPCI
Man/Model	ROBERT SHAW SL-305-E7X
Safety Function	4 HPCI DRAIN POT CONTROL
Plant Location	1.3 LOCAL MNTD
Operating Time Req/Avail	R-5 hr
DBE Env Req	(F/#/%) - NONE not required during hostile pboc RAD-3 5X10E4 loca dose only
Qual Envir	(F/#/%) - NOT REQUIRED RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification	EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document	P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
QUAL STATUS	DOR
Equipment No	LS302-82A
Description	LEVEL SWITCH M250
System	CRD SCRAM SYSTEM
Man/Model	ROBERT SHAW SL-305-E7X D70-L233
Safety Function	1 SCRAM - DISCH. VOLUME
Plant Location	1.9 LOCAL MNTD
Operating Time Req/Avail	NR-LOCA NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-NONE not required during loca
Qual Envir	(F/#/%) - NOT REQUIRED RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification	EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document	P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
QUAL STATUS	DOR
Equipment No	LS302-82B
Description	LEVEL SWITCH M250
System	CRD SCRAM SYSTEM
Man/Model	ROBERT SHAW SL-305-E7X D70-L234
Safety Function	1 SCRAM - DISCH. VOLUME
Plant Location	1.9 LOCAL MNTD
Operating Time Req/Avail	NR-LOCA NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-NONE not required during loca
Qual Envir	(F/#/%) - NOT REQUIRED RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification	EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document	P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
QUAL STATUS	DOR
Equipment No	LS302-82C
Description	LEVEL SWITCH M250
System	CRD SCRAM SYSTEM
Man/Model	ROBERT SHAW SL-305-E7X D70-L230
Safety Function	1 SCRAM - DISCH. VOLUME
Plant Location	1.9 LOCAL MNTD
Operating Time Req/Avail	NR-LOCA NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-NONE not required during loca
Qual Envir	(F/#/%) - NOT REQUIRED RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification	EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document	P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
QUAL STATUS	DOR

Equipment No LS302-B2D
 Description LEVEL SWITCH M250
 System CRD SCRAM SYSTEM
 Man/Model ROBERT SHAW SL-305-E7X D70-L229
 Safety Function 1 SCRAM - DISCH. VOLUME
 Plant Location 1.9 LOCAL MNTD
 Operating Time Req/Avail NR-LOCA NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not required during loca
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD)
 QUAL STATUS DOR

Equipment No LS8020
 Description LEVEL SWITCH M244
 System HPCI
 Man/Model MCDONNELL & MILLER 63-SV
 Safety Function 4 CONTROL HPCI GLAND SEAL COND. CONDENSATE PUMP NOT ESSENTIAL TO HPCI
 Plant Location 1.3 LOCAL MNTD
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (F/#/%) GENERIC EVALUATION/UTILITY (RAD) EVALUATION/UTILITY (AGING)
 Supporting Document MEMO P&CS 80-109 P&CS MEMO 80-23B (RAD) P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No LS8021
 Description LEVEL SWITCH M244
 System HPCI
 Man/Model MCDONNELL & MILLER 63-SV
 Safety Function 4 CONTROL HPCI GLAND SEAL COND. CONDENSATE PUMP NOT ESSENTIAL TO HPCI
 Plant Location 1.3 LOCAL MNTD
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (F/#/%) GENERIC EVALUATION/UTILITY (RAD) EVALUATION/UTILITY (AGING)
 Supporting Document MEMO P&CS 80-109 P&CS MEMO 80-23B (RAD) P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No LS906B
 Description LEVEL SWITCH M243
 System HPCI
 Man/Model ROBERT SHAW SL-702A1
 Safety Function 4 HPCI TURB EXHAUST
 Plant Location 1.3 LOCAL MNTD
 Operating Time Req/Avail R-LOCA (P)-30 days NR-PBOC
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD)
 QUAL STATUS DOR

Equipment No LT503B

Description LEVEL TRANSMITTER M241
 System SAFETY RELATED DISPLAY
 Man/Model FOXBORD 617B5-3K21-32 2470190
 Safety Function 11 TORUS WATER LEVEL MONITORING
 Plant Location TORUS AREA LOCAL MNTD
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBDC-5 RAD-6 2X10E5
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED outstanding item (RAD)
 Aging outstanding item
 Method of Qualification VENDOR EVALUATION
 Supporting Document BPCo SCEQ BPCo CEQE P&CS MEMO 80-186
 Notes NEW LEVEL INSTRUMENTS TO BE INSTALLED AS PART OF TMI CAT. B
 QUAL STATUS NYQ NOT ESSENTIAL TO SAFETY SYSTEM OPERATION
 QUAL PLAN ER 1/81

Equipment No LT5049
 Description LEVEL XMTR. M227
 System SAFETY RELATED DISPLAY
 Man/Model FOXBORD 617B5-3K21-32 2330799
 Safety Function 11 TORUS LEVEL INDICATION
 Plant Location TORUS AREA LOCAL MNTD
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBDC-5 RAD-6 2X10E5
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED outstanding item (RAD)
 Aging outstanding item
 Method of Qualification VENDOR EVALUATION
 Supporting Document BPCo SCEQ BPCo CEQE P&CS MEMO (80-186)
 Notes NEW INSTRUMENTS TO BE INSTALLED AS PART OF TMI CAT. B
 QUAL STATUS NYQ NOT ESSENTIAL TO SAFETY SYSTEM OPERATION
 QUAL PLAN ER 1/81

Equipment No LT646A
 Description LEVEL TRANSMITTER
 System SAFETY RELATED DISPLAY
 Man/Model GE 555111BCAA3ABA FF2220-05440
 Safety Function 11 RX VESSEL LEVEL
 Plant Location 1.11 C2205
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBDC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #30 RAD-NOT REQUIRED
 Aging outstanding item
 Method of Qualification TEST (F/%) GENERIC EVALUATION /UTILITY (#/AGING)
 Supporting Document GE RPT 145C3007 P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN AA 4/81 HT 4/81 FE 4/81

Equipment No LT646B
 Description LEVEL TRANSMITTER
 System SAFETY RELATED DISPLAY
 Man/Model GE 555111BCAA3ABA EK030024-005
 Safety Function 11 RX VESSEL LEVEL
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBDC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #30 RAD-NOT REQUIRED
 Aging outstanding item
 Method of Qualification TEST (F/%) GENERIC EVALUATION/UTILITY (#/AGING)
 Supporting Document GE RPT 145C3007 P&CS MEMO 80-186 (F/#/%)

QUAL. STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN AA 4/81 HT 4/81 FE 4/81

Equipment No MO1001-16A
 Description MOTOR OPERATOR 1B-M139 VALVE M241
 System RHR
 Man/Model LIMITORQUE SMB-2 110685 343979A
 Safety Function 4A/4B BLOCK VALVE-RHR HT EXCH. BYPASS (E207A)
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL. STATUS DOR

Equipment No MO1001-16B
 Description MOTOR OPERATOR 1B-N139 VALVE M241
 System RHR
 Man/Model LIMITORQUE SMB-2 110684 343979A
 Safety Function 4A/4B BLOCK VALVE-RHR HT EXCH. BYPASS (E207B)
 Plant Location 1.2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL. STATUS DOR

Equipment No MO1001-18A
 Description MOTOR OPERATOR 3-N26M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-0 100046 345138A
 Safety Function 2/4A/4B RHR (P203A/C) MIN. RECIRC.
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL. STATUS DOR

Equipment No MO1001-18B
 Description MOTOR OPERATOR 3-N26M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-000 100047 345138B
 Safety Function 2/4A/4B RHR (P203B/D) MIN. RECIRC.
 Plant Location 1.2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL. STATUS DOR

Equipment No MO1001-21
Description MOTOR OPERATOR 4-N26 VALVE M241
System RHR CNTM ISOLATION
Man/Model LIMITORQUE SMB-000 117864 345138D RELIANCE 463471??
Safety Function 2 FLOCK VLV-RHR TO CHEM WASTE
Plant Location 1. B
Operating Time Req/Avail R(A)-1 min R(P)-30 day
DBE Env Req (F/#/%) -PBOC-5 RAD-6.2X10E5
Qual Envir TEST CURVE #21 RAD-1X10E7
Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
ION ON NO SUPERHEAT EFFECTS BASED ON VENDOR TEST
Supporting Document LMTQE LTR TO BPCo 1/30/80 LMTQE LTR TO BPCo 1/30/80 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST
RPT B0009 LIMITORQUE TEST RPT B0027 BPCo CEQE
QUAL STATUS DOR

Equipment No MO1001-23A
Description MOTOR OPERATOR 10-N26M4 VALVE M241
System RHR CNTM ISOLATION
Man/Model LIMITORQUE SMB-0 126328 345138E RELIANCE 447107-CV
Safety Function 2/4A/4B BLOCK VALVE FOR CNTM. SPRAY
Plant Location 1.11A
Operating Time Req/Avail R-30 day
DBE Env Req (F/#/%) -PBOC-2 RAD-6.2X10E5
Qual Envir TEST CURVE #21 RAD-2X10E7 (excluding brake) RAD-1X10E6 (brake)
Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
ION ON SUPERHEAT EFFECTS BASED ON VENDOR TEST
Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 8/27/80 1/3/80 2/5/80 LIMITORQUE TEST REPORT B0003 LIMITORQUE
E RPT B0027 FIRL TEST RPT F-C3271 (brake only) P&CS MEMO 80-238 (RAD brake)
QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF BRAKE RADIATION
QUAL PLAN RA 9/81 FE 9/81

Equipment No MO1001-23B
Description MOTOR OPERATOR 10-N26M4 VALVE M241
System RHR CNTM ISOLATION
Man/Model LIMITORQUE SMB-0 122367 345138F RELIANCE 447107-CV
Safety Function 2/4A/4B BLOCK VALVE FOR CNTM. SPRAY
Plant Location 1.10A
Operating Time Req/Avail R-30 day
DBE Env Req (F/#/%) -PBOC-4 RAD-6.2X10E5
Qual Envir TEST CURVE #21 RAD-2X10E7 (excluding brake) RAD-1X10E6 (brake)
Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
ION ON SUPERHEAT EFFECTS BASED ON VENDOR TEST
Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 8/27/80 1/3/80 2/5/80 LIMITORQUE TEST REPORT B0003 LIMITORQUE
E RPT B0027 FIRL TEST RPT F-C3271 (brake only) P&CS MEMO 80-238 (RAD brake)
QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF BRAKE RADIATION
QUAL PLAN RA 9/81 FE 9/81

Equipment No MO1001-26A
Description MOTOR OPERATOR 10-N26M4 VALVE M241
System RHR CNTM ISOLATION
Man/Model LIMITORQUE SMB-0 122368 345138G RELIANCE ???(447107-CV)
Safety Function 2/4A/4B BLOCK VALVE FOR CNTM. SPRAY
Plant Location 1.11A
era Tie q/A f day

DBE Env Req (F/#/%) - PBOC-2 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7 (excluding brake) RAD-1X10E6 (brake)
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 ION ON SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 8/27/80 1/3/80 2/5/80 LIMITORQUE TEST REPORT B0003 LIMITORQU
 E RPT B0027 FIRL TEST RPT F-C3271 (brake only) P&CS MEMO 80-238 (RAD brake)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY ACCEPTABILITY OF BRAKE RADIATION
 QUAL PLAN RA 9/81 FE 9/81

Equipment No MO1001-26B
 Description MOTOR OPERATOR 10-N26M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-0 122369 345138H RELIANCE 447107-CV
 Safety Function 2/4A/4B BLOCK VALVE FOR CNTM SPRAY
 Plant Location 1.10A
 Operating Time Req/Avail R-30 day

DBE Env Req (F/#/%) - PBOC-4 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7 (excluding brake) RAD-1X10E6 (brake)
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 ION ON SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 8/27/80 1/3/80 2/5/80 LIMITORQUE TEST REPORT B0003 LIMITORQU
 E RPT B0027 FIRL TEST RPT F-C3271 (brake only) P&CS MEMO 80-238 (RAD brake)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY ACCEPTABILITY OF BRAKE RADIATION
 QUAL PLAN RA 9/81 FE 9/81

Equipment No MO1001-28A
 Description MOTOR OPERATOR 18-N136SP66 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-5 123931 337512A
 Safety Function 2/4A/4B LPCI THROTTLE GLOBE LOOP A
 Plant Location 1.9A
 Operating Time Req/Avail R-30 day

DBE Env Req (F/#/%) - PBOC-B RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL STATUS DOR

Equipment No MO1001-28B
 Description MOTOR OPERATOR 18-N136SP66 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-5 123932 337512A
 Safety Function 2/4A/4B LPCI THROTTLE GLOBE LOOP B
 Plant Location 1.10B
 Operating Time Req/Avail R-30 day

DBE Env Req (F/#/%) - PBOC-1 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL STATUS DOR

Equipment No MO1001-29A
 Description MOTOR OPERATOR 18-N14SP66M3 VALVE M241
 System RHR CNTM ISOLATION

Man/Model LIMITORQUE SMB-3 109314 337511G
 Safety Function 4A/4B/2 BLOCK VALVE/LPIC/LOOP A
 Plant Location 1.9A
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-B RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL STATUS DOR

Equipment No MO1001-29B
 Description MOTOR OPERATOR 1B-N14SP66M3 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-3 109315 337511G
 Safety Function 4A/4B/2 LPCI LOOP B BLOCK VALVE
 Plant Location 1.10B
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-1 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL STATUS DOR

Equipment No MO1001-32
 Description MOTOR OPERATOR 4-N26 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-000 113141 345138C
 Safety Function 2/4A/4B BLOCK VLV-RHR TO CHEM WASTE
 Plant Location 1.8
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL STATUS DOR

Equipment No MO1001-34A
 Description MOTOR OPERATOR 12-N26 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-00 110716 343978A
 Safety Function 2/4A/4B BLOCK VALVE: TORUS COOLING & SPRAY LOOP A
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL STATUS DOR

Equipment No MO1001-34B
 Description MOTOR OPERATOR 12-N26 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-00 110715 343978A
 Safety Function 2/4A/4B BLOCK VALVE: TORUS COOLING & SPRAY LOOP B

Plant Location 1.2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL STATUS DOR

Equipment No MO1001-36A
 Description MOTOR OPERATOR 12-N139M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-2 136500 353177D
 Safety Function 2/4B BLOCK VALVE - TORUS COOLING / LOOP A
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL STATUS DOR

Equipment No MO1001-36B
 Description MOTOR OPERATOR 12-N139M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-2 136501 353177D
 Safety Function 2/4B BLOCK VALVE - TORUS COOLING / LOOP B
 Plant Location 1.2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL STATUS DOR

Equipment No MO1001-37A
 Description MOTOR OPERATOR 6-N139M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-00 111350 345138I
 Safety Function 2/4B GLOBE THROTTLE / BLOCK TORUS SPRAY / LOOP A
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL STATUS DOR

Equipment No MO1001-37B
 Description MOTOR OPERATOR 6-N139M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-00 111351 345138M
 Safety Function 2/4B GLOBE THROTTLE / BLOCK TORUS SPRAY / LOOP B
 Plant Location 1.2
 Operating Time Req/Avail R-30 day

DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST REPORT B0003 LIMITORQUE RPT B0027
 QUAL STATUS DOR

Equipment No MO1001-43A
 Description MOTOR OPERATOR 18-N29 VALVE M241
 System RHR
 Man/Model LIMITORQUE SMB-0 107780 343976A
 Safety Function 4A/4B RHR SHUTDOWN COOLING BLOCK VV-PUMP (P203A)
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002
 7
 QUAL STATUS DGR

Equipment No MO1001-43B
 Description MOTOR OPERATOR 18-N29 VALVE M241
 System RHR
 Man/Model LIMITORQUE SMB-0 107778 343976A
 Safety Function 4A/4B RHR SHUTDOWN COOLING BLOCK VV-PUMP (P203B)
 Plant Location 1.2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002
 7
 QUAL STATUS DOR

Equipment No MO1001-43C
 Description MOTOR OPERATOR 18-N29 VALVE M241
 System RHR
 Man/Model LIMITORQUE SMB-0 107779 343976A
 Safety Function 4A/4B RHR SHUTDOWN COOLING BLOCK VV-PUMP (P203C)
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002
 7
 QUAL STATUS DOR

Equipment No MO1001-43D
 Description MOTOR OPERATOR 18-N29 VALVE M241
 System RHR
 Man/Model LIMITORQUE SMB-0 107777 343976A
 Safety Function 4A/4B RHR SHUTDOWN COOLING BLOCK PP. (P203D)
 Plant Location 1.2

Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT 80003 LIMITORQUE TEST RPT 8002

7

QUAL STATUS DOR

Equipment No MO1001-47
 Description MOTOR OPERATOR 20-N14M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-2 118290 338931A PEERLESS ZD-27226
 Safety Function 2/4A BLOCK VALVE-RHR SHUTDOWN-ALL RHR PUMPS
 Plant Location 1.9A
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-B RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7 (excluding brake) RAD-1X10E6 (brake)
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 1/3/80 6/20/80 LIMITORQUE TEST RPT 80003 LIMITORQUE TEST RPT 80027

Notes P&CS MEMO 80-238 (RAD brake)
 VENDOR SEARCH ON MOTOR QUALIFICATION IN PROGRESS
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY ACCEPTABILITY OF BRAKE RADIATION
 QUAL PLAN RA 1/81 FE 1/81

Equipment No MO1001-60
 Description MOTOR OPERATOR 4-N14M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-000 117777 345137J PEERLESS EX00554
 Safety Function 4A/4B/2 BLOCK VALVE-RHR SHUTDOWN-ALL RHR PUMPS/RX. VESSEL HD. SPRAY BLOCK BLOCK VALVE-HEAD SPR

AY

Plant Location 1.13
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #21 RAD-1X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 Supporting Document IDN ON NO SUPERHEAT EFFECTS BASED ON VENDOR TEST
 LMTQE LTR TO BPCo 1/3/80 LMTQE LTR TO BPCo 1/30/80 LIMITORQUE TEST RPT 80003 LIMITORQUE TEST RPT 80009 LIMITORQUE TEST RPT 80027 BPCo CEQE

QUAL STATUS DOR

Equipment No MO1001-7A
 Description MOTOR OPERATOR 18-N29M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-0 107773 343976A
 Safety Function 4A/4B/2 RHR PUMP (P203A) SUCT. BLOCK VALVE
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT 80003 LIMITORQUE TEST RPT 8002

7

QUAL STATUS DOR

Equipment No MD1001-7B
 Description MOTOR OPERATOR 18-N29M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-0 107771 343976A
 Safety Function 4A/4B/2 RHR PUMP (P203B) SUCT. BLOCK VALVE
 Plant Location 1 2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) -PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002

7
 QUAL STATUS DOR

Equipment No MD1001-7C
 Description MOTOR OPERATOR 18-N29M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-0 107772 343976A
 Safety Function 4A/4B/2 RHR PUMP (P203C) SUCT. BLOCK VALVE
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) -PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002

7
 QUAL STATUS DOR

Equipment No MD1001-7D
 Description MOTOR OPERATOR 18-N29M4 VALVE M241
 System RHR CNTM ISOLATION
 Man/Model LIMITORQUE SMB-0 107774 343976A
 Safety Function 4A/4B/2 RHR PUMP (P203D) SUCT. BLOCK VALVE
 Plant Location 1 2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) -PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002

7
 QUAL STATUS DOR

Equipment No MD1201-5
 Description MOTOR OPERATOR 6-N14M3 VALVE M247
 System RCTR WTR CLEAN-UP CNTM ISOLATION
 Man/Model LIMITORQUE SMB-00 23855B 393700A PEERLESS TD22166
 Safety Function 2 RECIRC. TO CLEANUP ISO. PBOC TERM
 Plant Location 1.11A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day R-PBOC-30 min
 DBE Env Req (F/#/%) -PBOC-2 RAD-6.2X10E5
 Qual Envir TEST CURVE #22 RAD-1X10E7
 Aging THERMAL-100 hrs 180C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document LMTQE LTR TO EDISON 3/12/79 LIMITORQUE TEST RPT B0009

QUAL STATUS DGR

Equipment No MO1201-80
 Description MOTOR OPERATOR 4-N116M3 VALVE M247
 System RCTR WTR CLEAN-UP CNTM ISOLATION
 Man/Model LIMITORQUE SMB-0 98031A 337511F
 Safety Function 2 CLEANUP ISO.
 Plant Location 1.11A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002

7

QUAL STATUS DOR

Equipment No MO1301-17
 Description MOTOR OPERATOR N14 VALVES RCIC M245
 System RCIC CNTM ISOLATION
 Man/Model LIMITORQUE SMB-000 268177 3B2124B
 Safety Function 2 RCIC CONT ISO VALVE-OUTSIDE PBOC TERM
 Plant Location 1.10A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-4 RAD-6.2X10E5
 Qual Envir TEST CURVE #22 RAD-1X10E7
 Aging THERMAL-100 hrs 180C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document LMTQE LTR TO EDISON 3/12/79 LIMITORQUE TEST RPT B0009

