

Georgia Power Company
40 Inverness Center Parkway
Post Office Box 1295
Birmingham, Alabama 35201
Telephone 205 877-7279

J. T. Beckham, Jr.
Vice President - Nuclear
Hatch Project



Georgia Power

the southern electric system

HL-2376
003879

September 16, 1992

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

PLANT HATCH - UNIT 2
NRC DOCKET 50-366
OPERATING LICENSE NPF-5
REQUEST FOR ADDITIONAL INFORMATION CONCERNING
THE RESOLUTION OF HUMAN ENGINEERING DISCREPANCIES

Gentlemen:

By letter dated February 6, 1992, Georgia Power Company (GPC) requested the NRC staff's concurrence to exclude seven remaining Human Engineering Discrepancies (HEDs) on Unit 2 from the Detailed Control Room Design Review (DCRDR) project. Resolution of the HEDs involved regrouping and relocation of approximately 378 annunciators. GPC evaluated the control room modifications associated with the seven HEDs and concluded that the changes did not represent a substantial enhancement. Additionally, incorporation of the changes did not represent an increase in the level of safety.

Subsequently, telephone conference calls have been held between GPC representative and NRC staff personnel to provide additional information relative to the remaining HEDs. Additionally, a meeting was held at Plant Hatch on July 8, 1992 to provide an onsite review of the current annunciator arrangements in the Unit 1 and Unit 2 control rooms. Based on the NRC's review, GPC was requested to provide additional information to address the differences in the annunciator arrangements between Unit 1 and Unit 2; the history of the DCRDR project; and additional justification of the level of safety provided by the current arrangement.

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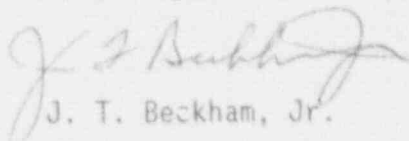
U.S. Nuclear Regulatory Commission

September 16, 1992

Page Two

The enclosures to this letter provide the information requested. Should you have any questions in this regard, please call this office.

Sincerely,


J. T. Beckham, Jr.

DCW/cr

Enclosure

cc: Georgia Power Company
Mr. H. L. Sumner, General Manager - Nuclear Plant
NORMS

U.S. Nuclear Regulatory Commission, Washington, D.C.
Mr. K. Jabbour, Licensing Project Manager - Hatch

U.S. Nuclear Regulatory Commission, Region II
Mr. S. D. Ebnetter, Regional Administrator
Mr. L. D. Wert, Senior Resident Inspector - Hatch

ENCLOSURE

PLANT HATCH - UNIT 2
NRC DOCKET 50-366
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REQUEST FOR ADDITIONAL INFORMATION CONCERNING
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Background and NRC Request

By letter dated February 6, 1992, Georgia Power Company (GPC) requested the NRC staff's concurrence to delete seven open Human Engineering Discrepancies (HEDs) on Unit 2 from the Detailed Control Room Design Review (DCRDR) project. All Unit 1 HEDs have been resolved as of November 20, 1991, and all Unit 2 category 1 and 2 HEDs have been resolved as of June 2, 1991. The resolution of seven of the remaining Unit 2 HEDs involving the regrouping and relocation of 378 annunciators by grouping the annunciators closer to other related annunciators, relocating the annunciators closer to their appropriate systems and controls, and improving consistency between the annunciator panels of both units is requested to be exempted from Human Factors requirements. Four of these HEDs (295, 301, 303, and 472) are category 3 HEDs and three (296, 298 and 302) are category 4 HEDs. Category 3 HEDs include safety-related items having a low probability of ever causing an operational or safety problem. Category 4 HEDs are nonsafety-related items. Early in the categorization process, the HEDs relative to multiple panels or problems were upgraded one category; i.e., a nonsafety-related HED was upgraded to a Category 3. If Hatch had not taken this conservative approach, all HEDs relative to this request would be Category 4.

GPC performed an evaluation of the annunciator modifications and determined that the changes would not provide a significant enhancement relative to the operation of the associated systems or the operator's response to the alarms. The evaluation also determined that the enhancements would not be beneficial to licensed personnel when weighed against the negative transfer of training and experience. Consequently, GPC concluded the seven HEDs should be deleted.

Subsequent to GPC's February 6, 1992 submittal, telephone conference calls between GPC representatives and the NRC staff were held to provide additional information. As a result, examples or illustrations of each of the seven HEDs were provided and a meeting was held at Plant Hatch to provide a review of the Unit 1 and Unit 2 control room panels.

During a meeting held at Plant Hatch on July 8, 1992 GPC was requested to provide additional information for the following topics:

ENCLOSURE (Continued)

REQUEST FOR ADDITIONAL INFORMATION CONCERNING THE RESOLUTION OF HUMAN ENGINEERING DISCREPANCIES

1. A discussion of the current differences in the annunciator locations between the Unit 1 and Unit 2 control rooms and a justification for the acceptability of these differences.
2. A history of the DCRDR project relative to before and after differences in annunciator locations.
3. A justification of the level of safety provided by the current annunciator arrangement.

GPC Response:

Plant Hatch Unit 1 began commercial operation on December 31, 1974 and Unit 2 began commercial operation on September 5, 1979. Although both units have the same basic design, the vintage of each unit resulted in an evolution in the specific design of Unit 2. The evolution resulted from changes in the regulatory requirements relative to system requirements, seismic qualification requirements for electrical equipment, American Society of Mechanical Engineers (ASME) code changes, and others. These evolutions combined with changes in design practices and modifications implemented on each unit resulted in some differences in annunciator locations for each unit.

Attachment 1 provides a detailed listing of the annunciator locations for both Units, prior to the DCRDR project, for control room panels P601, P602, P603, P650, P651, and P654. In summary, approximately 62 percent of the annunciators were located either in the same location on the same panel or located in the same box on the same panel. Approximately 14 percent were either located in a different box in the same panel or located on a different panel. Approximately 24 percent of the locations had no matching window or were blank.

During the control room surveys performed in 1981 and 1985, the DCRDR project reviewed both control rooms to identify the control room design features or absence of features that could adversely affect operator performance. The review of the annunciators was performed in compliance with the criteria specified in NUREG 0700, "Guidelines for Control Room Design Reviews." During the assessment, conflicts were often presented between the separate requirements for annunciator location such as grouping by system, arranging in order of priority, position over related controls or displays, and achieving similarity between the units. In order to achieve the objective of ensuring the control room annunciators provide the system status information, control capabilities, feedback, and analytic

ENCLOSURE (Continued)

REQUEST FOR ADDITIONAL INFORMATION CONCERNING THE RESOLUTION OF HUMAN ENGINEERING DISCREPANCIES

aids necessary for control room operators to accomplish their functions effectively, the DCRDR project placed a higher priority on relocating annunciators above the related controls and displays.

The two control room surveys resulted in 38 annunciator related HEDs. Some of the annunciator HEDs were panel specific while others were generic to all panels. The panel specific annunciator HEDs included discrepancies relative to controls, indicators, layout, and engravings. Panel specific HEDs were evaluated along with other HEDs related to the specific panel. Generic annunciator HEDs were evaluated separately. During the assessment, the same engineering personnel performed the review for the same panel on each unit, as practical. Engineering assessments relative to the arrangement and placement of annunciator windows were encompassed generically for all panels. The assessments of annunciator windows required to achieve segregation of annunciator types was included with the assessments required to achieve proper grouping of annunciator windows. A summary of the results achieved relative to the criteria contained in NUREG 0700 is presented below:

NUREG 0700, Section 6.3.1.2, Alarm Parameter Selection

This section provides guidance relative to setpoints, spurious alarms, general alarms, multi-channel or shared alarms, and multi-unit alarms. The DCRDR program eliminated spurious alarms and multiple inputs where practical. Some guidelines such as those concerning reflash for multiple inputs are beyond the capabilities of the annunciator system at Plant Hatch.

NUREG 0700, Section 6.3.1.3, First Out Annunciators

This section recommends a separate first out panel for the reactor system and recommends a similar first out panel for the turbine generator system. Consequently, first out alarm panels have been provided for the reactor systems and the turbine generator systems.

NUREG 0700, Section 6.3.1.4, Prioritization

This section establishes guidelines for the prioritization of alarms to allow operators to distinguish most important or serious alarms from less important alarms. As a result of the DCRDR program, alarms which require the operator to enter an emergency operating procedure are outlined with a white border.

ENCLOSURE (Continued)

REQUEST FOR ADDITIONAL INFORMATION CONCERNING THE RESOLUTION OF HUMAN ENGINEERING DISCREPANCIES

NUREG 0700, Section 6.3.1.5, Cleared Alarms

This section recommends positive confirmation that an alarm has cleared. At Plant Hatch, the annunciator tile indicates green when an alarm has cleared.

NUREG 0700, Section 6.3.2.1, Signal Detection

This section recommends that the annunciator warning system is capable of rapidly penetrating the operators awareness. The DCRDR program conducted auditory surveys and adjusted sound levels to optimize recognition of and location of an alarm using the auditory alert subsystem.

NUREG 0700, Section 6.3.2.2, Coding

This section recommends auditory coding to improve the operators' response to an alarm. The annunciator system at Plant Hatch has limited capabilities for auditory coding. However, most back panels have a visual alarm located on a front panel.

NUREG 0700, Section 6.3.3.1, Visual Annunciation Panels

This section addresses the guidelines for annunciator location above the related controls. The DCRDR project placed a high priority on locating annunciators above controls. The majority of the HEDs identified during the 1981 control room review concerned annunciators not being located above their related controls. The DCRDR project criteria used to determine annunciator relocations placed a priority on the grouping of systems and locating tiles above related controls. No annunciators, however, have been relocated on Unit 2 as part of the Human Factors annunciator relocation HEDs other than one single window relocation on HED 529 and relocations of annunciators for corresponding instrument relocations. Discussions with operations and training personnel indicate that relocations would have only a small improvement in performance. Operations and training also indicated that there are no specific annunciators which need relocation.