QUAL STATUS DOR

Equipment No MO1301-25
 Description MOTOR OPERATOR GATE VALVE N29MA M245
 System RCIC CNTM ISOLATION
 Man/Model LIMITORQUE SMB-000 113142 345138P
 Safety Function 2 TORUS SUCT (RCIC) BLOCK VALVE
 Plant Location 1.5
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMYQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002

7

QUAL STATUS DOR

Equipment No MO1301-26
 Description MOTOR OPERATOR GATE VALVE 6-29 M245
 System RCIC CNTM ISOLATION
 Man/Model LIMITORQUE SMB-000 100043 339199A PEERLESS MVB4675
 Safety Function 2 TORUS SUCT (RCIC) BLOCK VALVE
 Plant Location 1.5
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-1X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 Supporting Document ION ON NO SUPERHEAT EFFECTS BASED ON VENDOR TEST
 LMTQE LTR TO BPCo 1/3/80 LMTQE LTR TO BPCo 1/30/80 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST

RPT B0009 LIMITORQUE TEST RPT B0027 BPCo CEQE

QUAL STATUS DOR

Equipment No MO1301-60
 Description MOTOR OPERATOR 2-129 VALVES RCIC M245
 System RCIC CNTH ISOLATION
 Man/Model LIMITORQUE SMB-QQ 108600 343458A PEERLESS MW96382
 Safety Function 2 RCIC PUMP MIN. FLOW BYPASS
 Plant Location 1.5
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-1X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 IQN ON SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTGE LTR TO BPCo 1/3/80 LMTGE LTR TO BPCo 1/30/80 LMTGE TWX TO BPCo 3/17/80 LIMITORQUE TEST
 RPT B0003 LIMITORQUE TEST RPT B0009 LIMITORQUE TEST RPT B0027 BPCo CEQE

QUAL STATUS DOR

Equipment No MO1400-24A
 Description MOTOR OPERATOR 1Q - N14SP66 VALVE M242
 System CORE SPRAY CNTH ISOLATION
 Man/Model LIMITORQUE SMB-3 120859 345137E PERLESS FX01691
 Safety Function 4/2 BLOCK VALVE FOR CS INJECTION LOOP A
 Plant Location 1.11A
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7 (excluding brake) RAD-1X10E6 (brake)
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 IQN ON SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTGE LTR TO BPCo 4/27/79 4/30/79 8/27/80 1/3/80 2/5/80 LIMITORQUE TEST REPORT B0003 LIMITORQU
 E RPT B0027 FURL TEST RPT F-C3271 (brake only) P&CS MEMO 80-238 (RAD brake)

QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF BRAKE RADIATION

QUAL PLAN RA 9/81 FE 9/81

Equipment No MO1400-24B
 Description MOTOR OPERATOR 1Q-N14SP66 VALVE M242
 System CORE SPRAY CNTH ISOLATION
 Man/Model LIMITORQUE SMB-3 120860 345137F PEERLESS FX01692
 Safety Function 4/2 BLOCK VALVE FOR CS INJECTION LOOP B
 Plant Location 1.12
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #21 RAD-2X10E7 (excluding brake) RAD-1X10E6 (brake)
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 IQN ON SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTGE LTR TO BPCo 4/27/79 4/30/79 8/27/80 1/3/80 2/5/80 LIMITORQUE TEST REPORT B0003 LIMITORQU
 E RPT B0027 FURL TEST RPT F-C3271 (brake only) P&CS MEMO 80-238 (RAD brake)

QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF BRAKE RADIATION

QUAL PLAN RA 9/81 FE 9/81

Equipment No MO1400-25A
 Description MOTOR OPERATOR 1Q-N14SP66M3 VALVE M242
 System CORE SPRAY CNTH ISOLATION
 Man/Model LIMITORQUE SMB-3 109313 337511A RELIANCE Y232409A2
 Safety Function 4/2 BLOCK VALVE FOR CS INJECTION LOOP

Plant Location 1.11A
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/X)-PBOC-2 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7 (excluding brake) RAD-1X10E6 (brake)
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 ION ON SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 8/27/80 1/3/80 2/5/80 LIMITORQUE TEST REPORT B0003 LIMITORQU
 E RPT B0027 FIRL TEST RPT F-C3271 (brake only) P&CS MEMO 80-238 (RAD brake)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY ACCEPTABILITY OF BRAKE RADIATION
 QUAL PLAN RA 9/81 FE 9/81

Equipment No M01400-25B
 Description MOTOR OPERATOR 1G-N14SP66M3 VALVE M242
 System CORE SPRAY CNTM ISOLATION
 Man/Model LIMITORQUE SMB-3 109312 337511A RELIANCE Y232409A1-KU
 Safety Function 4/2 BLOCK VALVE FOR CS INJECTION LOOP B
 Plant Location 1.12
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/X)-PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #21 RAD-2X10E7 (excluding brake) RAD-1X10E6 (brake)
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 ION ON SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 8/27/80 1/3/80 2/5/80 LIMITORQUE TEST REPORT B0003 LIMITORQU
 E RPT B0027 FIRL TEST RPT F-C3271 (brake only) P&CS MEMO 80-238 (RAD brake)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY ACCEPTABILITY OF BRAKE RADIATION
 QUAL PLAN RA 9/81 FE 9/81

Equipment No M01400-3A
 Description MOTOR OPERATOR 1B-N29M4 VALVE M242
 System CORE SPRAY CNTM ISOLATION
 Man/Model LIMITORQUE SMB-0 107775 343976A
 Safety Function 2/4 C.S. PUMP (P215A) SUCT VALVE
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/X)-PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002
 7
 QUAL STATUS DOR

Equipment No M01400-3B
 Description MOTOR OPERATOR 1B-N29M4 VALVE M242
 System CORE SPRAY CNTM ISOLATION
 Man/Model LIMITORQUE SMB-0 107776 343976A
 Safety Function 4/2 CS PUMP (P215B) SUCT VLV
 Plant Location 1.2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/X)-PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002
 7
 QUAL STATUS DOR

Equipment No M01400-4A
 Description MOTOR OPERATOR 6-N26M3 VALVE M242
 System CORE SPRAY CNTM ISOLATION
 Man/Model LIMITORQUE SMB-00 100679 345138J
 Safety Function 2/4 BLOCK VALVE: CS PUMP P215A TEST LINE
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTGE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002

7

QUAL STATUS DOR

Equipment No M01400-4B
 Description MOTOR OPERATOR 6-N26M3 VALVE M242
 System CORE SPRAY CNTM ISOLATION
 Man/Model LIMITORQUE SMB-00 100680 345138K
 Safety Function 2/4 BLOCK VALVE: CS PUMP P215B TEST LINE
 Plant Location 1.2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTGE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002

7

QUAL STATUS DOR

Equipment No M02301-10
 Description MOTOR OPERATOR N116 VALVE HPCI M243
 System HPCI
 Man/Model LIMITORQUE SMB-2 119753 345137B PEERLESS HX02737
 Safety Function 4 HPCI TEST TO COND STOR TK
 Plant Location 1.4
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #21 RAD-1X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUATION ON NO SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTGE LTR TO BPCo 1/3/80 LMTGE LTR TO BPCo 1/30/80 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B0009 LIMITORQUE TEST RPT B0027 BPCo CEQE

QUAL STATUS DOR

Equipment No M02301-14
 Description MOTOR OPERATOR 4 GLOBE VALVE M243
 System HPCI CNTM ISOLATION
 Man/Model LIMITORQUE SMB-0 103977 339599A RELIANCE 456621-IU
 Safety Function 2/4 HPCI PUMP MIN RECIRC. BLOCK VALVE
 Plant Location 1.3
 Operating Time Req/Avail R-(A)-5 hr R-(P)-30 days
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging outstanding item
 Supporting Document P&CS MEMO 80-238 (RAD)

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) OUTSIDE CONTAINMENT EQUIPMENT EVALUATION LIST PAGE 51

QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF RADIATION
 QUAL PLAN RA 1/81 AA 1/81 FE 1/81

Equipment No MO2301-3
 Description MOTOR OPERATOR N14 VALVES HPCI M243
 System HPCI
 Man/Model LIMITORQUE SMB-1 118198 345137K PEERLESS 0X01697
 Safety Function 4 HPCI - STEAM SUPPLY
 Plant Location 1 3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile phoc RAD-3 5X10E4 loca dose only
 Qual Envir TEST CURVE #21 RAD-1X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 IDN ON NO SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 1/3/80 LMTQE LTR TO BPCo 1/30/80 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST
 RPT B0009 LIMITORQUE TEST RPT B0027 BPCo CEQE

QUAL STATUS DOR

Equipment No MO2301-35
 Description MOTOR OPERATOR SUPPRESSION POOL SUCTION LINE VALVE HPCI M243
 System HPCI CNTM ISOLATION
 Man/Model LIMITORQUE SMB-0 114023 339213A RELIANCE 456621-EY
 Safety Function 2/4 HPCI TORUS SUCT BLOCK VALVE
 Plant Location 1 3
 Operating Time Req/Avail R-(A)-5 hrs R-(P)-30 days
 DBE Env Req (F/#/%) - NONE not required during hostile phoc RAD-3 5X10E4 loca dose only
 Qual Envir TEST CURVE #21 RAD-1X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 IDN ON NO SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 1/3/80 LMTQE LTR TO BPCo 1/30/80 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST
 RPT B0009 LIMITORQUE TEST RPT B0027 BPCo CEQE

QUAL STATUS DOR

Equipment No MO2301-36
 Description MOTOR OPERATOR SUPPRESSION POOL SUCTION LINE VALVE HPCI M243
 System HPCI CNTM ISOLATION
 Man/Model LIMITORQUE SMB-00 113573 343977A RELIANCE 463448-CV
 Safety Function 2/4 HPCI TORUS SUCT. BLOCK VALVE
 Plant Location 1 3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile phoc RAD-3 5X10E4 loca dose only
 Qual Envir TEST CURVE #21 RAD-1X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 IDN ON NO SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 1/3/80 LMTQE LTR TO BPCo 1/30/80 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST
 RPT B0009 LIMITORQUE TEST RPT B0027 BPCo CEQE

QUAL STATUS DOR

Equipment No MO2301-5
 Description MOTOR OPERATOR N14 VALVES HPCI M243
 System HPCI CNTM ISOLATION
 Man/Model LIMITORQUE SMB-1 272114 382124A
 Safety Function 2/4 HPCI INJ ISO VALVE PBOC TERM
 Plant Location 1.10B
 Operating Time Req/Avail R-5 hr R-1 0 d.

DBE Env Req (F/#/%) PBQC-1 RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #22 RAD-1X10E7
 Aging THERMAL-100 hrs 1BQC MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document LMTGE LTR TO EDISON 3/12/79 LIMITORQUE TEST RPT B0009
 QUAL STATUS DOR

Equipment No M02301-8
 Description MOTOR OPERATOR N10 VALVES HPCI M243
 System HPCI
 Man/Model LIMITORQUE SMB-1 111297 342B71A PEERLESS AX96796
 Safety Function 4 HPCI PUMP DISCH.
 Plant Location 1.10A
 Operating Time Req/Avail R-(A)-5 hr R-(P)-30 days
 DBE Env Req (F/#/%) PBQC-4 RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #21 RAD-1X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 IQN ON NO SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTGE LTR TO BPCo 1/3/80 LMTGE LTR TO BPCo 1/30/80 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST
 RPT B0009 LIMITORQUE TEST RPT B0027 BPCo CEQE
 QUAL STATUS DOR

Equipment No M02301-9
 Description MOTOR OPERATOR N10 VALVES HPCI M243
 System HPCI
 Man/Model LIMITORQUE SMB-1 111296 342B71A PEERLESS AX96795
 Safety Function 4 HPCI PUMP DISCH.
 Plant Location 1.3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) NONE not required during hostile phoc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #21 RAD-1X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 IQN ON NO SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTGE LTR TO BPCo 1/3/80 LMTGE LTR TO BPCo 1/30/80 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST
 RPT B0009 LIMITORQUE TEST RPT B0027 BPCo CEQE
 QUAL STATUS DOR

Equipment No M0261-2 M0220-2
 Description MOTOR OPERATOR 3-N14M4 VALVE M252
 System MAIN STEAM CNM ISOLATION
 Man/Model LIMITORQUE SMB-000-5 117776 245137H PEERLESS EX00553
 Safety Function 2 MSIV DRAIN BLOCK VALVE
 Plant Location STEAM TUNNEL
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day R-PBOC(A)-30 min R-PBOC(P)-30 day
 DBE Env Req (F/#/%) PBQC-B RAD-6.2X10E5
 Qual Envir TEST CURVE #21 RAD-1X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR VENDOR EVALUATION OF INDIVIDUAL COMPONENTS TO ONES TESTED BPCo EVALUAT
 IQN ON NO SUPERHEAT EFFECTS BASED ON VENDOR TEST
 Supporting Document LMTGE LTR TO BPCo 1/3/80 LMTGE LTR TO BPCo 1/30/80 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST
 RPT B0009 LIMITORQUE TEST RPT B0027 BPCo CEQE
 QUAL STATUS DOR

Equipment No M04002
 Description MOTOR OPERATOR 6-29 GATE VALVE M215
 System PBOC CNM ISOLATION

Man/Model LIMITORQUE SMB-000 113230 345606A
 Safety Function 2/4C RBCCW CONT. IRO. VALVE
 Plant Location TORUS AREA
 Operating Time Req/Avail R-(A)-10 min (TO ALLOW TIME FOR REMOTE MANUAL OPERATION)
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002

7

QUAL STATUS DOR

Equipment No M04010A
 Description MOTOR OPERATOR 12-29 GATE VALVE M215
 System RBCCW
 Man/Model LIMITORQUE SMB-00 99972A 339189A
 Safety Function 4C RHR HT EXCH
 Plant Location 1 2
 Operating Time Req/Avail R-(A)-30 day
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002

7

QUAL STATUS DOR

Equipment No M04010B
 Description MOTOR OPERATOR 12-29 GATE VALVE M215
 System RBCCW
 Man/Model LIMITORQUE SMB-00 99973A 339189A
 Safety Function 4C RHR HT EXCH
 Plant Location 1 2
 Operating Time Req/Avail R-(A)-30 day
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002

7

QUAL STATUS DOR

Equipment No M04060A
 Description MOTOR OPERATOR 12-29 GATE VALVE M215
 System RBCCW
 Man/Model LIMITORQUE SMB-00 99974A 339189A
 Safety Function 4C RHR HT EXCH INLET
 Plant Location 1 1
 Operating Time Req/Avail R-(A)-30 day
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0J03 LIMITORQUE TEST RPT B002

7

QUAL STATUS DOR

Equipment No M04060B

Description MOTOR OPERATOR 12-29 GATE VALVE M215
 System RBCCW
 Man/Model LIMITORQUE SMB-00 99975A 3391B9A
 Safety Function 4C RHR HT. EXCH
 Plant Location 1.1
 Operating Time Req/Avail R-(A)-30 day
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6 2X10E5
 Qual Envir TEST CURVE #21 RAD-2X10E7
 Aging THERMAL-200 hrs 75C MECH-2000 CYCLES
 Method of Qualification TEST/SEQUENTIAL/SIMILAR BPCo SUPERHEAT EVALUATION BASED ON VENDOR TEST
 Supporting Document LMTQE LTR TO BPCo 4/27/79 4/30/79 & 6/11/79 LIMITORQUE TEST RPT B0003 LIMITORQUE TEST RPT B002

7

QUAL STATUS DOR

Equipment No MON109
 Description OUTLET DAMPER FOR VEX210A M294
 System STANDBY GAS TREATMENT
 Man/Model HONEYWELL ACTIONATOR M940A1067-1
 Safety Function 13 STANDBY GAS TREATMENT
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-8 BX10E6
 Qual Envir (F/#/%) - NOT REQUIRED outstanding item (RAD)
 Aging outstanding item
 QUAL STATUS NYQ
 QUAL PLAN ER 11/81

Equipment No MON113
 Description OUTLET DAMPER FOR VEX210B M294
 System STANDBY GAS TREATMENT
 Man/Model HONEYWELL ACTIONATOR M940A1067-1
 Safety Function 13 STANDBY GAS TREATMENT
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-8 BX10E6
 Qual Envir (F/#/%) - NOT REQUIRED outstanding item (RAD)
 Aging outstanding item
 QUAL STATUS NYQ
 QUAL PLAN ER 11/81

Equipment No N550
 Description SHUTDOWN PANEL
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS SWITCHES-ELECTROSWITCH 24&40 LIGHTS-GE ET-16 TERMINAL BLOCKS-GE EB-25
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location 1.10
 Operating Time Req/Avail R-30day
 DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #40 (TB) (F/#/%) - IN EXCESS OF REQUIRED (SW & LT) RAD-5X10E6 (T2) RAD-1X10E6 (LT)
 Aging RAD-1X10E4 (SW)
 Method of Qualification THERMAL-120hrs BOC (SW) MECH-10000 CYCLES (SW) THERM-NOT SIGNIFICANT (LT & TB)
 TEST/SEQUENTIAL (TB) TEST SEPARATE (SW % RAD AGING) GENERIC EVALUATION/UTILITY (LT F/#/% RAD A
 GING) GENERIC EVALUATION/UTILITY (SW F/#)
 Supporting Document EPRI/BWR GSR-010-A-01 (TB) ELECTROSWITCH ENG TEST RPT 2392-14 (SW % RAD AGING) P&CS MEMO 80-18
 & (SW & LT F/#/%) P&CS MEMO 80-202 (LT & TB AGING) P&CS MEMO 80-238 (LT RAD)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC STUDY
 QUAL PLAN RA 2/81 HT 2/81 AA 2/81 FE 3/81

Equipment No P203A
 Description RHR PUMP M241
 System RHR
 Man/Model GE 5K6339XC87A JFJ909007
 Safety Function 4A/4B
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir RAD-9X10E7
 Aging THERM-114000hrs 40C (estimated life)
 Method of Qualification TEST/SIMILAR EQUIPMENT (F/#/%) EVALUATION/VENDOR (RAD/AGING)
 Supporting Document GE LTR Q-HK-0-163
 QUAL STATUS DOR

Equipment No P203B
 Description RHR PUMP M241
 System RHR
 Man/Model GE 5K6339XC87A JFJ909008
 Safety Function 4A/4B
 Plant Location 1.2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir RAD - 9X10E7
 Aging THERM-114000hrs 40C (estimated life)
 Method of Qualification TEST/SIMILAR EQUIPMENT (F/#/%) EVALUATION/VENDOR (RAD/AGING)
 Supporting Document GE LTR Q-HK-0-163
 QUAL STATUS DOR

Equipment No P203C
 Description RHR PUMP M241
 System RHR
 Man/Model GE 5K6339XC87A JFJ909006
 Safety Function 4A/4B
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir RAD - 9X10E7
 Aging THERM-114000hrs 40C (estimated life)
 Method of Qualification TEST/SIMILAR EQUIPMENT (F/#/%) EVALUATION/VENDOR (RAD/AGING)
 Supporting Document GE LTR Q-HK-0-163
 QUAL STATUS DOR

Equipment No P203D
 Description RHR PUMP M241
 System RHR
 Man/Model GE 5K6339XC87A JFJ269006
 Safety Function 4A/4B
 Plant Location 1.2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir RAD - 9X10E7
 Aging THERM-114000hrs 40C (estimated life)
 Method of Qualification TEST/SIMILAR EQUIPMENT (F/#/%) EVALUATION/VENDOR (RAD/AGING)
 Supporting Document GE LTR Q-HK-0-163
 QUAL STATUS DOR

System CORE SPRAY
 Man/Model GE 5K6337XC93A FEJ618021
 Safety Function 4
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir RAD - 9X10E7
 Aging THERM-114000hrs 40C (estimated life)
 Method of Qualification TEST/SIMILAR EQUIPMENT (F/#/%) EVALUATION/VENDOR (RAD/AGING)
 Supporting Document GE LTR Q-HK-0-163
 QUAL STATUS DQR

Equipment No P215B
 Description CORE SPRAY PUMP M242
 System CORE SPRAY
 Man/Model GE 5K6337XC93A FEJ618022
 Safety Function 4
 Plant Location 1.2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir RAD - 9X10E7
 Aging THERM-114000hrs 40C (estimated life)
 Method of Qualification TEST/SIMILAR EQUIPMENT (F/#/%) EVALUATION/VENDOR (RAD/AGING)
 Supporting Document GE LTR Q-HK-0-163
 QUAL STATUS DQR

Equipment No PS1001-104A
 Description PRESSURE SWITCH M241
 System RHR ADS
 Man/Model STATIC-O-RING 5N-AA3 72-4-1-1753
 Safety Function 10 ADS AUTO ACTUATION PERMISSIVE SIGNAL
 Plant Location 1.1 LOCAL MNTD
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%) - PBOC-5 RAD-5X10E4 loca dose only
 Qual Envir TEST CURVE #27 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3011 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/ #/%)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QUAL PLAN HT 4/81 FE 4/81

Equipment No PS1001-104B
 Description PRESSURE SWITCH M241
 System RHR ADS
 Man/Model STATIC-O-RING 5N-AA3 70-9-936
 Safety Function 10 ADS PERMISSIVE
 Plant Location 1.2 LOCAL MNTD
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%) - PBOC-5 RAD-5X10E4 loca dose only
 Qual Envir TEST CURVE #27 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3011 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/ #/%)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QUAL PLAN HT 4/81 FE 4/81