NUREG 0700, Section 6.3.3.2, Visual Alarm Recognition and Identification

This section provides guidelines for visual recognition and identification of alarmed tiles. The concept of a "dark" annunciator panel is included in this section. The achievement of a "dark" panel concept was a primary objective of the DCRDR project. Numerous alarm circuits were modified to minimize the number of tiles illuminated under normal operating conditions.

ENCLOSURE (Continued)

REQUEST FOR ADDITIONAL INFORMATION CONCERNING THE RESOLUTION OF HUMAN ENGINEERING DISCREPANCIES

NUREG 0700, Section 6.3.3.3, Arrangement of Visual Alarm Tiles

This section provides guidance for annunciator arrangement. A DCRDR project priority was to group system annunciators together and locate the annunciators above their related controls as opposed to obtaining similarity between the units. As a result, the annunciator relocations performed on Unit 1 improved groupings by system and the tiles are more closely located above system controls. Consequently, the differences between the two units relative to similarities in annunciator locations were increased. The annunciator relocations on Unit 2 which are proposed to be deleted would further increase these differences.

NUREG 0700, Section 6.3.3.4, Visual Tile Legends and Section 6.3.3.5, Visual Tile Readability

This section provides guidelines for concise and consistent annunciator wording, abbreviations, and acronyms. Guidance is also provided for viewing distance, type style, and letter dimensions. Implementation of surface enhancements was a primary objective of the DCRDR project. As a result, surface tiles were replaced with new tiles meeting strict standards for content, order, abbreviations, and acronyms. The implementation of surface enhancements consists as the primary modifications performed on Unit 2.

As discussed previously, implementation of the annunciator relocations on Unit 1 was performed to locate the annunciator over the controls. However, the relocations resulted in an increase in the differences in annunciator locations between the units. A review of 25 LERs since the relocations on Unit 1 (November 22, 1991 through July 30, 1992) has shown no LERs due to differences in the annunciator locations. One LER on the HPCI system (LER 1-91-007) was caused due to a relay cover misalignment causing a HPCI system isolation annunciation; however, is not related to locations of annunciators. Attachment 2 provides a detailed listing of the present annunciator locations for control room panels P601, P602, P603, P650, P651, and P654. At present, approximately 54 percent are located either in the same location in the same panel or located in the same box on the same panel. Approximately 21 percent are located in a different box on the same panel or located on a different panel. Approximately 25 percent have no matching window or are blank windows. In response to the NRC staff's request, a detailed comparison was performed to determine the reason for the differences between the Unit 1 and Unit 2 P601, P602, P603, P650, P651, and P654 panels. Attachment 3 provides a detailed listing of the annunciator differences. Please note that only annunciators having different locations are listed. In summary, 31 percent of the current

ENCLOSURE (Continued)

REQUEST FOR ADDITIONAL INFORMATION CONCERNING
THE RESOLUTION OF HUMAN ENGINEERING DISCREPANCIES

annunciator locations are an exact match between the units. Approximately 37 percent of the annunciators are in different locations due to the annunciators being located over the associated controls. Approximately 3 percent are different as the Unit 2 controls are unique to Unit 2. Approximately 8 percent are blank windows. Approximately 21 percent are in different locations; however, the DCRDR assessment concluded that relocation was unnecessary.

In considering the surface enhancements implemented on both units' control rooms and the annunciator relocations implemented on Unit 1, GPC has concluded that the DCRDR review and assessment has accomplished the objective of providing the control room with the system status information, control capabilities, feedback, and analytic aids necessary for control room operators to accomplish their functions effectively. The differences in annunciator locations between the units does not represent a degradation to the operators functions. The operators respond to annunciators based on the illuminated tile and by reading the window rather than the location of the annunciator. Additionally, the operator's response is governed by administrative controls and the annunciator response procedures. Also, the annunciators at Plant Hatch which require entry into the emergency operating procedures are white banded for clarity and ready recognition. These measures provide adequate confidence in the annunciator systems. Therefore, there is no safety concern due to different annunciator locations between the units.

In conclusion, the critical aspects of the annunciator systems have been resolved. These consisted of the arrangement of the response buttons in the same order for most panels, significantly eliminating nuisance annunciators, separating the dual input alarms as practical, retiling most of the annunciators for a common letter format, and rewording most annunciators to a common abbreviation and terminology standard. Consequently, GPC has concluded the present annunciator configurations represent an adequate level of safety. GPC believes the deletion of the subject annunciator related HEDs from Unit 2 will not decrease the level of safety at which the plant is operated as the benefits from regrouping and relocating the 378 Unit 2 annunciators are not justified when compared to the negative transfer of training and experience from the existing arrangement.