Equipment No PS1001-104C
Description PRESSURE SWITCH M241
System RHR ADS
Man/Model STATIC-O-RING 5N-AA3-X3PP 72-4-1749
Safety Function 10 ADS AUTO ACTUATION PERMISSIVE SIGNAL
Plant Location 1.1 LOCAL MNTD
Operating Time Req/Avail R-8 hr
DBE Env Req (F/#/%) -PBOC-5 RAD-5X10E4 loca dose only
Qual Envir TEST CURVE #27 RAD-1X10E6
Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document GE RPT 145C3011 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/#/%)
QUAL STATUS JCO FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
QUAL PLAN HT 4/81 FE 4/81

Equipment No PS1001-104D
Description PRESSURE SWITCH M241
System RHR ADS
Man/Model STATIC-O-RING 5N-AA3-X3PP 70-9-937
Safety Function 10 ADS PERMISSIVE
Plant Location 1.2 LOCAL MNTD
Operating Time Req/Avail R-8 hr
DBE Env Req (F/#/%) -PBOC-5 RAD-5X10E4 loca dose only
Qual Envir TEST CURVE #27 RAD-1X10E6
Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document GE RPT 145C3011 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/#/%)
QUAL STATUS JCO FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
QUAL PLAN HT 4/81 FE 4/81

Equipment No PS1001-83A
Description PRESSURE SWITCH M241
System RHR
Man/Model STATIC-O-RING 12N-AA4-PP 69-11-110
Safety Function 4B DRYWELL SPRAY VALVE PERMISSIVE
Plant Location 1.14 C129A
Operating Time Req/Avail R-LOCA-30 day NR-PBOC
DBE Env Req (F/#/%) -NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir TEST CURVE #28 RAD-1X10E6
Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document GE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
QUAL STATUS DOR

Equipment No PS1001-83B
Description PRESSURE SWITCH M241
System RHR
Man/Model STATIC-O-RING 12N-AA4-PP 69-11-99
Safety Function 4B DRYWELL SPRAY VALVE PERMISSIVE
Plant Location 1.12 C2206
Operating Time Req/Avail R-LOCA-30 day NR-PBOC
DBE Env Req (F/#/%) -NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir TEST CURVE #28 RAD-1X10E6
Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document GE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)

QUAL STATUS DQR

Equipment No PS1001-B3C
 Description PRESSURE SWITCH M241
 System RHR
 Man/Model STATIC-O-RING 12NAA5 70-11-1547
 Safety Function 4B DRYWELL SPRAY VALVE PERMISSIVE
 Plant Location 1 14 C129A
 Operating Time Req/Avail R-LOCA-30 day NR-PBDC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #2B RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DQR

Equipment No PS1001-B3D
 Description PRESSURE SWITCH M241
 System RHR
 Man/Model STATIC-O-RING 12NAA5 70-11-1546
 Safety Function 4B DRYWELL SPRAY VALVE PERMISSIVE
 Plant Location 1 12 C2206
 Operating Time Req/Avail R-LOCA-30 day NR-PBDC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #2B RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DQR

Equipment No PS1001-B9A
 Description PRESSURE SWITCH M241
 System RHR ADS
 Man/Model STATIC-O-RING 12N-AA5 69-11-109
 Safety Function 1Q ADS PERMISSIVE
 Plant Location 1 14 C129B
 Operating Time Req/Avail R-B hr
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #2B RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DQR

Equipment No PS1001-B9B
 Description PRESSURE SWITCH M241
 System RHR ADS
 Man/Model STATIC-O-RING 12N-AA4-PP 69-11-100
 Safety Function 1Q ADS PERMISSIVE
 Plant Location 1 12 C2206
 Operating Time Req/Avail R-B hr
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #2B RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DQR

Equipment No PS1001-89C
 Description PRESSURE SWITCH M241
 System RHR ADS
 Man/Model STATIC-O-RING 12N-AA4-PP 69-11-104
 Safety Function 10 ADS PERMISSIVE
 Plant Location 1.14 C129A
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%) -PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #2B RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document QE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS1001-89D
 Description PRESSURE SWITCH M241
 System RHR ADS
 Man/Model STATIC-O-RING 12N-AA5 69-11-102
 Safety Function 10 ADS PERMISSIVE
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%) -PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #2B RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document QE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS1001-90A
 Description PRESSURE SWITCH M241
 System RHR CORE SPRAY HPCI via CORE SPRAY
 Man/Model STATIC-O-RING 12N-AA4-PP 69-11-106
 Safety Function 4A/4B/4 PERM SIG (RHR/CS/HPCI INIT)
 Plant Location 1.14 C129B
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) -PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #2B RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document QE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS1001-90B
 Description PRESSURE SWITCH M241
 System RHR CORE SPRAY HPCI via CORE SPRAY
 Man/Model STATIC-O-RING 12N-AA4-PP 69-11-105
 Safety Function 4A/4B/4 PERM SIG (RHR/CS/HPCI INIT)
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) -PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #2B RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document QE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS1001-90C
 Description PRESSURE SWITCH M241

System RHR CORE SPRAY HPCI via CORE SPRAY
 Man/Model STATIC-O-RING 12N-AA4-PP 69-11-111
 Safety Function 4A/4B/4 PERM SIG (RHR/CS/HPCI INIT)
 Plant Location 1.14 C129A
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) -PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #28 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS1001-90D
 Description PRESSURE SWITCH M241
 System RHR CORE SPRAY HPCI via CORE SPRAY
 Man/Model STATIC-O-RING 12N-AA4-PP 69-11-101
 Safety Function 4A/4B/A PERM SIG (RHR/CS/HPCI INIT)
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) -PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #28 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS1001-93A
 Description PRESSURE SWITCH M241
 System RHR ADS
 Man/Model STATIC-O-RING 5N-AA3 70-10-1167
 Safety Function 10 ADS AUTO ACTUATION PERMISSIVE SIGNAL
 Plant Location 1.1 LOCAL MNTD
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%) -PBOC-5 RAD-5X10E4 loca dose only
 Qual Envir TEST CURVE #27 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3011 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/
 #/%)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QUAL PLAN HT 4/81 FE 4/81

Equipment No PS1001-93B
 Description PRESSURE SWITCH M241
 System RHR ADS
 Man/Model STATIC-O-RING 5N-AA3 70-10-1164
 Safety Function 10 ADS AUTO ACTUATION PERMISSIVE SIGNAL
 Plant Location 1.2 LOCAL MNTD
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%) -PBOC-5 RAD-5X10E4 loca dose only
 Qual Envir TEST CURVE #27 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3011 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/
 #/%)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QUAL PLAN HT 4/81 FE 4/81

Equipment No PS1001-93C
 Description PRESSURE SWITCH M241
 System RHR ADS
 Man/Model STATIC-O-RING 5N-AA3 70-10-1165
 Safety Function 10 ADS AUTO ACTUATION PERMISSIVE SIGNAL
 Plant Location 1.1 LOCAL MNTD
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%) -PBOC-5 RAD-5X10E4 loca dose only
 Qual Envir TEST CURVE #27 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3011 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD) P&CS MEMO 80-186 (F/

QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QUAL PLAN HT 4/81 FE 4/81

Equipment No PS1001-93D
 Description PRESSURE SWITCH M241
 System RHR ADS
 Man/Model STATIC-O-RING 5N-AA3 70-10-1166
 Safety Function 10 ADS AUTO ACTUATION PERMISSIVE SIGNAL
 Plant Location 1.2 LOCAL MNTD
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%) -PBOC-5 RAD-5X10E4 loca dose only
 Qual Envir TEST CURVE #27 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3011 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD) P&CS MEMO 80-186 (F/

QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QUAL PLAN HT 4/81 FE 4/81

Equipment No PS1360-9A
 Description PRESSURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model BARKSDALE B2T-A12SS 13609A
 Safety Function 2 RCIC ISO PBOC TERM
 Plant Location 1.7 C2257B
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) -PBOC-6 RAD-NONE not required during loca
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD) P&CS MEMO 80-186 (F/

QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QUAL PLAN HT 4/81 FE 4/81

Equipment No PS1360-9B
 Description PRESSURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model BARKSDALE B2T-1A2SS 13609B
 Safety Function 2 RCIC ISO PBOC TERM
 Plant Location 1.7 C2257B
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) -PBOC-6 RAD-NONE not required during loca
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT

Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/

QUAL. STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QVAL PLAN HT 4/81 FE 4/81

Equipment No PS1360-9C
 Description PRESSURE SWITCH M245
 System RCIC CNIM ISOLATION
 Man/Model BARKSDALE B2T-1A25S 13609C
 Safety Function 2 RCIC ISO PBOC TERM

Plant Location 1.7 C2257B
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) -PBOC-6 RAD-NONE not required during loca
 Qual Envir TEST CURVE #26 RAD-1X10E6

Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/

QUAL. STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QVAL PLAN HT 4/81 FE 4/81

Equipment No PS1360-9D
 Description PRESSURE SWITCH M245
 System RCIC CNIM ISOLATION
 Man/Model BARKSDALE B2T-1A25S 13609D
 Safety Function 2 RCIC ISO PBOC TERM

Plant Location 1.7 C2257B
 Operating Time Req/Avail NR-LOCA R-PBOC-1 min
 DBE Env Req (F/#/%) -PBOC-6 RAD-NONE not required during loca
 Qual Envir TEST CURVE #26 RAD-1X10E6

Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/

QUAL. STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QVAL PLAN HT 4/81 FE 4/81

Equipment No PS1451A
 Description PRESSURE SWITCH M242
 System CORE SPRAY ADS
 Man/Model STATIC-O-RING 5N-AA3 70-11-1548
 Safety Function 10 CORE SPRAY-(ADS PERMISSIVE)

Plant Location 1.1 C2201
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%) -PBOC-5 RAD-5X10E4 loca dose only
 Qual Envir TEST CURVE #27 RAD-1X10E6

Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3011 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/

QUAL. STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QVAL PLAN HT 4/81 FE 4/81

Equipment No PS1451B
 Description PRESSURE SWITCH M242
 System CORE SPRAY ADS
 Man/Model STATIC-O-RING 5N-AA3 70-11-1555

Safety Function 10 CORE SPRAY-(ADS PERMISSIVE)
 Plant Location 1 2 C2260
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%) -PBOC-5 RAD-5X10E4 loca dose only
 Qual Envir TEST CURVE #27 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3011 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/
 #/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QUAL PLAN HT 4/81 FE 4/81

Equipment No PS1464A
 Description PRESSURE SWITCH M242
 System CORE SPRAY ADS
 Man/Model STATIC-O-RING 5N-AA3 70-10-1548
 Safety Function 10 CORE SPRAY-(ADS PERMISSIVE)
 Plant Location 1 1 C2201
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%) -PBOC-5 RAD-5X10E4 loca dose only
 Qual Envir TEST CURVE #27 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3011 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/
 #/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QUAL PLAN HT 4/81 FE 4/81

Equipment No PS1464B
 Description PRESSURE SWITCH M242
 System CORE SPRAY ADS
 Man/Model STATIC-O-RING 5N-AA3 71-B-206
 Safety Function 10 CORE SPRAY-(ADS PERMISSIVE)
 Plant Location 1 2 C2260
 Operating Time Req/Avail R-8 hr
 DBE Env Req (F/#/%) -PBOC-5 RAD-5X10E4 loca dose only
 Qual Envir TEST CURVE #27 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3011 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/
 #/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QUAL PLAN HT 4/81 FE 4/81

Equipment No PS2301-2368A
 Description PRESS SWITCH M244
 System HPCI
 Man/Model MERCROID DA23-804 30749813
 Safety Function 4 HPCI TURBINE TRIP LOGIC
 Plant Location 1 4 C2250
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) -NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%) -NOT REQUIRED RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DGR

Equipment No	PS2301-2368B
Description	PRESS SWITCH M244
System	HPCI
Man/Model	MERCOID DA23-804
Safety Function	4 HPCI TURBINE TRIP LOGIC
Plant Location	1.4 C2250
Operating Time Req/Avail	R-5 hr
DBE Env Req	(F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
Qual Envir	(F/#/%) - NOT REQUIRED RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification	EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
Supporting Document	P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD)
QUAL STATUS	DOR
Equipment No	PS2301-2389A
Description	PRESSURE SWITCH M243
System	HPCI
Man/Model	BARKSDALE PIH-M855SV
Safety Function	4 HPCI SUPPORT LOW PRESSURE TRIP
Plant Location	1.2 C2257A
Operating Time Req/Avail	R-5 hr
DBE Env Req	(F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
Qual Envir	TEST CURVE #34 RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification	EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD) TEST/SEQUENTIAL/SIMILAR (F/#/%)
Supporting Document	P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD) GE LTR G-HK-0-79 & SUMMARY N5E80188 (F/#/%)
QUAL STATUS	DOR
Equipment No	PS2301-2389B
Description	PRESSURE SWITCH M243
System	HPCI
Man/Model	BARKSDALE PIH-M855SV
Safety Function	4 HPCI SUPPORT LOW PRESS TRIP
Plant Location	1.2 C2257A
Operating Time Req/Avail	R-5 hr
DBE Env Req	(F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
Qual Envir	TEST CURVE #34 RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification	EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD) TEST/SEQUENTIAL/SIMILAR (F/#/%)
Supporting Document	P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD) GE LTR G-HK-0-79 & SUMMARY N5E80188 (F/#/%)
QUAL STATUS	DOR
Equipment No	PS2301-2389C
Description	PRESSURE SWITCH M243
System	HPCI
Man/Model	BARKSDALE PIH-M855SV
Safety Function	4 HPCI SUPPORT LOW PRESS TRIP
Plant Location	1.2 C2257A
Operating Time Req/Avail	R-5 hr
DBE Env Req	(F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
Qual Envir	TEST CURVE #34 RAD-1X10E6
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification	EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD) TEST/SEQUENTIAL/SIMILAR (F/#/%)
Supporting Document	P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD) GE LTR G-HK-0-79 & SUMMARY N5E80188 (F/#/%)
QUAL STATUS	DOR
Equipment No	PS2301-2389D
Description	PRESSURE SWITCH M243

System HPCI
 Man/Model BARKSDALE PIH-M85SSV
 Safety Function 4 HPCI SUPPORT LOW PRESS TRIP
 Plant Location 1.2 C2257A
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #34 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD) TEST/SEQUENTIAL/SIMILAR (F/#/%)
 Supporting Document P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) GE LTR G-HK-0-79 & SUMMARY NSEB0188 (F/#/%)
 QUAL STATUS DOR

Equipment No PS2360-1
 Description PRESS SWITCH M244
 System HPCI
 Man/Model BARKSDALE D2H-A150-SS
 Safety Function 4 HPIC TURBINE TRIP LOGIC
 Plant Location 1.4 C2250
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3046 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS261-23A
 Description PRESSURE SWITCH M252
 System RHR CNTM ISOLATION
 Man/Model BARKSDALE B2T-A12SS
 Safety Function 4A/4B/2 CLOSE SHUTDOWN SYS & HD SPR ISO VALVE
 Plant Location 1.8 C2207
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QUAL PLAN HT 7/81 FE 7/81

Equipment No PS261-23B
 Description PRESSURE SWITCH M252
 System RHR CNTM ISOLATION
 Man/Model BARKSDALE B2T-A12SS
 Safety Function 4A/4B/2 CLOSE SHUTDOWN SYS & HD SPR ISO VALVE
 Plant Location 1.8 C2207
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCD FINAL EVALUATION TO VERIFY ACCEPTABILITY OF GENERIC TRANSIENT HIGH TEMPERATURE STUDY
 QUAL PLAN HT 7/81 FE 7/81

Equipment No PS263-49A
 Description PRESSURE SWITCH M253
 System RHR
 Man/Model BARKSDALE B2T-M12SS
 Safety Function 4A LOOP SELECTION
 Plant Location 1 11 C2205
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) -NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS263-49B
 Description PRESSURE SWITCH M253
 System RHR
 Man/Model BARKSDALE B2T-M12SS
 Safety Function 4A LOOP SELECTION
 Plant Location 1 12 C2206
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) -NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS263-50A
 Description PRESSURE SWITCH M253
 System RHR
 Man/Model BARKSDALE B2T-M12SS
 Safety Function 4A LOOP SELECTION
 Plant Location 1 11 C2205
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) -NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS263-50B
 Description PRESSURE SWITCH M253
 System RHR
 Man/Model BARKSDALE B2T-M12SS
 Safety Function 4A LOOP SELECTION
 Plant Location 1 12 C2206
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) -NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS263-51A
 Description PI JRE CH 53

System RPS
 Man/Model BARKSDALE B2T-A12SS
 Safety Function 1 SCRAM BYPASS PERM
 Plant Location 1 11 C2205
 Operating Time Req/Avail R-LOCA-1 min R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS263-51B
 Description PRESSURE SWITCH M253
 System RPS
 Man/Model BARKSDALE B2T-A12SS
 Safety Function 1 SCRAM BYPASS
 Plant Location 1 11 LOCAL MNTD
 Operating Time Req/Avail R-LOCA-1 min R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS263-51C
 Description PRESSURE SWITCH M253
 System RPS
 Man/Model BARKSDALE B2T-A12SS
 Safety Function 1 SCRAM BYPASS PERM
 Plant Location 1 12 C2206
 Operating Time Req/Avail R-LOCA-1 min R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS263-51D
 Description PRESSURE SWITCH M253
 System RPS
 Man/Model BARKSDALE B2T-A12SS
 Safety Function 1 SCRAM BYPASS PERM
 Plant Location 1 12 C2206
 Operating Time Req/Avail R-LOCA-1 min R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS263-52A
 Description PRESSURE SWITCH M253
 Man/Model BARKSDALE B2T-M12SS

Safety Function 4/4A/4B C.S. & RHR VLV OPEN PERM
 Plant Location 1.11 C2205
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DQR

Equipment No PS263-52B
 Description PRESSURE SWITCH M253
 System RHR CORE SPRAY
 Man/Model BARTON 288A 288A-6694S
 Safety Function 4/4A/4B C.S. & RHR VLV OPEN PERM.
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #24 TEST CURVE #25 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3009 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DQR

Equipment No PS263-53A
 Description PRESSURE SWITCH M253
 System RHR CORE SPRAY
 Man/Model BARKSDALE B2T-M125S
 Safety Function 4/4A/4B C.S. & RHR PP. PERM.
 Plant Location 1.11 C2205
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DQR

Equipment No PS263-53B
 Description PRESSURE SWITCH M253
 System RHR CORE SPRAY
 Man/Model BARKSDALE B2T-M125S 26353B
 Safety Function 4/4A/4B C.S. & RHR PP. PERM.
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DQR

Equipment No PS263-55A
 Description PRESSURE SWITCH M253
 System RPS
 Man/Model BARKSDALE B2T-A125S
 Safety Function 1 SCRAM - HI. PRESS. RX.
 Plant Location 1.11 C2205

Operating Time Req/Avail R-LOCA-1 min R-PBDC-30 min
 DBE Env Req (F/#/%) -PBDC-2 RAD-NONE not exposed to pos -loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DGR

Equipment No PS263-55B
 Description PRESSURE SWITCH M253
 System RPS
 Man/Model BARKSDALE B2T-A12SS
 Safety Function 1 SCRAM - HI PRESS RX
 Plant Location 1.11 C2205
 Operating Time Req/Avail R-LOCA-1 min R-PBDC-30 min
 DBE Env Req (F/#/%) -PBDC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DGR

Equipment No PS263-55C
 Description PRESSURE SWITCH M253
 System RPS
 Man/Model BARKSDALE B2T-A12SS
 Safety Function 1 SCRAM - HI PRESS RX
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-LOCA-1 min R-PBDC-30 min
 DBE Env Req (F/#/%) -PBDC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DGR

Equipment No PS263-55D
 Description PRESSURE SWITCH M253
 System RPS
 Man/Model BARKSDALE B2T-A12SS
 Safety Function 1 SCRAM - HI PRESS RX
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-LOCA-1 min R-PBDC-30 min
 DBE Env Req (F/#/%) -PBDC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DGR

Equipment No PS503A
 Description PRESSURE SWITCH M207
 System MAIN STEAM RPS
 Man/Model BARKSDALE DIT-H18SS
 Safety Function 1 SCRAM-COND. LOW VAC
 Plant Location 2 11A LOCAL MNTD
 Operating Time Req/Avail NR-LOCA NR-PBDC
 DBE Env Req (F/#/%) -NONE not required for pboc RAD-NONE not required during loca

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/80) OUTSIDE CONTAINMENT EQUIPMENT EVALUATION LIST PAGE 70

Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C302B (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD)
 QUAL STATUS DQR

Equipment No PS503B
 Description PRESSURE SWITCH M207
 System MAIN STEAM RPS
 Man/Model BARKSDALE D1T-H185S
 Safety Function 1 SCRAM-COND LOW VAC
 Plant Location 2 11A LOCAL MNTD
 Operating Time Req/Avail NR-LOCA NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not required during loca
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C302B (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD)
 QUAL STATUS DQR

Equipment No PS503C
 Description PRESSURE SWITCH M207
 System MAIN STEAM RPS
 Man/Model BARKSDALE D1T-H185S
 Safety Function 1 SCRAM-COND LOW VAC
 Plant Location 2 12A LOCAL MNTD
 Operating Time Req/Avail NR-LOCA NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not required during loca
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C302B (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD)
 QUAL STATUS DQR

Equipment No PS503D
 Description PRESSURE SWITCH M207
 System MAIN STEAM RPS
 Man/Model BARKSDALE D1T-H185S
 Safety Function 1 SCRAM-COND LOW VAC
 Plant Location 2 12A LOCAL MNTD
 Operating Time Req/Avail NR-LOCA NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not required during loca
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C302B (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-23B (RAD)
 QUAL STATUS DQR

Equipment No PS504A
 Description PRESSURE SWITCH M203
 System MAIN STEAM RPS
 Man/Model BARKSDALE B2T-A125S
 Safety Function 1 SCRAM-TURB VLV FAST CLOSURE
 Plant Location 2 11 LOCAL MNTD
 Operating Time Req/Avail NR-LOCA NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not required during loca
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT

Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS504B
 Description PRESSURE SWITCH M203
 System MAIN STEAM RPS
 Man/Model BARKSDALE B2T-A125S
 Safety Function 1 SCRAM-TURB VLV FAST CLOSURE
 Plant Location 2 11 LOCAL MNTD
 Operating Time Req/Avail NR-LOCA NR-PBCC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD—NONE not required during loca
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM—NOT SIGNIFICANT MECH—NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS504C
 Description PRESSURE SWITCH M203
 System MAIN STEAM RPS
 Man/Model BARKSDALE B2T-A125S
 Safety Function 1 SCRAM-TURB VLV FAST CLOSURE
 Plant Location 2 11 LOCAL MNTD
 Operating Time Req/Avail NR-LOCA NR-PBCC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD—NONE not required during loca
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM—NOT SIGNIFICANT MECH—NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS504D
 Description PRESSURE SWITCH M203
 System MAIN STEAM RPS
 Man/Model BARKSDALE B2T-A125S
 Safety Function 1 SCRAM-TURB VLV FAST CLOSURE
 Plant Location 2 12 LOCAL MNTD
 Operating Time Req/Avail NR-LOCA NR-PBCC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD—NONE not required during loca
 Qual Envir TEST CURVE #26 RAD-1X10E6
 Aging THERM—NOT SIGNIFICANT MECH—NOT SIGNIFICANT
 Method of Qualification TEST/SIMILAR (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3010 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS512A
 Description PRESSURE SWITCH M241
 System RPS SEC CNTM ISOLATION
 Man/Model STATIC-O-RING 12N-AA4-PP 69-11-112
 Safety Function 1/3 SCRAM PERM./SEC. CNTM. INIT
 Plant Location 1 14 C129A
 Operating Time Req/Avail R-LOCA-1 min R-PBCC-30 min
 DBE Env Req (F/#/%)—PBCC-2 RAD—NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #28 RAD-1X10E6
 Aging THERM—NOT SIGNIFICANT MECH—NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document GE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)

QUAL STATUS DOR

Equipment No PS512B
 Description PRESSURE SWITCH M241
 System RPS SEC CNTM ISOLATION
 Man/Model STATIC-O-RING 12N-AA4-PP 69-11-103
 Safety Function 1/3 SCRAM PERM./SEC. CNTM. INIT.
 Plant Location 1.14 C129B
 Operating Time Req/Avail R-LOCA-1 min R-PBQC-30 min
 DBE Env Req (F/#/%) - PBQC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #2B RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document OE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS512C
 Description PRESSURE SWITCH M241
 System RPS SEC CNTM ISOLATION
 Man/Model STATIC-O-RING 12N-AA4-PP 69-11-108
 Safety Function 1/3 SCRAM PERM./SEC. CNTM. INIT.
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-LOCA-1 min R-PBQC-30 min
 DBE Env Req (F/#/%) - PBQC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #2B RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document OE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS512D
 Description PRESSURE SWITCH M241
 System RPS SEC CNTM ISOLATION
 Man/Model STATIC-O-RING 12N-AA4-PP 69-11-107
 Safety Function 1/3 SCRAM PERM./SEC. CNTM. INIT.
 Plant Location 1.12 C2206
 Operating Time Req/Avail R-LOCA-1 min R-PBQC-30 min
 DBE Env Req (F/#/%) - PBQC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #2B RAD-1X10E6
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST (F/#/%) EVALUATION/UTILITY (AGING) GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document OE RPT 145C3012 (F/#/%) P&CS MEMO 80-202 (AGING) P&CS MEMO 80-238 (RAD)
 QUAL STATUS DOR

Equipment No PS8135
 Description PRESSURE SWITCH FAN CONTROL CKT M294
 System STANDBY GAS TREATMENT
 Man/Model MERCROID AP7021-153 3759
 Safety Function 13 STANDBY GAS TREATMENT
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA-30 day NR-PBQC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-5 BX10E6
 Qual Envir (F/#/%) - NOT REQUIRED outstanding item (RAD)
 Aging outstanding item
 QUAL STATUS NYQ NOT ESSENTIAL TO SGTS OPERATION. MANUAL CONTROL AVAILABLE
 QUAL PLAN ER 11/81

Equipment No PS8136

Description PRESSURE SWITCH FAN CONTROL CKT. M294
 System STANDBY GAS TREATMENT
 Man/Model MERCOID AP7021-153 3760
 Safety Function 13 STANDBY GAS TREATMENT
 Plant Location 1 23
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-5. 8X10E6
 Qual Envir (F/#/%) - NOT REQUIRED outstanding item (RAD)
 Aging outstanding item
 QUAL STATUS NY3 NOT ESSENTIAL TO SYSTEM OPERATION. MANUAL CONTROL AVAILABLE
 QUAL PLAN FR 11/81

Equipment No PT1001-600A
 Description PRESSURE TRANSMITTER
 System SAFETY RELATED DISPLAY
 Man/Model ROSEMOUNT 1152GP7E22T0280PB
 Safety Function 11 DRYWELL PRESSURE
 Plant Location 1 14
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #38 RAD-1.2X10E7
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEPARATE
 Supporting Document ROSEMOUNT REPORT #117415 (F/#/%/AGING) ROSEMOUNT REPORT #10763 (RAD)
 QUAL STATUS NY1

Equipment No PT1001-600B
 Description PRESSURE TRANSMITTER
 System SAFETY RELATED DISPLAY
 Man/Model ROSEMOUNT 1152GP7E22T0280PB
 Safety Function 11 DRYWELL PRESSURE
 Plant Location 1 14
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #38 RAD-1.2X10E7
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEPARATE
 Supporting Document ROSEMOUNT REPORT #117415 (F/#/%/AGING) ROSEMOUNT REPORT #10763 (RAD)
 QUAL STATUS NY1

Equipment No PT1001-601A
 Description PRESSURE TRANSMITTER
 System SAFETY RELATED DISPLAY
 Man/Model ROSEMOUNT 1152AP5E22T0280PB
 Safety Function 11 DRYWELL PRESSURE
 Plant Location 1 14
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #38 RAD-1.2X10E7
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEPARATE
 Supporting Document ROSEMOUNT REPORT #117415 (F/#/%/AGING) ROSEMOUNT REPORT #10763 (RAD)
 QUAL STATUS NY1

Equipment No PT1001-601B
 Description PRESSURE TRANSMITTER
 System SAFETY RELATED DISPLAY
 Man/Model ROSEMOUNT 1152AP5E22T0280PB

Safety Function 11 DRYWELL PRESSURE
 Plant Location 1 14
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #38 RAD-1.2X10E7
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEPARATE
 Supporting Document ROSEMOUNT REPORT #117415 (F/#/%/AGING) ROSEMOUNT REPORT #10763 (RAD)
 QUAL STATUS NYI

Equipment No PT647A
 Description PRESSURE XMTR
 System SAFETY RELATED DISPLAY
 Man/Model GE 551 4532K11001
 Safety Function 11 RX VESSEL PRESSURE
 Plant Location 1 11 C2205
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir IN EXCESS OF REQUIRED (F/#/%) RAD-NOT REQUIRED
 Aging outstanding item
 Method of Qualification TEST (F/%) GENERIC EVALUATION/UTILITY (#/AGING)
 Supporting Document GE RPT 145C3006 (F/%) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN AA 4/81 HT 4/81 FE 4/81

Equipment No PT647B
 Description PRESSURE XMTR
 System SAFETY RELATED DISPLAY
 Man/Model GE 551 FF2220-05326
 Safety Function 11 RX VESSEL PRESSURE
 Plant Location 1 12 C2206
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir IN EXCESS OF REQUIRED (F/#/%) RAD-NOT REQUIRED
 Aging outstanding item
 Method of Qualification TEST (F/%) GENERIC EVALUATION/UTILITY (#/AGING)
 Supporting Document GE RPT 145C3006 (F/%) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN AA 4/81 HT 4/81 FE 4/81

Equipment No PT9016
 Description PRESSURE TRANSMITTER M227
 System SAFETY RELATED DISPLAY CNIM ATMOS CONTROL
 Man/Model GE 553133BN223
 Safety Function 11 DRYWELL PRESSURE INDICATION
 Plant Location 1 14
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir IN EXCESS OF REQUIRED (F/#/%) RAD-NOT REQUIRED
 Method of Qualification GENERIC EVALUATION/UTILITY (F/#/%)
 Supporting Document P&CS MEMO 80-186 (F/#/%)
 Notes NEW INSTRUMENTS TO BE INSTALLED AS PART OF CAT. B
 QUAL STATUS JCO NOT ESSENTIAL TO SYSTEM OPERATION. SAFETY FUNCTION TO BE TRANSFERRED TO IMI CAT B INSTRUMENT TO BE INSTALLED 1/81.
 QUAL PLAN ER 1/81

Equipment No PT9017
 Description PRESSURE TRANSMITTER M-227

System SAFETY RELATED DISPLAY CNTM ATMOS CONTROL
 Man/Model GE 553122BN223
 Safety Function 11 DRYWELL PRESSURE
 Plant Location 1 12
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir IN EXCESS OF REQUIRED (F/#/%) RAD-NOT REQUIRED
 Method of Qualification GENERIC EVALUATION/UTILITY (F/#/%)
 Supporting Document P&CS MEMO 80-186 (F/#/%)
 Notes NEW INSTRUMENTS TO BE INSTALLED AS PART OF TMI CAT B
 QUAL STATUS JCO NOT ESSENTIAL TO SYSTEM OPERATION SAFETY FUNCTION TO BE TRANSFERED TO TMI CAT B INSTRUMENT TO BE INSTAL

LED 1/81.

QUAL PLAN ER 1/81

Equipment No PT9046
 Description PRESSURE TRANSMITTER
 System SAFETY RELATED DISPLAY CNTM ATMOS CONTROL
 Man/Model GE 553122BN223 4532K13001
 Safety Function 11 DRYWELL PRESSURE
 Plant Location 1 14
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir IN EXCESS OF REQUIRED (F/#/%) RAD-NOT REQUIRED
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (F/#/%)
 Supporting Document P&CS MEMO 80-186 (F/#/%)
 Notes NEW INSTRUMENTS TO BE INSTALLED AS PART OF TME CAT B
 QUAL STATUS JCO NOT ESSENTIAL TO SYSTEM OPERATION SAFETY FUNCTION TO BE TRANSFERED TO TMI CAT B INSTRUMENT 1/81.
 QUAL PLAN ER 1/81

Equipment No RE1001-606A
 Description RADIATION DETECTOR
 System SAFETY RELATED DISPLAY
 Safety Function 11 DRYWELL RADIATION
 Plant Location 1 10
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - NOT REQUIRED
 QUAL STATUS NYI
 QUAL PLAN FT 1/81 FE 1/81

Equipment No RE1001-606B
 Description RADIATION DETECTOR
 System SAFETY RELATED DISPLAY
 Safety Function 11 DRYWELL RADIATION
 Plant Location 1 10
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - NOT REQUIRED
 QUAL STATUS NYI
 QUAL PLAN FT 1/81 FE 1/81

Equipment No RE1001-607A
 Description RADIATION DETECTOR
 System SAFETY RELATED DISPLAY
 Safety Function 11 TORUS RADIATION
 Plant Location TORUS AREA
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC

DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%) - NOT REQUIRED
 QUAL STATUS NYI
 QUAL PLAN FT 1/81 FE 1/81

Equipment No RE1001-607B
 Description RADIATION DETECTOR
 System SAFETY RELATED DISPLAY
 Safety Function 11 TORUS RADIATION
 Plant Location TORUS AREA
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%) - NOT REQUIRED
 QUAL STATUS NYI
 QUAL PLAN FT 1/81 FE 1/81

Equipment No S1
 Description 2/C #16 TWISTED SHIELDED PAIR
 System ELECTRICAL DISTRIBUTION
 Man/Model VARIOUS OKONITE or BERKSHIRE or S MOORE or CONTINENTAL POLYETHYLENE INSULATION PVC JACK
 ET
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBOC-1 in area 1.10B assumed worst case RAD-6.2X10E5
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-5X10E6
 Aging outstanding item
 Method of Qualification EVALUATION/UTILITY based on other TEST/SIMILAR eqpt
 Supporting Document P&CS MEMO #80-12
 QUAL STATUS DOR-A
 QUAL PLAN AA 6/81 FE 6/81

Equipment No S3
 Description 3/C #16 SHIELDED
 System ELECTRICAL DISTRIBUTION
 Man/Model BOSTON INSULATED WIRE BOSTRAD
 Safety Function 12 ELECTRICAL DISTRIBUTION
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day ASSUMED
 DBE Env Req (F/#/%) - PBOC-1 in area 1.10B assumed worst case RAD-6.2X10E5
 Qual Envir TEST CURVE #31 RAD-4X10E8
 Aging THERMAL-168 hrs 121C
 Method of Qualification TEST/SEPARATE/SIMILAR
 Supporting Document BOSTON INSULATED WIRE RPT B901
 QUAL STATUS DOR-A
 QUAL PLAN AA 6/81 FE 6/81

Equipment No S0117
 Description SOLENOID VALVE (TYP. OF 145) M250 (919D615)
 System CRD SCRAM SYSTEM
 Man/Model ASCO HVA-90-405
 Safety Function 1 SCRAM SOLENOID
 Plant Location 1.9 1.10
 Operating Time Req/Avail R-LOCA-1 min R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #41 RAD-6.5X10E4
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification EVALUATION/SIMILAR/VENDOR

Supporting Document	GE LTR TO BECo Q-HK-9-72 6/5/79	EPRI/BWR QSR-097-A-01 (F/#/X)	EPRI/BWR QSR-097-A-02 (F/#/X) RAD
Notes	PM PROGRAM PER GE SIL128 REPLACES ALL AGE SENSITIVE COMPONENTS		
QUAL STATUS	DOR		
QUAL PLAN	FE 6/81		
Equipment No	80118		
Description	SOLENOID VALVE (TYP. OF 145) M250 (919D615)		
System	CRD SCRAM SYSTEM		
Man/Model	ASCO HVA-90-405		
Safety Function	1 SCRAM SOLENOIDS		
Plant Location	1.9 1.10		
Operating Time Req/Avail	R-LOCA-1 min R-PBOC-30 min		
DBE Env Req	(F/#/X)-PBOC-1 RAD-NONE not exposed to post-loca recirculation rad		
Qual Envir	TEST CURVE #41 RAD-6.5X10E4		
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT		
Method of Qualification	EVALUATION/SIMILAR/VENDOR		
Supporting Document	GE LTR TO BECo Q-HK-9-72 6/5/79	EPRI/BWR QSR-097-A-01 (F/#/X)	EPRI/BWR QSR-097-A-02 (F/#/X) RAD
Notes	PM PROGRAM PER GE SIL128 REPLACES ALL AGE SENSITIVE COMPONENTS		
QUAL STATUS	DOR		
QUAL PLAN	FE 6/81		
Equipment No	SV1301-12		
Description	SOLENOID VALVE FOR A01301-12 M246		
System	RCIC CNTH ISOLATION		
Man/Model	ASCO NPB320A184E		
Safety Function	2 RCIC ISOLATION		
Plant Location	1.5		
Operating Time Req/Avail	NR-LOCA NR-PBOC		
DBE Env Req	(F/#/X)-NONE not required for phoc RAD-6.2X10E5		
Qual Envir	TEST CURVE #13 RAD-2X10E8		
Aging	THERMAL-288 hrs 132C MECH-40000 CYCLES		
Method of Qualification	TEST/SEQUENTIAL		
Supporting Document	ASCO TEST RPT AQS21678/TR		
Notes	EXISTING VALVES (ASCO HT8320A22) TO BE REPLACED PRIOR TO 6/81 EXISTING VALVES QUALIFIED TO 4X10E		
QUAL STATUS	JCO	5 RADS PER ASCO LTR TO BPCo 4/26/79	
QUAL STATUS	JCO	REQUIRED RAD BASED ON PIPE CONTACT DOSE-ACTUAL DOSE AT SOV DETERMINED TO BE LSEE THAN 4X10E5	
Equipment No	SV1301-13		
Description	SOV FOR A01301-13 M246		
System	RCIC CNTH ISOLATION		
Man/Model	ASCO NPB320A184E		
Safety Function	2 RCIC ISOLATION		
Plant Location	1.5		
Operating Time Req/Avail	NR-LOCA NR-PBOC		
DBE Env Req	(F/#/X)-NONE not required for phoc RAD-6.2X10E5		
Qual Envir	TEST CURVE #13 RAD-2X10E8		
Aging	THERMAL-288 hrs 132C MECH-40000 CYCLES		
Method of Qualification	TEST/SEQUENTIAL		
Supporting Document	ASCO TEST RPT AQS21678/TR		
Notes	EXISTING VALVES (ASCO HT8320A22) TO BE REPLACED PRIOR TO 6/81 EXISTING VALVES QUALIFIED TO 4X10E		
QUAL STATUS	JCO	5 RADS PER ASCO LTR TO BPCo 4/26/79	
QUAL STATUS	JCO	REQUIRED RAD BASED ON PIPE CONTACT DOSE-ACTUAL DOSE AT SOV DETERMINED TO BE LSEE THAN 4X10E5	
Equipment No	SV1301-34		
Description	SOLENOID VALVE FOR A01301-34 M245		
System	RCIC CNTH ISOLATION		

Man/Model ASCO NP8320A184E
 Safety Function 2 RCIC STM DRAIN ISO
 Plant Location 1.5
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO HT8320A22) TO BE REPLACED PRIOR TO 6/81 EXISTING VALVES QUALIFIED TO 4X10E
 5 RADS PER ASCO LTR TO BPCo 4/26/79

QUAL STATUS JCO REQUIRED RAD BASED ON PIPE CONTACT DOSE-ACTUAL DOSE AT SOV DETERMINED TO BE LSEE THAN 4X10E5

Equipment No SV1301-35
 Description SOV FOR A01301-35 M245
 System RCIC CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 RCIC STM LINE DRAIN ISO
 Plant Location 1.5
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO HT8320A22) TO BE REPLACED PRIOR TO 6/81 EXISTING VALVES QUALIFIED TO 4X10E
 5 RADS PER ASCO LTR TO BPCo 4/26/79

QUAL STATUS JCO REQUIRED RAD BASED ON PIPE CONTACT DOSE-ACTUAL DOSE AT SOV DETERMINED TO BE LSEE THAN 4X10E5

Equipment No SV1301-71
 Description SOLENOID VALVE FOR A0 1301-71 M245
 System RCIC CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 TEST CHECK BYPASS
 Plant Location STEAM TUNNEL
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO HT8320A22) TO BE REPLACED PRIOR TO 6/81 EXISTING VALVES QUALIFIED TO 4X10E
 5 RADS PER ASCO LTR TO BPCo 4/26/79

QUAL STATUS JCO REQUIRED RAD BASED ON PIPE CONTACT DOSE-ACTUAL DOSE AT SOV DETERMINED TO BE LSEE THAN 4X10E5

Equipment No SV220-45
 Description SOLENOID VALVE FOR A0 220-45 M252
 System REACTOR RECIRCULATION SYSTEM CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 SAMPLE SYS ISOLATION
 Plant Location 1.11A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day R-PBOC(A)-30 min R-PBOC(P)-30 day
 DBE Env Req (F/#/%) - PBOC-2 RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR

QUAL STATUS DOR

Equipment No SV2301-29
Description SOLENOID VALVE M243
System HPCI CNTM ISOLATION
Man/Model ASCO NP8320A184E
Safety Function 2/4 HPCI DRAIN TO MAIN COND
Plant Location 1.3
Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-5 hr NR-PBOC
DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
Qual Envir TEST CURVE #13 RAD-2X10E8
Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
Method of Qualification TEST/SEQUENTIAL
Supporting Document ASCO TEST RPT AQS21678/TR
Notes EXISTING VALVES (ASCO HT8320A22) TO BE REPLACED PRIOR TO 6/81 EXISTING VALVES QUALIFIED TO 4X10E
5 RADS PER ASCO LTR TO BPCo 4/26/79
QUAL STATUS JCO REQUIRED RAD BASED ON PIPE CONTACT DOSE-ACTUAL DOSE AT SOV DETERMINED TO BE LSEE THAN 4X10E5