ATTACHMENT 1

PLANT HATCH - UNIT 2
NRC DOCKET 50-366
OPERATING LICENSE NPF-5
ANNUNCIATOR LOCATIONS ON BOTH UNITS
PRIOR TO UNIT 1 RELOCATIONS

SUMMARY OF ANNUNCIATOR EVALUATION
PRIOR TO UNIT 1 RELOCATIONS
HATCH UNITS 1 AND 2

Category	Description
1	Window located in the same location on the same panel and box
2	Window located in the same box on the same panel
3	Window located in a different box on the same panel
4	Window located on a different panel
5	No matching window on the panels evaluated

PANEL	TOTAL WINDOWS	1	2	CATEGORY 3	4	5	BLANK
P601	114	118	5	4	1	12	4
P602	144	23	8	70	17	25	1
P603	108	77	11	0	1	7	12
P650	162	82	12	1	4	49	14
P651	96	69	9	2	1	9	6
P654	90	39	13	0	3	10	25
TOTAL	744	408	58	77	27	112	62

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
** 1 Same Panel/Box/Window RADWASTE EFFL RADIATION HIGH	P601/1/01	P601/1/01
SBGT/DRYWELL AND TORUS RADIATION HIGH	P601/1/02	P601/1/02
REFUELING FLOOR VENT EXHAUST RADIATION HI-HI	P601/1/03	P601/1/03
TURBINE BLDG VENT FLTR INIK RADIATION HIGH	P601/1/04	P601/1/04
POSTTREATMENT O/G RADIATION HI-HI-HI/INOP	P601/1/05	P601/1/05
O/G AVG ANNUAL REL LIMIT WILL BE EXCEEDED	P601/1/06	P601/1/06
SERVICE WATER EFFLUENT RADIATION HIGH	P601/1/07	P601/1/07
RX BLDG VENT / SBGT RADIATION DN SC	P601/1/08	P601/1/08
REFUELING FLOOR VENT EXHAUST RADIATION HIGH	P601/1/09	P601/1/09
TURBINE BLDG VENT FLTR DISCH RADIATION HIGH	P601/1/10	P601/1/10
POSTTREATMENT OFF GAS RADIATION HI-HI	P601/1/11	P601/1/11
FBCCW RADIATION HIGH	P601/1/13	P601/1/13

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
REFUELING FLOOR VENT EXHAUST RADIATION DNSC	P601/1/15	P601/1/15
TURBINE BLDG VENT FLTR DISCH RADIATION DNSC	P601/1/16	P601/1/16
POSTTREATMENT OFF GAS RADIATION HIGH	P601/1/17	P601/1/17
LIQUID PROCESS RADIATION DNSC/INOP	P601/1/19	P601/1/19
REFUELING FLOOR VENT FLTR DISCH RADIATION HIGH	P601/1/21	P601/1/21
POSTTREATMENT OFF GAS RADIATION DNSC	P601/1/23	P601/1/23
MAIN STEAM LINE RADIATION HIGH	P601/1/25	F501/1/25
REFUELING FLOOR VENT FLTR DISCH RADIATION DNSC	P601/1/27	P601/1/27
PRETREATMENT O/G RADIATION DOWNSCALE/INOP	P601/1/28	P601/1/28
POSTTREATMENT O/G SAMPLE FLOW HIGH/LOW	P601/1/29	P601/1/29
MAIN STEAM LINE RADIATION DOWNSCALE	P601/1/31	P601/1/31
TX BLDG VENT FLTR DISCH RADIATION HIGH	P601/1/32	P601/1/32

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
RX BLDG VT MON HIGH/LOW FLOW DOWNSCALE/INOP	P601/1/33	P601/1/33
PRETREATMENT O/G SAMPLE FLOW HIGH/LOW	P601/1/34	P601/1/34
CARBON BED VAULT RADIATION HIGH	P601/1/35	P601/1/35
CARBON BED VAULT RADIATION DN SC	P601/1/36	P601/1/36
CORE SPRAY SYSTEM II ACTUATED	P601/2/01	P601/2/01
CORE SPRAY PUMP B TRIP	P601/2/02	P601/2/02
HPCI TURBINE TRIP	P601/2/03	P601/2/03
HPCI STEAM LINE DIFF PRESS HIGH	P601/2/04	P601/2/04
HPCI AUX OIL PUMP OVERLOAD	P601/2/06	P601/2/06
CORE SPRAY SYS II LOGIC POWER FAILURE	P601/2/07	P601/2/07
CS PUMP B OVLDT / LOCKOUT RELAY TRIP	P601/2/08	P601/2/08
HPCI TURBINE TRIP SOLENOID ENERGIZED	P601/2/09	P601/2/09

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
HPCI TURBINE INLET DRAIN POT LEVEL HIGH	P601/2/10	P601/2/10
HPCI VALVES OVERLOAD	P601/2/11	P601/2/11
HPCI TURBINE BRG OIL PRESS LOW	P601/2/12	P601/2/12
CORE SPRAY SYSTEM II VALVES OVERLOAD	P601/2/13	P601/2/13
HPCI ISOLATION TRIP LOGIC A INITIATED	P601/2/15	P601/2/15
HPCI TURBINE EXH DIAPHRAGM PRESS HIGH	P601/2/16	P601/2/16
HPCI PUMP SUCT PRESS LOW	P601/2/17	P601/2/17
HPCI TURBINE OIL CLR DISCH TEMP HIGH	P601/2/18	P601/2/18
CORE PLATE TOP TO SPRAY HDR E DIFF PRESS HIGH	P601/2/19	P601/2/19
HPCI SYSTEM INVERTER CIRCUIT FAILURE	P601/2/20	P601/2/20
HPCI ISOLATION TRIP LOGIC B INITIATED	P601/2/21	P601/2/21
HPCI TURB EXH PRESS HIGH	P601/2/22	P601/2/22