Equipment No SV2301-30
Description SOV FOR A02301-30 M243
System HPCI CNTM ISOLATION
Man/Model ASCO NP8320A184E 125VDC
Safety Function 2/4 HPCI DRAIN TO MN. CONDENSER
Plant Location 1.3
Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-5 hr NR-PBOC
DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
Qual Envir TEST CURVE #13 RAD-2X10E8
Aging THERMAL-288 hrs 132C MECH-4000 CYCLES
Method of Qualification TEST/SEQUENTIAL
Supporting Document ASCO TEST RPT AQS21678/TR
Notes EXISTING VALVES (ASCO HT8320A22) TO BE REPLACED PRIOR TO 6/81 EXISTING VALVES QUALIFIED TO 4X10E
5 RADS PER ASCO LTR TO BPCo 4/26/79
QUAL STATUS JCO REQUIRED RAD BASED ON PIPE CONTACT DOSE-ACTUAL DOSE AT SOV DETERMINED TO BE LSEE THAN 4X10E5
QUAL PLAN ER 11/81

Equipment No SV2301-31
Description SOV FOR A02301-31 M243
System HPCI
Man/Model ASCO NP8320A184E 120 VDC
Safety Function 4 HPCI DRAIN POT LEVEL CONTROL
Plant Location 1.3
Operating Time Req/Avail NR-LOCA NR-PBOC
DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
Qual Envir TEST CURVE #13 RAD-2X10E8
Aging THERMAL - 288 HRS 132C MECH - 4000 CYCLES
Method of Qualification TEST/SEQUENTIAL
Supporting Document ASCO TEST RPT AQS21678/TR
Notes EXISTING VALVES (ASCO HT8320A22) TO BE REPLACED PRIOR TO 6/81 EXISTING VALVES QUALIFIED TO 4X10E
5 RADS PER ASCO LTR TO BPCo 4/26/79
QUAL STATUS JCO REQUIRED RAD BASED ON PIPE CONTACT DOSE-ACTUAL DOSE AT SOV DETERMINED TO BE LSEE THAN 4X10E5
QUAL PLAN ER 11/81

Equipment No SV2301-32
System HPCI
Man/Model ASCO NP8320A184E 120 VDC
Safety Function 2/4 HPCI TURBINE EXHAUST DRAIN
Plant Location 1.3
Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-5 hr NR-PBOC
Qual Envir TEST CURVE #13 RAD - 2X10E8

Aging THERMAL - 288 HRS 132C MECH - 4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS NYQ
 QUAL PLAN ER 11/81

Equipment No SV2301-64
 Description SOLENOID VALVE M244
 System HPCI CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2/4 HPCI GLAND SEAL DRAIN
 Plant Location 1.3
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-5 hrs NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO HT8320A22) TO BE REPLACED PRIOR TO 6/81 EXISTING VALVES QUALIFIED TO 4X10E
 5 RADS PER ASCO LTR TO BPCo 4/26/79
 QUAL STATUS JCO REQUIRED RAD BASED ON PIPE CONTACT DOSE-ACTUAL DOSE AT SOV DETERMINED TO BE LSEE THAN 4X10E5

Equipment No SV2301-65
 Description SOV FOR A02301-65 M244
 System HPCI CNTM ISOLATION
 Man/Model ASCO NP8320A184E 120 VDC
 Safety Function 2/4 HPCI GLAND SEAL TO CRW
 Plant Location 1.3
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-5 hrs NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL - 288 HRS 132C MECH - 4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS NYQ
 QUAL PLAN ER 11/81

Equipment No SV2301-9312
 Description SOLENOID VALVE FOR A0 9312 M243
 System HPCI CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 N2 SUPPLY TO HPCI
 Plant Location 1.3
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-5 hrs NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV2301-7313
 Description SOLENOID VALVE FOR A0 9313 M243
 System HPCI CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 N2 SUPPLY TO HPCI

Plant Location	1.3		
Operating Time Req/Avail	R-LOCA(A)-1 min	R-LOCA(P)-5 hr	NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for ploc RAD-6 2X10E5		
Qual Envir	TEST CURVE #13	RAD-2X10E8	
Aging	THERMAL-288 hrs 132C	MECH-40000 CYCLES	
Method of Qualification	TEST/SEQUENTIAL		
Supporting Document	ASCO TEST RPT AQS21678/TR		
QUAL STATUS	DOR		
Equipment No	SV2301-94		
Description	SOLENOID VALVE M243		
System	HPCI CNTM ISOLATION		
Man/Model	ASCO NP8320A184E		
Safety Function	2 HPCI/CHK. BYPASS		
Plant Location	STEAM TUNNEL		
Operating Time Req/Avail	R-LOCA(A)-1 min	R-LOCA(P)-5 hrs	NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-6 2X10E5		
Qual Envir	TEST CURVE #13	RAD-2X10E8	
Aging	THERMAL-288 hrs 132C	MECH-40000 CYCLES	
Method of Qualification	TEST/SEQUENTIAL		
Supporting Document	ASCO TEST RPT AQS21678/TR		
Notes	EXISTING VALVES (ASCO HT8320A22) TO BE REPLACED PRIOR TO 6/81 EXISTING VALVES QUALIFIED TO 4X10E		
	5 RADS PER ASCO LTR TO BPCo 4/26/79		
QUAL STATUS	JCO	REQUIRED RAD BASED ON PIPE CONTACT DOSE-ACTUAL DOSE AT SOV DETERMINED TO BE LSEE THAN 4X10E5	
Equipment No	SV302-19A		
Description	SOV M250		
System	CRD SCRAM SYSTEM		
Man/Model	ASCO WP-LB-831636 (MODIFIED)		
Safety Function	1 SCRAM		
Plant Location	1.8		
Operating Time Req/Avail	R-LOCA-1 min	R-PBOC-30 min	
DBE Env Req	(F/#/%) - PBOC-5 RAD-less than 1X10E4 loca dose only		
Qual Envir	IN EXCESS OF REQUIRED (F/#/%) RAD-4X10E5		
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT		
Method of Qualification	OPERATING EXPERIENCE/GE	EVALUATION/SIMILAR/VENDOR (RAD)	GENERIC EVALUATION/UTILITY (F/#/%)
Supporting Document	GE LTR TO BECo G-HK-9-72 6/5/79	P&CS MEMO 80-186 (F/#/%)	ASCO LTR TO BECO 4/26/79 (RAD)
QUAL STATUS	JCO	FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC INFORMATION	
QUAL PLAN	AA 4/81	RA 4/81	HT 7/81 FE 9/81
Equipment No	SV302-19B		
Description	SOV M250		
System	CRD SCRAM SYSTEM		
Man/Model	ASCO WP-LB-831636 (MODIFIED)		
Safety Function	1 SCRAM		
Plant Location	1.8		
Operating Time Req/Avail	R-LOCA-1 min	R-PBOC-30 min	
DBE Env Req	(F/#/%) - PBOC-5 RAD-less than 1X10E4 loca dose only		
Qual Envir	IN EXCESS OF REQUIRED (F/#/%) RAD-4X10E5		
Aging	THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT		
Method of Qualification	OPERATING EXPERIENCE/GE	EVALUATION/SIMILAR/VENDOR (RAD)	GENERIC EVALUATION/UTILITY (F/#/%)
Supporting Document	GE LTR TO BECo G-HK-9-72 6/5/79	P&CS MEMO 80-186 (F/#/%)	ASCO LTR TO BECO 4/26/79 (RAD)
QUAL STATUS	JCO	FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC INFORMATION	
QUAL PLAN	AA 4/81	RA 4/81	HT 9/81 FE 9/81
Equipment No	SV302-20A		
Description	SOLENOID VALVE M250		
System	CRD SCRAM SYSTEM CNTM ISOLATION		

Man/Model ASCO HVA-90-405-2A
 Safety Function 2 SCRAM VOLUME ISO
 Plant Location 1.B
 Operating Time Req/Avail R-LOCA-1 min R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-5 RAD-less than 1×10^4 loca dose only
 Qual Envir TEST CURVE #41 RAD-6.5X10E4
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification OPERATING EXPERIENCE/GE EVALUATION/SIMILAR/VENDOR (RAD) GENERIC EVALUATION/UTILITY (F/#/%)
 Supporting Document GE LTR TO BECo G-HK-9-72 6/5/79 EPRI/BWR QSR-097-A-01 (F/#/%) EPRI/BWR QSR-097-A-02 (F/#/%)
) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN AA 4/81 HT 9/81 FE 9/81

Equipment No SV302-20B
 Description SOLENOID VALVE M250
 System CRD SCRAM SYSTEM CNTM ISOLATION
 Man/Model ASCO HVA-90-405-2A
 Safety Function 2 SCRAM VOLUME ISO
 Plant Location 1.B
 Operating Time Req/Avail R-LOCA-1 min R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-5 RAD-less than 1×10^4 loca dose only
 Qual Envir TEST CURVE #41 RAD-6.5X10E4
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification OPERATING EXPERIENCE/GE EVALUATION/SIMILAR/VENDOR (RAD) GENERIC EVALUATION/UTILITY (F/#/%)
 Supporting Document GE LTR TO BECo G-HK-9-72 6/5/79 EPRI/BWR QSR-097-A-01 (F/#/%) EPRI/BWR QSR-097-A-02 (F/#/%)
) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC TRANSIENT TEMPERATURE STUDY
 QUAL PLAN AA 4/81 HT 9/81 FE 9/81

Equipment No SV4044A
 Description AIR OPERATOR SOLENOID VALVE M215
 System RBCCW
 Man/Model ASCO NP8320A184E
 Safety Function 4C HPCI AREA COOLER
 Plant Location 1.3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR
 Notes EXISTING VALVES (ASCO HT8320A22) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 6/81 EXISTING
 VALVES QUALIFIED TO 4×10^5 RAD PER ASCO LTR
 QUAL STATUS DOR-A EXISTING VALVES QUALIFIED TO 4×10^5 RAD PER ASCO LTR TO BPCo 4/26/79
 QUAL PLAN ER 6/81

Equipment No SV40/4B
 Description AIR OPERATOR SOLENOID VALVE M215
 System RBCCW
 Man/Model ASCO NP8320A184E
 Safety Function 4C HPCI AREA COOLER
 Plant Location 1.3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR

Notes
 QUAL STATUS DOR-A EXISTING VALVES (ASCO HTB320A22) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 6/81 EXISTING
 QUAL PLAN ER 6/81 VALVES QUALIFIED TO 4X10E5 RAD PER ASCO LTR
 EXISTING VALVES QUALIFIED TO 4X10E5 RAD PER ASCO LTR TO BPCo 4/26/79

Equipment No SV5033A
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E
 Safety Function 2 DRYWELL N2 MAKEUP ISOLATION
 Plant Location 1.9C
 Operating Time Req/Avail R-LOCA-30 day NR PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR
 QUAL STATUS DOR

Equipment No SV5033B
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E
 Safety Function 2 DRYWELL PURGE SUPPLY
 Plant Location 1.9
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR
 QUAL STATUS DOR

Equipment No SV5033C
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E
 Safety Function 2 TORUS N2 MAKEUP ISOLATION
 Plant Location 1.9C
 Operating Time Req/Avail R-LOCA-30 day NR PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR
 QUAL STATUS DOR

Equipment No SV5035A
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E
 Safety Function 2 ISOLATE DRYWELL PURGE AIR
 Plant Location 1.9C
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL

Supporting Document ASCQ TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5035B
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 ISOLATION DRYWELL PURGE AIR
 Plant Location 1.9C
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCQ TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5036A
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 ISOLATE TORUS PURGE AIR
 Plant Location 1.9C
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCQ TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5036B
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 ISOLATE TORUS PURGE AIR
 Plant Location 1.9C
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCQ TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5040A
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION CNTM INTEGRITY
 Man/Model ASCO NP8320A184E
 Safety Function 2/2A TORUS VACUUM BREAKERS
 Plant Location 1.10A
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCQ TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5040B
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION CNTM INTEGRITY
 Man/Model ASCO NP8320A1B4E
 Safety Function 2/2A TORUS VACUUM BREAKERS
 Plant Location 1.10A
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5041A
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E
 Safety Function 2 ISOLATE TORUS NORMAL EXH
 Plant Location 1.10A
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5041B
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E
 Safety Function 2 ISOLATION TORUS NORMAL EXH.
 Plant Location 1.10A
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5042A
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E
 Safety Function 2 ISOLATE TORUS PURGE EXHAUST
 Plant Location 1.10A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5042B

Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 ISOLATE TORUS PURGE EXH.
 Plant Location 1.10A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5043A
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 CONT EXHAUST ISOLATION
 Plant Location 1.13A
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5043B
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 CONT EXHAUST ISOLATION
 Plant Location 1.13A
 Operating Time Req/Avail R-LOCA(A)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5044A
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 ISOLATE CONT PURGE EXIT
 Plant Location 1.13A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5044B
 Description AIR OPERATOR SOLENOID VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION

Man/Model ASCO NP8320A184E
 Safety Function 2 ISOLATE CONT PURGE EXH
 Plant Location 1.13A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5065-10
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A184E 120 VAC
 Safety Function 2 O2 ANALYZER SUPPLY ISOLATION
 Plant Location 1.13B
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-11
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A184E 120 VAC
 Safety Function 2 O2 ANALYZER SUPPLY ISOLATION
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5065-11A
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model VALCOR ENGR P/N 10417 V526-5295-12
 Safety Function 2 H2/O2 ANALYZER SUPPLY ISOLATION
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V877-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 10/81
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-12
 Description SOLENOID VALVE FOR CONTROL VALVE M227

System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E 120 VAC
 Safety Function 2 O2 ANALYZER SUPPLY ISOLATION
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-13
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E 120 VAC
 Safety Function 2 O2 ANALYZER SUPPLY ISOLATION
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-13B
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model VALCOR ENGR CORP P/N 10417 V526-5295-12
 Safety Function 11 POST LOCA MONITORING
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V877-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 10/81
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-14
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E 120 VAC
 Safety Function 2 O2 ANALYZER SUPPLY ISOLATION
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No	SV5065-14A
Description	CONTROL VALVE FOR H2/O2 ANALYZER
System	H2/O2 ANALYZER SAFETY RELATED DISPLAY
Man/Model	VALCOR ENGR CORP P/N 10417 V526-5295-12
Safety Function	2 H2/O2 ANALYZER SUPPLY ISOLATION
Plant Location	1 10
Operating Time Req/Avail	R-LOCA-30day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir	(F/#/%) - TEST CURVE #39 RAD-2X10E8
Aging	THERMAL-172hrs 318F MECH-7500 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ISOMEDIX TEST REPORT NO IFR-V877-01
Notes	TMI CAT B ITEMS--FUNCTIONAL BY 10/81
QUAL STATUS	NYI
QUAL PLAN	FE 2/81
Equipment No	SV5065-15
Description	SOLENOID VALVE FOR CONTROL VALVE M227
System	CNTM ATMOS CONTROL CNTM ISOLATION
Man/Model	ASCO NP8320A184E 120 VAC
Safety Function	2 O2 ANALYZER SUPPLY ISOLATION
Plant Location	1 10
Operating Time Req/Avail	R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir	TEST CURVE #13 RAD-2X10E8
Aging	THERMAL-288 hrs 132C MECH-40000 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ASCO TEST RPT AQS21678/TR
QUAL STATUS	DOR
Equipment No	SV5065-15B
Description	CONTROL VALVE FOR H2/O2 ANALYZER
System	CNTM ATMOS CONTROL CNTM ISOLATION
Man/Model	VALCOR ENGR CORP P/N 10417 V526-5295-12
Safety Function	2 H2/O2 ANALYZER SUPPLY ISOLATION
Plant Location	TORUS
Operating Time Req/Avail	R-LOCA-30day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-6.2X10E5
Qual Envir	(F/#/%) - TEST CURVE #39 RAD-2X10E8
Aging	THERMAL-172hrs 318F MECH-7500 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ISOMEDIX TEST REPORT NO IFR-V877-01
Notes	TMI CAT B ITEMS--FUNCTIONAL BY 10/81
QUAL STATUS	NYI
QUAL PLAN	FE 2/81
Equipment No	SV5065-16
Description	SOLENOID VALVE FOR CONTROL VALVE M227
System	CNTM ATMOS CONTROL CNTM ISOLATION
Man/Model	ASCO NP8320A184E
Safety Function	2 O2 ANALYZER SUPPLY ISOLATION
Plant Location	1 10A
Operating Time Req/Avail	R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-6.2X10E5
Qual Envir	TEST CURVE #13 RAD-2X10E8
Aging	THERMAL-288 hrs 132C MECH-40000 CYCLES
Method of Qualification	TEST/SEQUENTIAL

79-01B PILGRIM UNIT 1 FINAL RESPONSE (11/79) OUTSIDE CONTAINMENT EQUIPMENT EVALUATION LIST P. 90

Supporting Document ASCO TEST RPT AGS21678/TR
 Notes EXISTING VALVES (ASCO HTB320A22) TO BE REPLACED PRIOR TO 6/81 EXISTING VALVES QUALIFIED TO 4X10E
 5 RADS PER ASCO LTR TO BPCo 4/26/79
 QUAL STATUS JCO REQUIRED RAD BASED ON PIPE CONTACT DOSE-ACTUAL DOSE AT SOV DETERMINED TO BE LSEE THAN 4X10E5

Equipment No SV5065-17
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNM ATMOS CONTROL CNM ISOLATION
 Man/Model ASCO NP8320A184E 125 VDC
 Safety Function 2 O2 ANALYZER SUPPLY ISOLATION
 Plant Location 1.13B
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AGS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-18
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNM ATMOS CONTROL CNM ISOLATION
 Man/Model ASCO NP8320A184E 125 VDC
 Safety Function 2 O2 ANALYZER SUPPLY ISOLATION
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AGS21678/TR
 QUAL STATUS DOR

Equipment No SV5065-18A
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System CNM ATMOS CONTROL CNM ISOLATION
 Man/Model VALCOR ENGR CORP P/N 10416 V526-5295-12
 Safety Function 2 H2/O2 ANALYZER SUPPLY ISOLATION
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V877-01
 Notes IMI CAT B ITEMS--FUNCTIONAL BY 10/81
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-19
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNM ATMOS CONTROL CNM ISOLATION
 Man/Model ASCO NP8320A184E 125 VDC
 Safety Function 2 O2 ANALYZER SUPPLY ISOLATION
 Plant Location 1.10 1.12
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad

Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-20
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E 125 VDC
 Safety Function 2 O2 ANALYZER SUPPLY ISOLATION
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-20B
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model VALCOR ENGR CORP P/N 10416 V526-5295-12
 Safety Function 2 H2/O2 ANALYZER SUPPLY ISOLATION
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V877-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 10/81
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-21
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E 125 VDC
 Safety Function 2 O2 ANALYZER SUPPLY ISOLATION
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-21A
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model VALCOR ENGR CORP P/N 10416 V526-5295-12
 Safety Function 2 H2/O2 ANALYZER SUPPLY ISOLATION

Plant Location	1.10
Operating Time Req/Avail	R-LOCA-30day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir	(F/#/%) - TEST CURVE #39 RAD-2X10E8
Aging	THERMAL-172hrs 318F MECH-7500 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ISOMEDIX TEST REPORT NO IFR-V877-01
Notes	TMI CAT B ITEMS--FUNCTIONAL BY 10/81
QUAL STATUS	NYI
QUAL PLAN	FE 2/81
Equipment No	SV5065-22
Description	SOLENOID VALVE FOR CONTROL VALVE M227
System	CNTM ATMOS CONTROL CNTM ISOLATION
Man/Model	ASCO NP8320A1B4E 125 VDC
Safety Function	2 O2 ANALYZER SUPPLY ISOLATION
Plant Location	1.10
Operating Time Req/Avail	R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir	TEST CURVE #13 RAD-2X10E8
Aging	THERMAL-288 hrs 132C MECH-4000 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ASCO TEST RPT AQS21678/TR
QUAL STATUS	DOR
Equipment No	SV5065-22B
Description	CONTROL VALVE FOR H2/O2 ANALYZER
System	CNTM ATMOS CONTROL CNTM ISOLATION
Man/Model	VALCOR ENGR CORP P/N 10416 V526-5295-12
Safety Function	2 H2/O2 ANALYZER SUPPLY ISOLATION
Plant Location	TORUS
Operating Time Req/Avail	R-LOCA-30day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-6.2X10E5
Qual Envir	(F/#/%) - TEST CURVE #39 RAD-2X10E8
Aging	THERMAL-172hrs 318F MECH-7500 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ISOMEDIX TEST REPORT NO IFR-V877-01
Notes	TMI CAT B ITEMS--FUNCTIONAL BY 10/81
QUAL STATUS	NYI
QUAL PLAN	FE 2/81
Equipment No	SV5065-23
Description	SOLENOID VALVE FOR CONTROL VALVE M227
System	CNTM ATMOS CONTROL CNTM ISOLATION
Man/Model	ASCO NP8320A1B4E
Safety Function	2 O2 ANALYZER SUPPLY ISOLATION
Plant Location	1.10A
Operating Time Req/Avail	R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-6.2X10E5
Qual Envir	TEST CURVE #13 RAD-2X10E8
Aging	THERMAL-288 hrs 132C MECH-40000 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ASCO TEST RPT AQS21678/TR
Notes	EXISTING VALVES (ASCO HT8320A22) TO BE REPLACED PRIOR TO 6/81 EXISTING VALVES QUALIFIED TO 4X10E 5 RADS PER ASCO LTR TO BPCO 4/26/79
QUAL STATUS	JCO REQUIRED RAD BASED ON PIPE CONTACT DOSE-ACTUAL DOSE AT SOV DETERMINED TO BE LSEE THAN 4X10E5
Equipment No	SV5065-24

Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNM ATMOS CONTROL CNM ISOLATION
 Man/Model ASCO NP8320A184E 125 VDC
 Safety Function 2 O2 ANALYZER DISCHARGE ISOLATION
 Plant Location 1 10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT A0521678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-24A
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model VALCOR ENGR CORP P/N 10416 V526-5295-12
 Safety Function 2 H2/O2 ANALYZER DISCHARGE ISOLATION
 Plant Location 1 12
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V877-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 10/81
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-25
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNM ATMOS CONTROL CNM ISOLATION
 Man/Model ASCO NP8320A184E 125 VDC
 Safety Function 2 O2 ANALYZER DISCHARGE ISOLATION
 Plant Location 1 10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT A0521678/TR
 QUAL STATUS DOR

Equipment No SV5065-25B
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System CNM ATMOS CONTROL CNM ISOLATION
 Man/Model VALCOR ENGR CORP P/N 10416 V526-5295-12
 Safety Function 2 H2/O2 ANALYZER DISCHARGE ISOLATION
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V877-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 10/81
 QUAL STATUS NYI

QUAL PLAN FE 2/81

Equipment No SV5065-26
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A184E 120 VAC
 Safety Function 2 O2 ANALYZER DISCHARGE ISOLATION
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-26A
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model VALCOR ENGR CORP P/N 10417 V526-5295-12
 Safety Function 2 H2/O2 ANALYZER DISCHARGE ISOLATION
 Plant Location 1.12
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 10/81
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-27
 Description SOLENOID VALVE FOR CONTROL VALVE M227
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model ASCO NP8320A184E 120 VAC
 Safety Function 2 O2 ANALYZER DISCHARGE ISOLATION
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5065-27B
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System CNTM ATMOS CONTROL CNTM ISOLATION
 Man/Model VALCOR ENGR CORP P/N 10417 V526-5295-12
 Safety Function 11 POST LOCA MONITORING
 Plant Location IDRV5
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL

Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 10/81
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-31
 Description SOLENOID VALVE FOR CONTROL VALVE M239
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model ASCO NP8320A1B4E 120 VAC
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1 11
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%)--NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR
 QUAL STATUS DOR

Equipment No SV5065-31B
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model VALCOR ENGR CORP P/N 10417 V526-5295-12
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1 14
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%)--NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)--TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 10/81
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-32
 Description SOLENOID VALVE FOR CONTROL VALVE M239
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model ASCO NP8320A1B4E 120 VAC
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1 11
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%)--NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR
 QUAL STATUS DOR

Equipment No SV5065-33
 Description SOLENOID VALVE FOR CONTROL VALVE M239
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model ASCO NP8320A1B4E 120 VAC
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1.12
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%)--NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8

Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-33A
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model VALCOR ENGR CORP P/N 10417 V526-5295-12
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1.13
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - TEST CURVE #29 RAD-2X10EB
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V877-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 10/81
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-34
 Description SOLENOID VALVE FOR CONTROL VALVE M239
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model ASCO NP8320A184E 120 VAC
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1.12
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-35
 Description SOLENOID VALVE FOR CONTROL VALVE M239
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model ASCO NP8320A184E 125 VDC
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1.11
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5065-35B
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model VALCOR ENGR CORP P/N 10416 V526-5295-12
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1.14
 Operating Time Req/Avail R-LOCA-30day NR-PBOC

DBE Env Req (F/#/%) - NONE not required for pboc RAD - NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10EB
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 10/81
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-36
 Description SOLENOID VALVE FOR CONTROL VALVE M239
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model ASCO NP8320A1B4E 125 VDC
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1 11
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD - NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 QUAL STATUS DOR

Equipment No SV5065-37
 Description SOLENOID VALVE FOR CONTROL VALVE M239
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model ASCO NP8320A1B4E 125 VDC
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1 12
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD - NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-37A
 Description CONTROL VALVE FOR H2/O2 ANALYZER
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model VALCOR ENGR CORP P/N 10416 V526-5295-12
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1 13
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD - NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - TEST CURVE #35 RAD-2X10EB
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 10/81
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-38
 Description SOLENOID VALVE FOR CONTROL VALVE M239
 System H2/O2 ANALYZER SAFETY RELATED DISPLAY
 Man/Model ASCO NP8320A1B4E 125 VDC

Safety Function 11 POST LOCA MONITORING
 Plant Location 1 12
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES TO BE REPLACED WITH ABOVE LISTED ASCO VALVES PRIOR TO 6/81
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs

Equipment No SV5065-63
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP V526-5683
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1 10
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-64
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1 10
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-65
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP V526-5683
 Safety Function 11 POST LOCA MONITORING
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB17-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-66
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP
 Safety Function 11 POST LOCA MONITORING
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB17-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-67
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP P/N 10416 V526-5295-12
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1 11
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-68
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP P/N 10417 V526-5295-12
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1 11
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-69
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP P/N 10416 V526-5295-12
 Safety Function 11 POST LOCA MONITORING
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2 OE5
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10E8

Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB17-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-70
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP P/N 10417 V526-5295-12
 Safety Function 11 POST LOCA MONITORING
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%)--NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%)--TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB17-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-71
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP V526-5683
 Safety Function 11 POST LOCA MONITORING
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%)--NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%)--TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB17-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-72
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP V526-5683
 Safety Function 11 POST LOCA MONITORING
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%)--NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%)--TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB17-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-73
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING

Man/Model	VALCOR ENGR CORP V526-5295-12
Safety Function	11 POST LOCA MONITORING
Plant Location	1.12
Operating Time Req/Avail	R-LOCA-30day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir	(F/#/%) - TEST CURVE #39 RAD-2X10E8
Aging	THERMAL-172hrs 31BF MECH-7500 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ISOMEDIX TEST REPORT NO IFR-V877-01
Notes	TMI CAT B ITEMS--FUNCTIONAL BY 1/82
QUAL STATUS	NYI
QUAL PLAN	FE 2/81
Equipment No	SV5065-74
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
System	POST ACCIDENT SAMPLING
Man/Model	VALCOR ENGR CORP V526-5295-12
Safety Function	11 POST LOCA MONITORING
Plant Location	1.12
Operating Time Req/Avail	R-LOCA-30day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir	(F/#/%) - TEST CURVE #39 RAD-2X10E8
Aging	THERMAL-172hrs 31BF MECH-7500 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ISOMEDIX TEST REPORT NO IFR-V877-01
Notes	TMI CAT B ITEMS--FUNCTIONAL BY 1/82
QUAL STATUS	NYI
QUAL PLAN	FE 2/81
Equipment No	SV5065-75
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
System	POST ACCIDENT SAMPLING
Man/Model	VALCOR ENGR CORP V526-5295-12
Safety Function	11 POST LOCA MONITORING
Plant Location	TORUS
Operating Time Req/Avail	R-LOCA-30 day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-6.2X10E5
Qual Envir	(F/#/%) - TEST CURVE #39 RAD-2X10E8
Aging	THERMAL-172hrs 31BF MECH-7500 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ISOMEDIX TEST REPORT NO IFR-V817-01
Notes	TMI CAT B ITEMS--FUNCTIONAL BY 1/82
QUAL STATUS	NYI
QUAL PLAN	FE 2/81
Equipment No	SV5065-76
Description	CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
System	POST ACCIDENT SAMPLING
Man/Model	VALCOR ENGR CORP V526-5295-12
Safety Function	11 POST LOCA MONITORING
Plant Location	TORUS
Operating Time Req/Avail	R-LOCA-30 day NR-PBOC
DBE Env Req	(F/#/%) - NONE not required for pboc RAD-6.2X10E5
Qual Envir	(F/#/%) - TEST CURVE #39 RAD-2X10E8
Aging	THERMAL-172hrs 31BF MECH-7500 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ISOMEDIX TEST REPORT NO IFR-V817-01
Notes	TMI CAT B ITEMS--FUNCTIONAL BY 1/82

QUAL STATUS NYI
QUAL PLAN FE 2/81

Equipment No SV5065-77
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
System POST ACCIDENT SAMPLING
Man/Model VALCOR ENGR CORP V526-5683
Safety Function 11 POST LOCA MONITORING
Plant Location TORUS
Operating Time Req/Avail R-LOCA-30 day NR-PBOC
DBE Env Req (F/#/%)—NONE not required for pboc RAD-6.2X10E5
Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10E8
Aging THERMAL-172hrs 318F MECH-7500 CYCLES
Method of Qualification TEST/SEQUENTIAL
Supporting Document ISOMEDIX TEST REPORT NO IFR-VB17-01
Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82

QUAL STATUS NYI
QUAL PLAN FE 2/81

Equipment No SV5065-78
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
System POST ACCIDENT SAMPLING
Man/Model VALCOR ENGR CORP V526-5683
Safety Function 11 POST LOCA MONITORING
Plant Location TORUS
Operating Time Req/Avail R-LOCA-30 day NR-PBOC
DBE Env Req (F/#/%)—NONE not required for pboc RAD-6.2X10E5
Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10E8
Aging THERMAL-172hrs 318F MECH-7500 CYCLES
Method of Qualification TEST/SEQUENTIAL
Supporting Document ISOMEDIX TEST REPORT NO IFR-VB17-01
Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82

QUAL STATUS NYI
QUAL PLAN FE 2/81

Equipment No SV5065-79
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
System POST ACCIDENT SAMPLING
Man/Model VALCOR ENGR CORP P/N 10416 V526-5295-12
Safety Function 11 POST LOCA MONITORING
Plant Location TORUS
Operating Time Req/Avail R-LOCA-30 day NR-PBOC
DBE Env Req (F/#/%)—NONE not required for pboc RAD-6.2X10E5
Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10E8
Aging THERMAL-172hrs 318F MECH-7500 CYCLES
Method of Qualification TEST/SEQUENTIAL
Supporting Document ISOMEDIX TEST REPORT NO IFR-VB17-01
Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82

QUAL STATUS NYI
QUAL PLAN FE 2/81

Equipment No SV5065-80
Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
System POST ACCIDENT SAMPLING
Man/Model VALCOR ENGR CORP P/N 10417 V526-5295-12
Safety Function 11 POST LOCA MONITORING
Plant Location TORUS
Operating Time Req/Avail R-LOCA-30 day NR-PBOC

DBE Env Req (F/#/%)—NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10EB
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V817-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-81
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP P/N 10416 V526-5295-12
 Safety Function 11 POST LOCA MONITORING
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10EB
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V817-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-82
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP P/N 10417 V526-5295-12
 Safety Function 11 POST LOCA MONITORING
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10EB
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V817-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-83
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP V-526-5683
 Safety Function 11 POST LOCA MONITORING
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10EB
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V817-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-84

Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP V526-5683
 Safety Function 11 POST LOCA MONITORING
 Plant Location TORUS
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD-6.2X10E5
 Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V817-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-85
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP V526-5683
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1.9
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V877-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5065-86
 Description CONTROL VALVE FOR POST ACCIDENT SAMPLING SYSTEM
 System POST ACCIDENT SAMPLING
 Man/Model VALCOR ENGR CORP V526-5683
 Safety Function 11 POST LOCA MONITORING
 Plant Location 1.9
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V877-01
 Notes TMI CAT B ITEMS--FUNCTIONAL BY 1/82
 QUAL STATUS NYI
 QUAL PLAN FE 2/81

Equipment No SV5081A
 Description CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
 System CNTM ATMOS CONTROL
 Man/Model VALCOR ENG CORP V526-5292-31
 Safety Function 2 ISOLATE DRYWELL EMERGENCY EXIT
 Plant Location 1.14
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL

Supporting Document	ISOMEDIX TEST REPORT NO. IFR-V877-01
Notes	TMI CAT ITEMS--FUNCTIONAL AS OF 1/80
QUAL STATUS	DOR
Equipment No	SV5081B
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
System	CNTM ATMOS CONTROL
Man/Model	VALCOR ENG CORP V526-5292-31
Safety Function	2 ISOLATE DRYWELL EMERGENCY EXIT
Plant Location	1.14
Operating Time Req/Avail	R-LOCA-30day NR-PBOC
DBE Env Req	(F/#/%)--NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir	(F/#/%)--TEST CURVE #39 RAD-2X10EB
Aging	THERMAL-172hrs 318F MECH-7500 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ISOMEDIX TEST REPORT NO. IFR-V877-01
Notes	TMI CAT ITEMS--FUNCTIONAL AS OF 1/80
QUAL STATUS	DOR
Equipment No	SV5082A
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
System	CNTM ATMOS CONTROL
Man/Model	VALCOR ENG CORP V526-5292-31
Safety Function	2 ISOLATE DRYWELL EMERGENCY EXIT
Plant Location	1.14
Operating Time Req/Avail	R-LOCA-30day NR-PBOC
DBE Env Req	(F/#/%)--NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir	(F/#/%)--TEST CURVE #39 RAD-2X10EB
Aging	THERMAL-172hrs 318F MECH-7500 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ISOMEDIX TEST REPORT NO. IFR-V877-01
Notes	TMI CAT ITEMS--FUNCTIONAL AS OF 1/80
QUAL STATUS	DOR
Equipment No	SV5082B
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
System	CNTM ATMOS CONTROL
Man/Model	VALCOR ENG CORP V526-5292-31
Safety Function	2 ISOLATE DRYWELL EMERGENCY EXIT
Plant Location	1.14
Operating Time Req/Avail	R-LOCA-30day NR-PBOC
DBE Env Req	(F/#/%)--NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir	(F/#/%)--TEST CURVE #39 RAD-2X10EB
Aging	THERMAL-172hrs 318F MECH-7500 CYCLES
Method of Qualification	TEST/SEQUENTIAL
Supporting Document	ISOMEDIX TEST REPORT NO. IFR-V877-01
Notes	TMI CAT ITEMS--FUNCTIONAL AS OF 1/80
QUAL STATUS	DOR
Equipment No	SV5083A
Description	CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
System	CNTM ATMOS CONTROL
Man/Model	VALCOR ENG CORP V526-5292-31
Safety Function	2 ISOLATE TORUS EMERGENCY PURGE EXIT
Plant Location	1.10
Operating Time Req/Avail	R-LOCA-30day NR-PBOC
DBE Env Req	(F/#/%)--NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
Qual Envir	(F/#/%)--TEST CURVE #39 RAD-2X10EB

Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO. IFR-V877-01
 Notes TMI CAT ITEMS--FUNCTIONAL AS OF 1/80

QUAL STATUS DOR

Equipment No SV5083B
 Description CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
 System CNTM ATMOS CONTROL
 Man/Model VALCOR ENG CORP V526-5292-31
 Safety Function 2 ISOLATE TORUS EMERGENCY PURGE EXIT
 Plant Location 1 10
 Operating Time Req/Avail R-LOCA-30day NR-PBDC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10EB
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO. IFR-V877-01
 Notes TMI CAT ITEMS--FUNCTIONAL AS OF 1/80

QUAL STATUS DOR

Equipment No SV5084A
 Description CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
 System CNTM ATMOS CONTROL
 Man/Model VALCOR ENG CORP V526-5292-31
 Safety Function 2 ISOLATE TORUS EMERGENCY PURGE EXIT
 Plant Location 1 10
 Operating Time Req/Avail R-LOCA-30day NR-PBDC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10EB
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO. IFR-V877-01
 Notes TMI CAT ITEMS--FUNCTIONAL AS OF 1/80

QUAL STATUS DOR

Equipment No SV5084B
 Description CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
 System CNTM ATMOS CONTROL
 Man/Model VALCOR ENG CORP V526-5292-31
 Safety Function 2 ISOLATE TORUS EMERGENCY PURGE EXIT
 Plant Location 1 10
 Operating Time Req/Avail R-LOCA-30day NR-PBDC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%) - TEST CURVE #39 RAD-2X10EB
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO. IFR-V877-01
 Notes TMI CAT ITEMS--FUNCTIONAL AS OF 1/80

QUAL STATUS DOR

Equipment No SV5085A
 Description CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
 System CNTM ATMOS CONTROL
 Man/Model VALCOR ENG CORP V526-5292-31
 Safety Function 2 DRYWELL N2 MAKEUP ISOLATION
 Plant Location 1 25
 Operating Time Req/Avail R-LOCA-30day NR-PBDC

DBE Env Req (F/#/%)--NONE not required for pboc RAD--NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)--TEST CURVE #39 RAD-2x10E8
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT ITEMS--FUNCTIONAL AS OF 1/80
 QUAL STATUS DOR

Equipment No SV5085B
 Description CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
 System CNTM ATMOS CONTROL
 Man/Model VALCOR ENG CORP V526-5292-31
 Safety Function 2 DRYWELL N2 MAKEUP ISOLATION
 Plant Location 1 25
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%)--NONE not required for pboc RAD--NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)--TEST CURVE #39 RAD-2x10E8
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT ITEMS--FUNCTIONAL AS OF 1/80
 QUAL STATUS DOR

Equipment No SV5086A
 Description CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
 System CNTM ATMOS CONTROL
 Man/Model VALCOR ENG CORP V526-5292-31
 Safety Function 2 DRYWELL N2 MAKEUP ISOLATION
 Plant Location 1 25
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%)--NONE not required for pboc RAD--NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)--TEST CURVE #39 RAD-2x10E8
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT ITEMS--FUNCTIONAL AS OF 1/80
 QUAL STATUS DOR

Equipment No SV5086B
 Description CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
 System CNTM ATMOS CONTROL
 Man/Model VALCOR ENG CORP V526-5292-31
 Safety Function 2 DRYWELL N2 MAKEUP ISOLATION
 Plant Location 1 25
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%)--NONE not required for pboc RAD--NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)--TEST CURVE #39 RAD-2x10E8
 Aging THERMAL-172hrs 31BF MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-VB77-01
 Notes TMI CAT ITEMS--FUNCTIONAL AS OF 1/80
 QUAL STATUS DOR

Equipment No SV5087A
 Description CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
 System CNTM ATMOS CONTROL
 Man/Model VALCOR ENG CORP V526-5292-31
 Safety Function 2 TORUS N2 MAKEUP ISOLATION

Plant Location 1.25
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD—NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO. IFR-V877-01
 Notes TMI CAT ITEMS--FUNCTIONAL AS OF 1/80
 QUAL STATUS DOR

Equipment No SV5087B
 Description CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
 System CNTM ATMOS CONTROL
 Man/Model VALCOR ENG CORP V526-5292-31
 Safety Function 2 TORUS N2 MAKEUP ISOLATION
 Plant Location 1.25
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD—NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO. IFR-V877-01
 Notes TMI CAT ITEMS--FUNCTIONAL AS OF 1/80
 QUAL STATUS DOR

Equipment No SV5088A
 Description CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
 System CNTM ATMOS CONTROL
 Man/Model VALCOR ENG CORP V526-5292-31
 Safety Function 2 TORUS N2 MAKEUP ISOLATION
 Plant Location 1.25
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD—NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO. IFR-V877-01
 Notes TMI CAT ITEMS--FUNCTIONAL AS OF 1/80
 QUAL STATUS DOR

Equipment No SV5088B
 Description CONTROL VALVE FOR EMERGENCY CNTM ATMOS CONTROL
 System CNTM ATMOS CONTROL
 Man/Model VALCOR ENG CORP V526-5292-31
 Safety Function 2 TORUS MAKEUP ISOLATION
 Plant Location 1.25
 Operating Time Req/Avail R-LOCA-30day NR-PBOC
 DBE Env Req (F/#/%)—NONE not required for pboc RAD—NONE not exposed to post-loca recirculation rad
 Qual Envir (F/#/%)—TEST CURVE #39 RAD-2X10E8
 Aging THERMAL-172hrs 318F MECH-7500 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ISOMEDIX TEST REPORT NO IFR-V877-01
 Notes TMI CAT ITEMS--FUNCTIONAL AS OF 1/80
 QUAL STATUS DOR

Equipment No SV7011A
 Description AIR OPERATOR SOLENOID VALVE M232
 System RADWASTE SYSTEM CNTM ISOLATION

Man/Model ASCO NP8320A184E
 Safety Function 2 DRYWELL EQUIPMENT DRAIN SUMP PUMP DISCHARGE
 Plant Location TORUS AREA
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%)=NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AGS2167B/TR
 QUAL STATUS DOR

Equipment No SV7011B
 Description AIR OPERATOR SOLENOID VALVE M232
 System RADWASTE SYSTEM CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 DRYWELL EQUIPMENT DRAIN SUMP PUMP DISCHARGE
 Plant Location TORUS AREA
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%)=NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AGS2167B/TR
 QUAL STATUS DOR

Equipment No SV7017A
 Description AIR OPERATOR SOLENOID VALVE M232
 System RADWASTE SYSTEM CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 SUMP PUMP (DRYWELL FLOOR) DISCH VALVE
 Plant Location TORUS AREA
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%)=NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AGS2167B/TR
 QUAL STATUS DOR