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
HPCI PUMP SUCT PRESS HIGH	P601/2/23	P601/2/23
HPCI OIL FILTER DIFF PRESS HIGH	P601/2/24	P601/2/24
CORE SPRAY B DISCH PIPE PRESS HIGH	P601/2/25	P601/2/25
HPCI LOGIC BUS POWER FAILURE	P601/2/26	P601/2/26
TOKUS LEVEL HIGH	P601/2/27	P601/2/27
HPCI TURBINE EXH DRAIN POT LEVEL HIGH	P601/2/28	P601/2/28
HPCI BAROM CNDSR LEVEL HIGH	P601/2/29	P601/2/29
HPCI OTT. TANK LEVEL LOW	P601/2/30	P601/2/30
CORE SPRAY IN TEST STATUS	P601/2/31	P601/2/31
HPCI LEAK DET LOGIC POWER FAILURE	P601/2/32	P601/2/32
COND STOR TANK LEVEL LOW	P601/2/33	P601/2/33
HPCI BAROM CNDSR PRESS HIGH	P601/2/34	P601/2/34

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
HPCI BAROM CNDSR LEVEL LOW	P601/2/35	P601/2/35
RHR SYSTEM II ACTUATED	P601/3/01	P601/3/01
RHR PUMP B TRIP	P601/3/02	P601/3/02
RHR PUMP C TRIP	P601/3/03	P601/3/03
RHR IN TEST STATUS	P601/3/04	P601/3/04
RHR SYSTEM I ACTUATED	P601/3/05	P601/3/05
RHR PUMP A TRIP	P601/3/06	P601/3/06
RHR RELAY LOGIC B POWER FAILURE	P601/3/07	P601/3/07
RHR PUMP B OVL D / LOCKOUT RELAY TRIP	P601/3/08	P601/3/08
RHR PUMP C OVL D / LOCKOUT RELAY TRIP	P601/3/09	P601/3/09
RHR HX A/B CLG WATER DISCH TEMP HIGH	P601/3/10	P601/3/10
RHR RELAY LOGIC A POWER FAILURE	P601/3/11	P601/3/11
RHR PUMP A OVL D / LOCKOUT RELAY TRIP	P601/3/12	P601/3/12

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
RHR CROSSTIE VALVE 2E11-F010 OPEN	P601/3/13	P601/3/13
RHR LOOP B INJECT VALVES OVERLOAD	P601/3/14	P601/3/14
RHR HX B DIFF PRESS LOW	P601/3/15	P601/3/15
RHR HX A/B INLET WATER TEMP HIGH	P601/3/16	P601/3/16
RHR LOOP A INJECT VALVES OVERLOAD	P601/3/18	P601/3/18
RHR LOOP B VALVES OVERLOAD	P601/3/20	P601/3/20
CNMT SPRAY B INJECT VALVES OVERLOAD	P601/3/21	P601/3/21
RHR LOOP A VALVES OVERLOAD	P601/3/24	P601/3/24
HPCI TURBINE IN TEST STATUS	P601/3/25	P601/3/25
RHR SERV WATER PUMP B TRIP	P601/3/26	P601/3/26
RHR SERV WATER PUMP D TRIP	P601/3/27	P601/3/27
RHR CNMT SPRAY OR SERV WTR PMP SEL IN OVERRIDE	P601/3/28	P601/3/28

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
RHR SERV WTR PUMP A TRIP	P601/3/30	P601/3/30
HPCI PUMP DISCHARGE FLOW LOW	P601/3/31	P601/3/J1
RHR SERV WATER PUMP B OVERLOAD	P601/3/32	P601/3/32
RHR SERV WATER PUMP D OVERLOAD	P601/3/33	P601/3/33
RHR SYS DISCH & SHUTDOWN SUCT HDS PRESS HIGH	P601/3/34	P601/3/34
RHR SERV WTR PUMP A OVERLOAD	P601/3/36	P601/3/36
RHR PUMP D TRIP	P601/4/01	P601/4/01
DRYWELL HIGH PRESSURE INITIATION	P601/4/02	P601/4/02
CORE SPRAY A JOCKEY PUMP SYS WATER LEVEL LOW	P601/4/03	P601/4/03
CORE SPRAY SYSTEM I ACTUATED	P601/4/04	P601/4/04
CORE SPRAY PUMP A TRIP	P601/4/05	P601/4/05
RX BLDG RADIATION HIGH	P601/4/06	P601/4/05