Equipment No SV7017B
 Description AIR OPERATOR SOLENOID VALVE M232
 System RADWASTE SYSTEM CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 2 SUMP PUMP (DRYWELL FLOOR) DISCH VALVE
 Plant Location TORUS AREA
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%)=NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288 hrs 132C MECH-40000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AGS2167B/TR
 QUAL STATUS DOR

Equipment No SV9007
 Description SOLENOID VALVE SPRINKLER SOV (S G. T. S.) M294
 System STANDBY GAS TREATMENT
 Man/Model ASCO HTB210C22 125 VDC
 Safety Function 13 STANDBY GAS TREATMENT

Plant Location 1.23
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-2 1X10EB
 Qual Envir (F/#/%) - NOT REQUIRED outstanding item (RAD)
 Aging outstanding item
 GUAL STATUS NYQ NOT ESSENTIAL TO SGTS OPERATION
 GUAL PLAN ER 11/81

Equipment No SV9008
 Description SOLENOID VALVE SPRINKLER SOV (S G T S) (M294
 System STANDBY GAS TREATMENT
 Man/Model ASCO HTB210C22 125 VDC
 Safety Function 13 STANDBY GAS TREATMENT
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-2 1X10EB
 Qual Envir (F/#/%) - NOT REQUIRED outstanding item (RAD)
 Aging outstanding item
 GUAL STATUS NYQ NOT ESSENTIAL TO SGTS OPERATION
 GUAL PLAN ER 11/81

Equipment No SVL43
 Description SOLENOID VALVE FOR 78A&B M283
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NP8320A184
 Safety Function 3/13 REFUELING BLDG VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1.14A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THTB320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 GUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 GUAL PLAN ER 11/81

Equipment No SVL44
 Description SOLENOID VALVE FOR ADN 79A&B M283
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 3/13 REFUELING BLDG VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1.14A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THTB320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 GUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 GUAL PLAN ER 11/81

Equipment No SVL45

Description SOLENOID VALVE FOR ADN B0A&B M283
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 3/13 REFUELING BLDG VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1 14B
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES QUAL STATUS SHOWN BELOW IS APPLICABLE TO EXISTING VALVE
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 QUAL PLAN ER 11/81

Equipment No SVL46
 Description SOLENOID VALVE FOR ADN B1A&B M283
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 3/13 REFUELING BLDG VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1 14B
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES QUAL STATUS SHOWN BELOW IS APPLICABLE TO EXISTING VALVE
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 QUAL PLAN ER 11/81

Equipment No SVL47
 Description SOLENOID VALVE FOR AD NB2A&B M283
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 3/13 REFUELING FLOOR VENT SUPPLY ISO NOT REQUIRED FOR PBOC
 Plant Location 1 16A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES QUAL STATUS SHOWN BELOW IS APPLICABLE TO EXISTING VALVE
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 QUAL PLAN ER 11/81

Equipment No SVL48
 Description SOLENOID VALVE FOR AD NB3A&B M283
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 3/13 REFUELING FLOOR VENT SUPPLY ISO NOT REQUIRED FOR PBOC

Plant Location 1.16A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES QUAL STATUS SHOWN BELOW IS APPLICABLE TO EXISTING VALVE
 QUAL STATUS DGR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 QUAL PLAN ER 11/81

Equipment No SVL49
 Description SOLENOID VALVE FOR AD N90ABCD M283
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NPB320A1B4E
 Safety Function 3 REFUELING FLOOR VENT EXHAUST ISO NOT REQUIRED FOR PBOC
 Plant Location 1.12
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES QUAL STATUS SHOWN BELOW IS APPLICABLE TO EXISTING VALVE
 QUAL STATUS DGR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 QUAL PLAN ER 11/81

Equipment No SVL50
 Description SOLENOID VALVE FOR AD N91ABCD
 System STANDBY GAS TREATMENT
 Man/Model ASCO NPB320A1B4E
 Safety Function 3/13 STANDBY GAS TREATMENT/SEC CONT ISO
 Plant Location 1.12
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES QUAL STATUS SHOWN BELOW IS APPLICABLE TO EXISTING VALVE
 QUAL STATUS DGR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 QUAL PLAN ER 11/81

Equipment No SVL51
 Description SOLENOID VALVE FOR ADN92A08 M283
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NPB320A1B4E 120 VDC
 Safety Function 3/13 REFUELING BLDG VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1.233
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-3.2X10E4
 Qual Envir TEST CURVE #13 RAD-2X10E8

Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 EXISTING SOVs QUALIFIED TO 4X10E5 PER ASCO LTR TO BPCo 4/26/79

QUAL STATUS DOR-A
 QUAL PLAN ER 11/81

Equipment No SVL52
 Description SOLENOID VALVE FOR ADN 93A&B M283
 System STANDBY GAS TREATMENT SEC CNTH ISOLATION
 Man/Model ASCO NP8320A184E 120 VDC
 Safety Function 3/13 REFUELING BLDG VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1 23B
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-3 2X10E4
 Qual Envir TEST CURVE #13 RAD-2X10E8

Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 EXISTING SOVs QUALIFIED TO 4X10E5 PER ASCO LTR TO BPCo 4/26/79

QUAL STATUS DOR-A
 QUAL PLAN ER 11/81

Equipment No SVL53
 Description SOLENOID VALVE FOR ADN95A&B M283
 System STANDBY GAS TREATMENT SEC CNTH ISOLATION
 Man/Model ASCO NP8320A184E 120 VDC
 Safety Function 3/13 CONT. COMP. VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1 23A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-3 2X10E4
 Qual Envir TEST CURVE #13 RAD-2X10E8

Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 EXISTING SOVs QUALIFIED TO 4X10E5 PER ASCO LTR TO BPCo 4/26/79

QUAL STATUS DOR-A
 QUAL PLAN ER 11/81

Equipment No SVL54
 Description SOLENOID VALVE FOR ADN 94A&B M283
 System STANDBY GAS TREATMENT SEC CNTH ISOLATION
 Man/Model ASCO NP8320A184E 120 VDC
 Safety Function 3/13 CONT. COMP. VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1 23A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-3 2X10E4
 Qual Envir TEST CURVE #13 RAD-2X10E8

Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 EXISTING SOVs QUALIFIED TO 4X10E5 PER ASCO LTR TO BPCo 4/26/79

QUAL STATUS DOR-A
 QUAL PLAN ER 11/81

Equipment No SVL55
 Description SOLENOID VALVE FOR ADN96 M2B3
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E
 Safety Function 3/13 CRD MAINT RM VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1.12
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loc a recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES QUAL STATUS SHOWN BELOW IS APPLICABLE TO EXISTING VALVE
 QUAL STATUS DQR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 QUAL PLAN ER 11/81

Equipment No SVL56
 Description SOLENOID VALVE FOR ADN97 M2B3
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E
 Safety Function 3/13 CRD MAINT RM VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1.12
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loc a recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES QUAL STATUS SHOWN BELOW IS APPLICABLE TO EXISTING VALVE
 QUAL STATUS DQR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 QUAL PLAN ER 11/81

Equipment No SVL57
 Description SOLENOID VALVE FOR ADN98
 System STANDBY GAS TREATMENT
 Man/Model ASCO NP8320A1B4E 120 VDC
 Safety Function 3/13 RB CONT. EXH. TO SGT5 NOT REQUIRED FOR PBOC
 Plant Location 1.10A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 EXISTING SOVs QUALIFIED TO 4X10E5 PER ASCO LTR TO BPCo 4/26/79
 QUAL STATUS JCO REQUIRED RAD BASED ON PIPE CONTACT DOSE- VALUE AT SOV DETERMINED TO BE WITHIN QUALIFIED VALUE
 QUAL PLAN ER 11/81

Equipment No SVL58
 Description SOLENOID VALVE FOR ADN99
 System STANDBY GAS TREATMENT
 Man/Model ASCO NP8320A1B4E 120 VDC

Safety Function 3/13 SGTS FLTR A INLET NOT REQUIRED FOR PBOC
 Plant Location 1.10A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 EXISTING SOVs QUALIFIED TO 4X10E5 PER ASCO LTR TO BPCo 4/26/79
 QUAL STATUS JCD REQUIRED RAD BASED ON PIPE CONTACT DOSE- VALUE AT SOV DETERMINED TO BE WITHIN QUALIFIED VALUE
 QUAL PLAN ER 11/81

Equipment No SVL60
 Description SOLENOID VALVE FOR ADN101
 System STANDBY GAS TREATMENT
 Man/Model ASCO NP8320A184E 120 VDC
 Safety Function 3/13 REFUEL TO SGTS INLET NOT REQUIRED FOR PBOC
 Plant Location 1.10A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 EXISTING SOVs QUALIFIED TO 4X10E5 PER ASCO LTR TO BPCo 4/26/79
 QUAL STATUS JCD REQUIRED RAD BASED ON PIPE CONTACT DOSE- VALUE AT SOV DETERMINED TO BE WITHIN QUALIFIED VALUE
 QUAL PLAN ER 11/81

Equipment No SVL62
 Description SOLENOID VALVE FOR ADN106
 System STANDBY GAS TREATMENT
 Man/Model ASCO NP8320A184E 120 VDC
 Safety Function 13 SGTS FILTER B INLET NOT REQUIRED FOR PBOC
 Plant Location 1.10A
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS2167B/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 EXISTING SOVs QUALIFIED TO 4X10E5 PER ASCO LTR TO BPCo 4/26/79
 QUAL STATUS JCD REQUIRED RAD BASED ON PIPE CONTACT DOSE- VALUE AT SOV DETERMINED TO BE WITHIN QUALIFIED VALUE
 QUAL PLAN ER 11/81

Equipment No SVL67
 Description SOLENOID VALVE FOR ADN 108
 System STANDBY GAS TREATMENT
 Man/Model ASCO NP8320A184E 120 VDC
 Safety Function 13 SGTS FILTER A OUTLET NOT REQUIRED FOR PBOC
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL

Supporting Document ASCO TEST RPT AQS2167B/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES

QUAL STATUS NYQ
 QUAL PLAN ER 12/80

Equipment No SVL70
 Description SOLENOID VALVE FOR ADN112
 System STANDBY GAS TREATMENT
 Man/Model ASCO NP8320A1B4E 120VDC
 Safety Function 13 SQTS FILTER B OUTLET NOT REQUIRED FOR PBOC
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL

Supporting Document ASCO TEST RPT AQS2167B/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES

QUAL STATUS NYQ
 QUAL PLAN ER 12/80

Equipment No SVL71
 Description SOLENOID VALVE FOR ADN114 M283
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E
 Safety Function 3/13 SEC CONT ACCESS LOCK VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-locA recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL

Supporting Document ASCO TEST RPT AQS2167B/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES QUAL STATUS SHOWN BELOW IS APPLICABLE TO EXISTING VALVE

QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 QUAL PLAN ER 11/81

Equipment No SVL72
 Description SOLENOID VALVE FOR ADN115 M283
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NP8320A1B4E
 Safety Function 3/13 SEC CONT ACCESS LOCK VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-locA recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10EB
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL

Supporting Document ASCO TEST RPT AQS2167B/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES QUAL STATUS SHOWN BELOW IS APPLICABLE TO EXISTING VALVE

QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 QUAL PLAN ER 11/81

Equipment No SVL73
 Description SOLENOID VALVE FOR ADN116 M283
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 3/13 SEC CONT ACCESS LOCK VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES QUAL STATUS SHOWN BELOW IS APPLICABLE TO EXISTING VALVE
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 QUAL PLAN ER 11/81

Equipment No SVL74
 Description SOLENOID VALVE FOR ADN117 M283
 System STANDBY GAS TREATMENT SEC CNTM ISOLATION
 Man/Model ASCO NP8320A184E
 Safety Function 3/13 SEC CONT ACCESS LOCK VENT ISOLATION NOT REQUIRED FOR PBOC
 Plant Location 1.10
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES QUAL STATUS SHOWN BELOW IS APPLICABLE TO EXISTING VALVE
 QUAL STATUS DOR-A REPLACEMENT OF THIS COMPONENT WILL BE MADE TO ACHIEVE STANDARDIZATION OF SOVs
 QUAL PLAN ER 11/81

Equipment No SVL77
 Description SOLENOID VALVE FOR ADN 135
 System STANDBY GAS TREATMENT
 Man/Model ASCO NP8320A184E 120VDC
 Safety Function 13 BOTS FLTR MINIMUM FLOW NOT REQUIRED FOR PBOC
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA(A)-1 min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) NONE not required for pboc
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL INFO SHOWN ABOVE IS APPLICABLE TO REPLACEMENT VALVES
 QUAL STATUS NYQ
 QUAL PLAN ER 12/80

Equipment No SVL78
 Description SOLENOID VALVE FOR ADN136
 System STANDBY GAS TREATMENT
 Man/Model ASCO NP8320A184E 120VDC

Safety Function 13 SQTS FLTR INLET XTIE NOT REQUIRED FOR PBOC
 Plant Location 1 23
 Operating Time Req/Avail R-LOCA(A)-1min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 QUAL STATUS NYQ XTIE NOT ESSENTIAL TO SYSTEM OPERATION
 QUAL PLAN ER 12/80

Equipment No SVL79
 Description SOLENOID VALVE FOR ADN 100
 System STANDBY GAS TREATMENT
 Man/Model ASCO NP8320A1B4E 120VDC
 Safety Function 13 RB CLEAN EXH TO SQTS INLET NOT REQUIRED FOR PBOC
 Plant Location 1 10A
 Operating Time Req/Avail R-LOCA(A)-L min R-LOCA(P)-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-6.2X10E5
 Qual Envir TEST CURVE #13 RAD-2X10E8
 Aging THERMAL-288hrs 132C MECH-4000 CYCLES
 Method of Qualification TEST/SEQUENTIAL
 Supporting Document ASCO TEST RPT AQS21678/TR
 Notes EXISTING VALVES (ASCO MODEL THT8320A107) TO BE REPLACED WITH ABOVE LISTED VALVES PRIOR TO 11/81
 EXISTING SOVs QUALIFIED TO 4X10E5 PER ASCO LTR ID BPCo 4/26/79
 QUAL STATUS JCO REQUIRED RAD BASED ON PIPE CONTACT DOSE- VALUE AT SOV, DETERMINED TO BE WITHIN QUALIFIED VALUE
 QUAL PLAN ER 11/81

Equipment No T1
 Description HEAT TRACING FOR BWR CNTM GAS MONITORING & POST ACCIDENT SAMPLING SAMPLE LINES
 System POST ACCIDENT SAMPLING
 Man/Model VARIOUS
 Safety Function 12 SUPPORT SYSTEM FOR POST LOCA SAMPLING & CNTM GAS MONITORING
 Plant Location VARIOUS
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-1 IN AREA 1.108 ASSUMED WORST CASE RAD-5.4X10E6
 Qual Envir OUTSTANDING ITEM (F/#/%) OUTSTANDING ITEM (RAD)
 Method of Qualification OUTSTANDING ITEM
 Supporting Document OUTSTANDING ITEM
 Notes TMI SUPPORT EQUIPMENT - FUNCTIONAL BY 10/81
 QUAL STATUS NYI
 QUAL PLAN FT 6/81

Equipment No TE5047
 Description TEMPERATURE ELEMENT (RTD) M227
 System CNTM ATMOS CONTROL SAFETY RELATED DISPLAY
 Man/Model ELECTRIC THERMOMETER 35-447-10,939
 Safety Function 11 TORUS WTR. STORAGE
 Plant Location TORUS AREA
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-1X10E6
 Aging outstanding item
 Method of Qualification EVALUATION
 Supporting Document BPCo SCEG BPCo CEQE PACS MEMO 80186 (F/11/%) PACS MEMO 80-238 (RAD)
 Notes EXISTING RTD TO BE REPLACED WITH QUALIFIED COMPONENT BY 12/80

QUAL STATUS JCO
QUAL PLAN ER 12/80

Equipment No TE5048
Description TEMPERATURE ELEMENT M227
System CNTM ATMOS CONTROL SAFETY RELATED DISPLAY
Man/Model ELECTRIC THERMOMETER 35-447-10.939
Safety Function 11 TORUS WTR STORAGE
Plant Location TORUS AREA
Operating Time Req/Avail R-30 day
DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-1X10E6
Aging outstanding item
Method of Qualification EVALUATION
Supporting Document BPCo SCEQ BPCo CEQE PACS MEMO 80-186 (F/#/%) PACS MEMO 80-238 (RAD)
Notes EXISTING RTD TO BE REPLACED WITH QUALIFIED COMPONENT BY 12/80

QUAL STATUS JCO
QUAL PLAN ER 12/80

Equipment No TERMINATIONS (4 Kv)
Description 4 Kv CABLE SPLICES & MOTOR TERMINATIONS
System ELECTRICAL DISTRIBUTION
Man/Model KERITE
Safety Function 12 ELECT DIST.
Plant Location VARIOUS
Operating Time Req/Avail R-30 day ASSUMED
DBE Env Req (F/#/%) - PBOC-1 in area 1.10B assumed worst case RAD-6.2X10E5
Qual Envir TEST CURVE #32 RAD-1X10E8
Aging outstanding item
Method of Qualification TEST/SEQUENTIAL
Supporting Document FIRT TEST RPT F-C3056 KERITE SUMMARY RPT 6/11/71

QUAL STATUS DOR-A
QUAL PLAN AA 11/81 FE 11/81

Equipment No TS1291-14C
Description TEMPERATURE SWITCH M247
System RCTR WTR CLEAN-UP CNTM ISOLATION
Man/Model FENWAL 17002-40 6903
Safety Function 2 CLEANUP LEAK DETECTION PBOC TERM
Plant Location 1.11 IN HV DUCT FROM BACKWASH RCVR TK ROOM
Operating Time Req/Avail NR-LOCA R-PBOC-30 min
DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not required during loca
Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 PACS MEMO 80-202 (AGING)
QUAL STATUS DOR

Equipment No TS1291-14D
Description TEMPERATURE SWITCH M247
System RCTR WTR CLEAN-UP CNTM ISOLATION
Man/Model FENWAL 17002-40 6903
Safety Function 2 CLEANUP LEAK DETECTION PBOC TERM
Plant Location 1.11 IN HV DUCT FROM BACKWASH RCVR TK ROOM
Operating Time Req/Avail NR-LOCA R-PBOC-30 min
DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not required during loca
Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT

Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DQR

Equipment No TS1291-14E
 Description TEMPERATURE SWITCH M247
 System RCTR WTR CLEAN-UP CNTM ISOLATION
 Man/Model FENWAL 17002-40 6303
 Safety Function 2 CLEANUP LEAK DETECTION PBOC TERM
 Plant Location 1 11 IN HV DUCT FROM RWCU HX ROOM
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DQR

Equipment No TS1291-14F
 Description TEMPERATURE SWITCH M247
 System RCTR WTR CLEAN-UP CNTM ISOLATION
 Man/Model FENWAL 17002-40 6903
 Safety Function 2 CLEANUP LEAK DETECTION PBOC TERM
 Plant Location 1 11 IN HV DUCT FROM RWCU HX ROOM
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-2 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DQR

Equipment No TS1291-14G
 Description TEMPERATURE SWITCH M247
 System RCTR WTR CLEAN-UP CNTM ISOLATION
 Man/Model FENWAL 17002-40 6902
 Safety Function 2 CLEANUP LEAK DETECTION PBOC TERM
 Plant Location 1 9A WALL MOUNTED
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-8 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DQR

Equipment No TS1291-14H
 Description TEMPERATURE SWITCH M247
 System RCTR WTR CLEAN-UP CNTM ISOLATION
 Man/Model FENWAL 17002-40 6903
 Safety Function 2 CLEANUP LEAK DETECTION PBOC TERM
 Plant Location 1 9A WALL MOUNTED
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-8 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)

QUAL STATUS DOR

Equipment No TS1291-14J
 Description TEMPERATURE SWITCH M247
 System RCIR WTR CLEAN-UP CNTM ISOLATION
 Man/Model FENWAL 17002-40 7105
 Safety Function 2 CLEANUP LEAK DETECTION PBOC TERM
 Plant Location 1 9 IN HV DUCT FROM RHR A VV ROOM
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%)PBOC-1 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS1291-14K
 Description TEMPERATURE SWITCH M247
 System RCTR WTR CLEAN-UP CNTM ISOLATION
 Man/Model FENWAL 17002-40 6903
 Safety Function 2 CLEANUP LEAK DETECTION PBOC TERM
 Plant Location 1 9 IN HV DUCT FROM RHR A VV ROOM
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%)PBOC-1 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS1360-14C
 Description TEMPERATURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model FENWAL 17023-6 7107
 Safety Function 2 RCIC LEAK DETECTION SYSTEM PBOC TERM
 Plant Location 1 10A WALL MOUNTED
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%)PBOC-4 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS1360-14D
 Description TEMPERATURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model FENWAL 17023-6 65010
 Safety Function 2 RCIC LEAK DETECTION SYSTEM PBOC TERM
 Plant Location 1 10A WALL MOUNTED
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%)PBOC-4 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS1360-15A
 Description TEMPERATURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model FENWAL 17023-6 65010
 Safety Function 2 RCIC LEAK DETECTION SYSTEM PBOC TERM
 Plant Location 1 5 WALL MOUNTED
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-6 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS1360-15B
 Description TEMPERATURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model FENWAL 17023-6 65010
 Safety Function 2 RCIC LEAK DETECTION SYSTEM PBOC TERM
 Plant Location 1 5 WALL MOUNTED
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-6 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS1360-15C
 Description TEMPERATURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model FENWAL 17023-6 7306
 Safety Function 2 RCIC LEAK DETECTION SYSTEM PBOC TERM
 Plant Location 1 10A IN HV DUCT FROM TORUS AREA
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-4 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS1360-15D
 Description TEMPERATURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model FENWAL 17023-6 65010
 Safety Function 2 RCIC LEAK DETECTION SYSTEM PBOC TERM
 Plant Location 1 10A IN HV DUCT FROM TORUS AREA
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-4 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS1360-16C
 Description TEMPERATURE SWITCH M245