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
RHR PUMP D OVL D / LOCKOUT RELAY TRIP	P601/4/07	P601/4/07
REACTOR LOW LEVEL INITIATION	P601/4/08	P601/4/08
LEAK DET A LOGIC IN TEST STATUS	P601/4/09	P601/4/09
CORE SPRAY SYS I LOGIC POWER FAILURE	P601/4/10	P601/4/10
CS PUMP A OVL D / LOCKOUT RELAY TRIP	P601/4/11	P601/4/11
REFUELING FLOOR AREA RADIATION HIGH	P601/4/12	P601/4/12
RHR HX A DIFF PRESS LOW	P601/4/13	P601/4/13
REACTOR PRESS LOW 500 PSIG	P601/4/14	P601/4/14
LEAK DET B LOGIC IN TEST STATUS	P601/4/15	P601/4/15
CORE SPRAY SYSTEM I VALVES OVERLOAD	P601/4/16	P601/4/16
CNMI SPRAY A INJECT VALVES OVERLOAD	P601/4/19	P601/4/19
REACTOR LEVEL LOW	P601/4/20	P601/4/20

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
LEAK DET DIFF TEN- HIGH	P601/4/21	P601/4/21
CORE PLATE TOP TO SPRAY HDR A DIFF PRESS HIGH	P601/4/22	P601/4/22
TURBINE BLDG RADIATION HIGH	P601/4/24	P601/4/24
RHR SERV WATER PUMP C TRIP	P601/4/25	P601/4/25
LEAK DET AMBIENT TEMP HIGH	P601/4/27	P601/4/27
CORE SPRAY A DISCH PIPE PRESS HIGH	P601/4/28	P601/4/28
RADIASTE BLDG RADIATION HIGH	P601/4/30	P601/4/30
RHR SERV WATER PUMP C OVERLOAD	P601/4/31	P601/4/31
AREA RADIATION MONITORS DOWNSCALE	P601/4/36	P601/4/36
DRIVE MOTOR A TRIP	P602/1/01	P602/1/01
FLUID DRIVE A OIL TEMP LOW	P602/1/02	P602/1/02
GENERATOR A LOCKOUT	P602/1/03	P602/1/03

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
PUMP MOTOR A VIBRATION HIGH	P602/1/04	P602/1/04
DRIVE MOTOR A DIFF CURRENT	P602/1/07	P602/1/07
FLUID DRIVE A OIL TEMP HIGH	P602/1/08	P602/1/08
GENERATOR A AUX LOCKOUT	P602/1/09	P602/1/09
RECIRC PUMP A & B HIGH PRESS/LOW LEVEL TRIP	P602/1/11	P602/1/11
DRIVE MOTOR A OVERLOAD	P602/1/13	P602/1/13
FLUID DRIVE A OIL PRESS LOW	P602/1/14	P602/1/14
GENERATOR A FIELD GROUND	P602/1/15	P602/1/15
OUTER SEAL A LEAK DETECTION FLOW HIGH	P602/1/16	P602/1/16
DRIVE MOTOR A GROUND	P602/1/19	P602/1/19
GENERATOR A INTERNAL AIR TEMP HIGH	P602/1/21	P602/1/21
PUMP A SEAL STAGING FLOW HIGH/LOW	P602/1/22	P602/1/22
DRIVE MOTOR A INTERNAL AIR TEMP HIGH	P602/1/25	P602/1/25

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
FLUID DRIVE A SCOOP TUBE LOCK	P602/1/26	P602/1/26
RECIRC LOOP A OUT OF SERVICE	P602/1/27	P602/1/27
PUMP A SEAL CLOSED COOLING WATER FLOW LOW	P602/1/28	P602/1/28
MG SET A DC CONTROL POWER TRANSFER	P602/1/31	P602/1/31
SPEED CONTROL A SIGNAL FAILURE	P602/1/32	P602/1/32
START-UP SEQUENCE A INCOMPLETE	P602/1/33	P602/1/33
RECIRC A FLOW LIMIT	P602/1/34	P602/1/34
SCRAM DISCH VOL HIGH LEVEL TRIP	P603/1/01	P603/1/01
TURB CNTRL VLV FAST CLOSURE TRIP	P603/1/02	P603/1/02
TURB STOP VLV CLOSURE TRIP	P603/1/03	P603/1/03
MSIVS NOT FULLY OPEN TRIP	P603/1/04	P603/1/04
REACTOR VESSEL HIGH PRESSURE TRIP	P603/1/05	P603/1/05
PRIMARY CNMT HIGH PRESSURE TRIP	P603/1/06	P603/1/06

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
MAIN STEAM LINE HIGH RADIATION TRIP	P603/1/07	P603/1/07
REACTOR VESSEL LOW LEVEL TRIP	P603/1/08	P603/1/08
REACTOR NEUTRON MONITORING SYS TRIP	P603/1/09	P603/1/09
SCRAM DISCH VOL HIGH LEVEL TRIP BYPASS	P603/1/10	P603/1/10
TURB CN'L VLV FAST CL & STOP VLV SCRAM BYP	P603/1/12	P603/1/12
MSIV CLOSURE TRIP BYPASS	P603/1/13	P603/1/13
REACTOR AUTO SCRAM SYSTEM A TRIP	P603/1/17	P603/1/17
REACTOR AUTO SCRAM SYSTEM B TRIP	P603/1/18	P603/1/18
SCRAM DISCH VOL NOT DRAINED	P603/1/19	P603/1/19
REACTOR MANUAL SCRAM SYSTEM A TRIP	P603/1/26	P603/1/26
REACTOR MANUAL SCRAM SYSTEM B TRIP	P603/1/27	P603/1/27
CRD PUMP A BREAKER TRIP	P603/1/28	P603/1/28

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
CRD PUMP B BREAKER TRIP	P603/1/29	P603/1/29
DRIVE WTR FLTR DIFF PRESS HIGH	P603/1/30	P603/1/30
SCRAM VLV PILOT AIR HDR PRESS HIGH/LOW	P603/1/31	P603/1/31
FEEDWATER CONTROL SYSTEM SIGNAL FAILURE	P603/1/32	P603/1/32
SSLC TANK LEVEL HIGH/LOW	P603/1/33	P603/1/33
MODE SWITCH SHUTDOWN TRIP BYPASS	P603/1/36	P603/1/36
CRD PUMP A OVERLOAD	P603/1/37	P603/1/37
CRD PUMP B OVERLOAD	P603/1/38	P603/1/38
CHARGING WATER PRESSURE HIGH	P603/1/39	P603/1/39
CRD HYD TEMP HIGH	P603/1/40	P603/1/40
REACTOR VESSEL WATER LEVEL HIGH/LOW	P603/1/41	P603/1/41
SSLC TANK TEMP HIGH/LOW	P603/1/42	P603/1/42

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
CRD PUMP A SUCTION PRESS LOW	P603/1/46	P603/1/46
CRD PUMP B SUCTION PRESS LOW	P603/1/47	P603/1/47
CRD ACCUMULATOR PRESS LOW OR LEVEL HIGH	P603/1/48	P603/1/48
SBLC PUMP SUCTION TEMP LOW	P603/1/51	P603/1/51
SBLC LOSS OF CONTINUITY TO SQUIB VALVE	P603/1/52	P603/1/52
VESSEL FLANGE SEAL LEAK	P603/1/53	P603/1/53
APRM BUS A UPSCALE TRIP OR INOP	P603/2/01	P603/2/01
RRM UPSCALE OR INOPERATIVE	P603/2/02	P603/2/02
IRM BUS A UPSCALE TRIP OR INOP	P603/2/03	P603/2/03
SRM UPSCALE OR INOPERATIVE	P603/2/04	P603/2/04
REACTOR VESSEL LEVEL 2 DIV I TRIP	P603/2/05	P603/2/05
REACTOR VESSEL LEVEL 2 DIV II TRIP	P603/2/06	P603/2/06

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
GROUP I SYSTEM A TRIP	P603/2/08	P603/2/08
GROUP I SYSTEM B TRIP	P603/2/09	P603/2/09
APRM BUS B UPSCALE TRIP OR INOP	P603/2/10	P603/2/10
RRM DOWNSCALE	P603/2/11	P603/2/11
IRM BUS B UPSCALE TRIP OR INOP	P603/2/12	P603/2/12
SRM DOWNSCALE	P603/2/13	P603/2/13
MAIN STEAM LINE FLOW A HIGH	P603/2/14	P603/2/14
MAIN STEAM LINE FLOW B HIGH	P603/2/15	P603/2/15
APRM UPSCALE	P603/2/19	P603/2/19
APRM FLOW REF OFF NORMAL	P603/2/20	P603/2/20
IRM UPSCALE	P603/2/21	P603/2/21
SRM DETECTOR RETRACTED WHEN NOT PERMITTED	P603/2/22	P603/2/22
STEAM TUNNEL TEMPERATURE A HIGH	P603/2/23	P603/2/23

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
STEAM TUNNEL TEMPERATURE B HIGH	P603/2/24	P603/2/24
APRM DOWNSCALE	P603/2/28	P603/2/28
IRM DOWNSCALE	P603/2/30	P603/2/30
SRM PERIOD	P603/2/31	P603/2/31
MAIN STEAM LINE PRESS A LOW	P603/2/32	P603/2/32
MAIN STEAM LINE PRESS B LOW	P603/2/33	P603/2/33
ROD SEQUENCE CONTROL SYSTEM MALFUNCTION	P603/2/36	P603/2/36
LPRM UPSCALE	P603/2/37	P603/2/37
POD OUT BLOCK	P603/2/38	P603/2/38
RMCS/RWM ROD BLOCK OR SYS TROUBLE	P603/2/39	P603/2/39
LOW CONDENSER VACUUM A BYPASS	P603/2/41	P603/2/41
LOW CONDENSER VACUUM B BYPASS	P603/2/42	P603/2/42
TORUS/DRYWELL ISO VLV AUTO CLOSURE BYPASS	P603/2/43	P603/2/43