System RCIC CNTM ISOLATION
 Man/Model FENWAL 17023-6 6911
 Safety Function 2 RCIC LEAK DETECTION SYSTEM PBOC TERM
 Plant Location 1 10A WALL MOUNTED
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-4 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS1360-16D
 Description TEMPERATURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model FENWAL 17023-6 6911
 Safety Function 2 RCIC LEAK DETECTION SYSTEM PBOC TERM
 Plant Location 1 10A WALL MOUNTED
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-4 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS1360-17A
 Description TEMPERATURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model FENWAL 17023-6
 Safety Function 2 RCIC LEAK DETECTION SYSTEM PBOC TERM
 Plant Location 1 5 WALL MOUNTED
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-6 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS1360-17B
 Description TEMPERATURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model FENWAL 17023-6
 Safety Function 2 RCIC LEAK DETECTION SYSTEM PBOC TERM
 Plant Location 1 5 WALL MOUNTED
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-6 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS1360-17C
 Description TEMPERATURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model FENWAL 17023-6

Safety Function 2 RCIC LEAK DETECTION SYSTEM PBOC TERM
 Plant Location 1 10A IN HV DUCT FROM TORUS AREA
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-4 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DQR

Equipment No TS1360-17D
 Description TEMPERATURE SWITCH M245
 System RCIC CNTM ISOLATION
 Man/Model FENWAL 17023-6
 Safety Function 2 RCIC LEAK DETECTION SYSTEM PBOC TERM
 Plant Location 1 10A IN HV DUCT FROM TORUS AREA
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-4 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DQR

Equipment No TS2370C
 Description TEMPERATURE SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model FENWAL 17023-6 7206
 Safety Function 2 HPCI ISO PBOC TERM
 Plant Location 1 10 IN HV DUCT FROM HPCI VV ROOM
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DQR

Equipment No TS2370D
 Description TEMPERATURE SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model FENWAL 17023-6 7306
 Safety Function 2 HPCI ISO PBOC TERM
 Plant Location 1 10 IN HV DUCT FROM HPCI VV ROOM
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DQR

Equipment No TS2371A
 Description TEMPERATURE SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model FENWAL 17023-6 7107
 Safety Function 2 HPCI ISO PBOC TERM
 Plant Location 1.2 IN HV DUCT FROM HPCI PP ROOM

Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-30 min
 DBE Env Req (F/#/%) -PBOC-5 RAD-3 5X10E4 loca dose only
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS2371B
 Description TEMPERATURE SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model FENWAL 17023-6 65010
 Safety Function 2 HPCI ISO PBOC TERM
 Plant Location 1.2 IN HV DUCT FROM HPCI PP ROOM
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-30 min
 DBE Env Req (F/#/%) -PBOC-5 RAD-3 5X10E4 loca dose only
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS2371C
 Description TEMPERATURE SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model FENWAL 17023-6 7306
 Safety Function 2 HPCI ISO PBOC TERM
 Plant Location 1 10A IN HV DUCT FROM TORUS AREA
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-30 min
 DBE Env Req (F/#/%) -PBOC-4 RAD-3 5X10E4 loca dose only
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS2371D
 Description TEMPERATURE SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model FENWAL 17023-6 7306
 Safety Function 2 HPCI ISO PBOC TERM
 Plant Location 1 10A IN HV DUCT FROM TORUS AREA
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-30 min
 DBE Env Req (F/#/%) -PBOC-4 RAD-3 5X10E4 loca dose only
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS2372C
 Description TEMPERATURE SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model FENWAL 17023-6 7306
 Safety Function 2 HPCI ISO PBOC TERM
 Plant Location 1.10 IN HV DUCT FROM HPCI VV ROOM
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-30 min
 DBE Env Req (F/#/%) -PBOC-1 RAD-NONE not exposed to post-loca recirculation rad

Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DQR

Equipment No TS2372D
 Description TEMPERATURE SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model FENWAL 17023-6 7306
 Safety Function 2 HPCI ISO PBOC TERM
 Plant Location 1.10 IN HV DUCT FROM HPCI VV ROOM
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-30 min
 DBE Env Req (F/#/%)PBOC-1 RAD-NONE not exposed to post-loca recirculation rad
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DQR

Equipment No TS2373A
 Description TEMPERATURE SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model FENWAL 17023-6 65010
 Safety Function 2 HPCI ISO PBOC TERM
 Plant Location 1.2 IN HV DUCT FROM HPCI PP ROOM
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-30 min
 DBE Env Req (F/#/%)PBOC-5 RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DQR

Equipment No TS2373B
 Description TEMPERATURE SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model FENWAL 17023-6 7210
 Safety Function 2 HPCI ISO PBOC TERM
 Plant Location 1.2 IN DUCT FROM HPCI PP ROOM
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-30 min
 DBE Env Req (F/#/%)PBOC-5 RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DQR

Equipment No TS2373C
 Description TEMPERATURE SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model FENWAL 17023-6 7306
 Safety Function 2 HPCI ISO PBOC TERM
 Plant Location 1.10A IN HV DUCT FROM TORUS AREA
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-30 min
 DBE Env Req (F/#/%)PBOC-4 RAD-3.5X10E4 loca dose only
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT

Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS2373D
 Description TEMPERATURE SWITCH M243
 System HPCI CNTM ISOLATION
 Man/Model FENWAL 17023-6 7306
 Safety Function 2 HPCI ISO PBOC TERM
 Plant Location 1 10A IN HV DUCT FROM TORUS AREA
 Operating Time Req/Avail R-LOCA(P)-5 hr R-PBOC-30 min
 DBE Env Req (F/#/%) -PBOC-4 RAD-3 5X10E4 loca dose only
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS261-15A
 Description TEMPERATURE SWITCH M252
 System MAIN STEAM CNTM ISOLATION
 Man/Model FENWAL 17002-40 7308
 Safety Function 2 MAIN STM LINE LEAK DETECTION PBOC TERM
 Plant Location 1 10A IN HV DUCT FROM STEAM TUNNEL
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) -PBOC-4 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS261-15B
 Description TEMPERATURE SWITCH M252
 System MAIN STEAM CNTM ISOLATION
 Man/Model FENWAL 17002-40 7308
 Safety Function 2 MAIN STEAM LINE LEAK DETECTION PBOC TERM
 Plant Location 1 10A IN HV DUCT FROM STEAM TUNNEL
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) -PBOC-4 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS261-15C
 Description TEMPERATURE SWITCH M252
 System MAIN STEAM CNTM ISOLATION
 Man/Model FENWAL 17002-40 7304
 Safety Function 2 MAIN STM LINE LEAK DETECTION PBOC TERM
 Plant Location 1 10A IN HV DUCT FROM STEAM TUNNEL
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) -PBOC-4 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)

QUAL STATUS DOR

Equipment No TS261-15D
 Description TEMPERATURE SWITCH M252
 System MAIN STEAM CNTM ISOLATION
 Man/Model FENWAL 17002-40 7303
 Safety Function 2 MAIN STM LINE LEAK DETECTION PBOC TERM
 Plant Location 1 10A IN HV DUCT FROM STEAM TUNNEL
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-4 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS261-16A
 Description TEMPERATURE SWITCH M252
 System MAIN STEAM CNTM ISOLATION
 Man/Model FENWAL 17002-40 7304
 Safety Function 2 MAIN STM LINE LEAK DETECTION PBOC TERM
 Plant Location 2 11 IN TURB BLDG HV EXH DUCT
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-7 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS261-16B
 Description TEMPERATURE SWITCH M252
 System MAIN STEAM CNTM ISOLATION
 Man/Model FENWAL 17002-40 7304
 Safety Function 2 MAIN STM LINE LEAK DETECTION PBOC TERM
 Plant Location 2 11 IN TURB BLDG HV EXH DUCT
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-7 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS261-16C
 Description TEMPERATURE SWITCH M252
 System MAIN STEAM CNTM ISOLATION
 Man/Model FENWAL 17002-40 7304
 Safety Function 2 MAIN STM LINE LEAK DETECTION PBOC TERM
 Plant Location 2 11 IN TURB BLDG HV EXH DUCT
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-7 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TS261-16D
 Description TEMPERATURE SWITCH M252
 System MAIN STEAM CNTM ISOLATION
 Man/Model FENWAL 17002-40 7304
 Safety Function 2 MAIN SIM LINE LEAK DETECTION PBOC TERM
 Plant Location 2 11 IN TURB BLDG HV EXH DUCT
 Operating Time Req/Avail NR-LOCA R-PBOC-30 min
 DBE Env Req (F/#/%) - PBOC-7 RAD-NONE not required during loca
 Qual Envir TEST CURVE #19 TEST CURVE #20 RAD-1.7X10E5
 Aging THERM-NOT SIGNIFICANT MECH-NOT SIGNIFICANT
 Method of Qualification TEST/SEQUENTIAL/SIMILAR EVALUATION/UTILITY (AGING)
 Supporting Document WYLE RPT 43854-1 GE RPT 145C3004 P&CS MEMO 80-202 (AGING)
 QUAL STATUS DOR

Equipment No TSD-41
 Description THERMOSTAT M282
 System HVAC ECCS UNIT COOLERS
 Man/Model JOHNSON CONTROL
 Safety Function 4C RCIC AREA COOLER
 Plant Location 1 5
 Operating Time Req/Avail NR-LOCA NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not required during loca
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD)
 Notes SCHEDULED REPLACEMENT WITH QUALIFIED UNITS BY 2/81
 QUAL STATUS NYQ POST-PBOC OPERABILITY UNVERIFIED MANUAL CONTROL OF AREA COOLERS AVAILABLE FOR CONTROL PNL
 QUAL PLAN ER 2/81

Equipment No TSD-42
 Description THERMOSTAT M282
 System HVAC ECCS UNIT COOLERS
 Man/Model JOHNSON CONTROL
 Safety Function 4C RCIC AREA COOLER
 Plant Location 1 5
 Operating Time Req/Avail NR-LOCA NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-NONE not required during loca
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD)
 Notes SCHEDULED REPLACEMENT WITH QUALIFIED UNITS BY 2/81
 QUAL STATUS NYQ POST-PBOC OPERABILITY UNVERIFIED MANUAL CONTROL OF AREA COOLERS AVAILABLE FOR CONTROL PNL
 QUAL PLAN ER 2/81

Equipment No TSD-43
 Description THERMOSTAT M282
 System HVAC ECCS UNIT COOLERS
 Man/Model JOHNSON CONTROL
 Safety Function 4C HPCI AREA COOLER
 Plant Location 1 3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD)

Notes SCHEDULED REPLACEMENT WITH QUALIFIED UNITS BY 2/81
 QUAL STATUS NYQ POST-PBOC OPERABILITY UNVERIFIED MANUAL CONTROL OF AREA COOLERS AVAILABLE FOR CONTROL PNL
 QUAL PLAN ER 2/81

Equipment No TSD-44
 Description THERMOSTAT M282
 System HVAC ECCS UNIT COOLERS
 Man/Model JOHNSON CONTROL
 Safety Function 4C HPCI AREA COOLER
 Plant Location 1.3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3.5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD)

Notes SCHEDULED REPLACEMENT WITH QUALIFIED UNITS BY 2/81
 QUAL STATUS NYQ POST-PBOC OPERABILITY UNVERIFIED MANUAL CONTROL OF AREA COOLERS AVAILABLE FOR CONTROL PNL
 QUAL PLAN ER 2/81

Equipment No TSD-45
 Description THERMOSTAT M282
 System HVAC ECCS UNIT COOLERS
 Man/Model JOHNSON CONTROL
 Safety Function 4C RHR AREA COOLER
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir outstanding item (F/#/%) RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD)

Notes SCHEDULED REPLACEMENT WITH QUALIFIED UNITS BY 2/81
 QUAL STATUS NYQ POST-PBOC OPERABILITY UNVERIFIED MANUAL CONTROL OF AREA COOLERS AVAILABLE FOR CONTROL PNL
 QUAL PLAN ER 2/81

Equipment No TSD-46
 Description THERMOSTAT M282
 System HVAC ECCS UNIT COOLERS
 Man/Model JOHNSON CONTROL
 Safety Function 4C RHR AREA COOLER
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir outstanding item (F/#/%) RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD)

Notes SCHEDULED REPLACEMENT WITH QUALIFIED UNITS BY 2/81
 QUAL STATUS NYQ POST-PBOC OPERABILITY UNVERIFIED MANUAL CONTROL OF AREA COOLERS AVAILABLE FOR CONTROL PNL
 QUAL PLAN ER 2/81

Equipment No TSD-47
 Description THERMOSTAT M282
 System HVAC ECCS UNIT COOLERS
 Man/Model JOHNSON CONTROL
 Safety Function 4C RHR AREA COOLER
 Plant Location 1.2

Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir outstanding item (F/#/%) RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD)
 Notes SCHEDULED REPLACEMENT WITH QUALIFIED UNITS BY 2/81
 QUAL STATUS NYQ POST-PBOC OPERABILITY UNVERIFIED MANUAL CONTROL OF AREA COOLERS AVAILABLE FOR CONTROL PNL
 QUAL PLAN ER 2/81

Equipment No TSD-48
 Description THERMOSTAT M282
 System HVAC ECCS UNIT COOLERS
 Man/Model JOHNSON CONTROL
 Safety Function 4C RHR AREA COOLER
 Plant Location 1 2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6 2X10E5
 Qual Envir outstanding item (F/#/%) RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD)
 Notes SCHEDULED REPLACEMENT WITH QUALIFIED UNITS BY 2/81
 QUAL STATUS NYQ POST-PBOC OPERABILITY UNVERIFIED MANUAL CONTROL OF AREA COOLERS AVAILABLE FOR CONTROL PNL
 QUAL PLAN ER 2/81

Equipment No VAC201A
 Description HPCI UNIT COOLER M215
 System HVAC ECCS UNIT COOLERS
 Man/Model GE 5K1B4AL217 outstanding item
 Safety Function 4C HPCI AREA COOLING
 Plant Location 1.3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3 5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-5X10E5
 Aging outstanding item
 Supporting Document GE LTR B/1/80
 QUAL STATUS DOR-A
 QUAL PLAN AA 7/81 FE 7/81

Equipment No VAC201B
 Description HPIC UNIT COOLER M215
 System HVAC ECCS UNIT COOLERS
 Man/Model GE 5K1B4AL217 outstanding item
 Safety Function 4C HPIC AREA COOLING
 Plant Location 1.3
 Operating Time Req/Avail R-5 hr
 DBE Env Req (F/#/%) - NONE not required during hostile pboc RAD-3 5X10E4 loca dose only
 Qual Envir (F/#/%) - NOT REQUIRED RAD-5X10E5
 Aging outstanding item
 Supporting Document GE LTR B/1/80
 QUAL STATUS DOR-A
 QUAL PLAN AA 7/81 FE 7/81

Equipment No VAC204A
 Description RHR UNIT COOLER M215
 System HVAC ECCS UNIT COOLERS
 Man/Model LOUIS-ALLIS CO TYPE C004B 026-2853002

Safety Function 4C RHR AREA COOLING
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN AA 9/81 RA 9/81 FE 9/81

Equipment No VAC204B
 Description RHR UNIT COOLER M215
 System HVAC ECCS UNIT COOLERS
 Man/Model LOUIS-ALLIS CO TYPE CQG4B 026-2853003
 Safety Function 4C RHR AREA COOLING
 Plant Location 1.1
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN AA 9/81 RA 9/81 FE 9/81

Equipment No VAC204C
 Description RHR UNIT COOLER M215
 System HVAC ECCS UNIT COOLERS
 Man/Model LOUIS-ALLIS CO TYPE CQG4B 026-2853004
 Safety Function 4C RHR AREA COOLING
 Plant Location 1.2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN AA 9/81 RA 9/81 FE 9/81

Equipment No VAC204D
 Description RHR UNIT COOLER M215
 System HVAC ECCS UNIT COOLERS
 Man/Model LOUIS-ALLIS CO TYPE CQG4B 026-2853001
 Safety Function 4C RHR AREA COOLING
 Plant Location 1.2
 Operating Time Req/Avail R-30 day
 DBE Env Req (F/#/%) - PBOC-5 RAD-6.2X10E5
 Qual Envir (F/#/%) - IN EXCESS OF REQUIRED RAD-1X10E6
 Aging outstanding item
 Method of Qualification GENERIC EVALUATION/UTILITY (RAD)
 Supporting Document P&CS MEMO 80-238 (RAD) P&CS MEMO 80-186 (F/#/%)
 QUAL STATUS JCO FINAL EVALUATION TO VERIFY APPLICABILITY OF GENERIC STUDIES
 QUAL PLAN AA 9/81 RA 9/81 FE 9/81

Equipment No VEX210A
 Description EXHAUST FAN

System STANDBY GAS TREATMENT
 Man/Model GE 5K254AK299-W1A 6264010
 Safety Function 3/13 SEC CNTM ISO/STNBY GAS TRTMNT
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-5.8X10E6
 Qual Envir (F/#/%) - NOT REQUIRED RAD-5X10E5
 Aging outstanding item
 Supporting Document GE LTR TO BECo 8/1/80
 QUAL STATUS JCO TEMPORARY SHIELDING TO BE INSTALLED TO REDUCE RAD DOSE TO BELOW 5X10E5
 QUAL PLAN ER 11/81

Equipment No VEX210B
 Description EXHAUST FAN
 System STANDBY GAS TREATMENT
 Man/Model GE 5K254AK299-W1A 6262047
 Safety Function 3/13 SEC CNTM ISO/STNBY GAS TRTMNT
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-5.8X10E6
 Qual Envir (F/#/%) - NOT REQUIRED RAD-5X10E5
 Aging outstanding item
 Supporting Document GE LTR TO BECo 8/1/80
 QUAL STATUS JCO TEMPORARY SHIELDING TO BE ERECTED TO REDUCE RAD DOSE TO BELOW 5X10E5
 QUAL PLAN ER 11/81

Equipment No VQTF201A
 Description STANDBY GAS TREATMENT FILTER UNIT A
 System STANDBY GAS TREATMENT
 Man/Model FARR CO. (FILTER MFR) CHROMALOX (HEATER) ASCO/B210C22 (SOV) HONEYWELL/G464-A (RH SENSOR) F
 ENWAL/18023-0 (CARBON TEMP SW) FENWAL/40-102010-115 (HEATER TEMP SW) BRONCO/BRONCO 66 (WIRE)
 Safety Function 13 STNDBY GAS TRTMNT HEATER/WIRING & MISC ELECT EQPT
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-2.1X10E6
 Qual Envir (F/#/%) - NOT REQUIRED outstanding item (RAD)
 Aging outstanding item
 QUAL STATUS NYG
 QUAL PLAN ER 11/81

Equipment No VQTF201B
 Description STANDBY GAS TREATMENT FILTER UNIT B
 System STANDBY GAS TREATMENT
 Man/Model FARR CO. (FILTER MFR) CHROMALOX (HEATER) ASCO/B210C22 (SOV) HONEYWELL/G464-A (RH SENSOR) F
 ENWAL/18023-0 (CARBON TEMP SW) FENWAL/40-102010-115 (HEATER TEMP SW) BRONCO/BRONCO 66 (WIRE)
 Safety Function 13 STNDBY GAS TRTMNT HEATER/WIRING & MISC ELECT EQPT
 Plant Location 1.23
 Operating Time Req/Avail R-LOCA-30 day NR-PBOC
 DBE Env Req (F/#/%) - NONE not required for pboc RAD-2.1X10E6
 Qual Envir (F/#/%) - NOT REQUIRED outstanding item (RAD)
 Aging outstanding item
 QUAL STATUS NYG
 QUAL PLAN ER 11/81

REFERENCES

1. BECo. Ltr. #79-55 to NRC; March 6, 1979
2. BECo Ltr. #79-65 to NRC; March 28, 1979
3. BECo Ltr. #79-117 to NRC; June 15, 1979
4. BECo. Ltr. #79-121 to NRC; June 19, 1979
5. BECo. Ltr. #79-125 to NRC; June 26, 1979
6. BECo. Ltr. #79-171 to NRC; August 28, 1979
7. BECo. Ltr. #80-50 to NRC; March 12, 1980
8. BECo. Ltr. #80-77 to NRC; April 22, 1980
9. BECo. Ltr. #80-151 to NRC; July 22, 1980