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
ALL A/B SEQ RODS NOT FULL OUT	P603/2/45	P603/2/45
LPRM DOWNSCALE	P603/2/46	P603/2/46
ROD DRIFT	P603/2/47	P603/2/47
ROD OVERTRAVEL	P603/2/48	P603/2/48
TORUS VACUUM RELIEF VALVE F310 OPEN	P603/2/50	P603/2/50
TORUS VACUUM RELIEF VALVE F311 OPEN	P603/2/51	P603/2/51
TIP SHEAR VALVE CLOSED OR CIRCUIT OPEN	P603/2/52	P603/2/52
A RODS BYPASSED	P603/2/53	P603/2/53
B RODS BYPASSED	P603/2/54	P603/2/54
CIRC WTR PUMP SUMP LEVEL HIGH	P650/P/05	P650/P/05
PSW VALVE PIT SUMPS LEVEL HIGH	P650/P/06	P650/P/06
CONTROL BLDG SUMPS LEVEL HIGH	P650/P/07	P650/P/07
PSW PUMP 2A OVLID/LOCKOUT RELAY TRIP	P650/P/10	P650/P/10

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION:	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
RADWASTE DIL VALVE PIT SUMP LEVEL HIGH	P650/P/17	P650/P/17
PSW PUMP 2B OVL/D/LOCKOUT RELAY TRIP	P650/P/20	P650/P/20
PSW PUMP 1C OVL/D/LOCKOUT RELAY TRIP	P650/P/30	P650/P/30
PSW PUMP 2D OVL/D/LOCKOUT RELAY TRIP	P650/P/40	P650/P/40
FUEL POOL PD SYSTEM TROUBLE	P650/P/43	P650/P/43
RBCCW SURGE TK LEVEL LOW OR EXCESS LEAKAGE	P650/P/48	P650/P/48
RBCCW HX OUTLET TEMP HIGH	P650/P/49	P650/P/49
RADWASTE BLDG VENT SYSTEM TROUBLE	P650/P/53	P650/P/53
RBCCW SURGE TK LEVEL HIGH	P650/P/58	P650/P/58
RBCCW HX OUTLET TEMP LOW	P650/P/59	P650/P/59
RFPT 2A/B FMERG DC OIL PUMPS C003/C010 OVL/D	P650/R/03	P650/R/03
RFPT 2A SPEED ZERO	P650/R/04	P650/R/04

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
RFPT 2A THRUST BRG WEAR TRIP	P650/R/05	P650/R/05
RFPT 2B SPEED ZERO	P650/R/06	P650/R/06
RFPT 2B THRUST BRG WEAR TRIP	P650/R/07	P650/R/07
RFPT 2A THRUST BRG WEAR TRIP LOCKOUT	P650/R/08	P650/R/08
RFPT 2B THRUST BRG WEAR TRIP LOCKOUT	P650/R/09	P650/R/09
RFPT/RFP A BRG OIL PRESS LOW	P650/R/10	P650/R/10
RFPT/RFP B BRG OIL PRESS LOW	P650/R/11	P650/R/11
RFPT 2A OIL RESERVOIR LEVEL LOW	P650/R/12	P650/R/12
RFPT 2A BRG OIL TEMP HIGH	P650/R/13	P650/R/13
RFPT 2B OIL RESERVOIR LEVEL LOW	P650/R/14	P650/R/14
RFPT 2B BRG OIL TEMP HIGH	P650/R/15	P650/R/15
PSW TO CIRC WTR FLAME DIFF TEMP HIGH	P650/R/18	P650/P/18

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANFL/BOX/WINDOW	PANEL/BOX/WINDOW
POLISHING DEMINERALIZER ALARM	P650/R/20	P650/R/20
RHR SW PUMPS BRG TEMP HIGH	P650/R/22	P650/R/22
RFPT 2A EMERG DC OIL PUMP RUNNING	P650/R/23	P650/R/23
RFPT 2B EMERG DC OIL PUMP RUNNING	P650/R/24	P650/R/24
RFPT 2A TRIP	P650/R/25	P650/R/25
RFPT 2B TRIP	P650/R/26	P650/R/26
RFPT 2A BRG TEMP HIGH	P650/R/29	P650/R/29
RFPT 2A EXCESSIVE VIBRATION	P650/R/31	P650/R/31
RFPT 2B EXCESSIVE VIBRATION	P650/R/32	P650/R/32
RFPT 2B BRG TEMP HIGH	P650/R/33	P650/R/33
RHR SERV WTR DIV I STRAINER DIFF PRESS HIGH	P650/R/35	P650/R/35
RHR SERV WTR DIV II STRAINER DIFF PRESS HIGH	P650/R/36	P650/R/36

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
TURBINE VACUUM LOW	P650/T/02	P650/T/02
PSW MAIN HDR DIV I PRESS LOW	P650/T/03	P650/T/03
TURB SHAFT PUMP DISCH PRESS LOW TRIP	P650/T/04	P650/T/04
TURBINE OVERSPEED TRIP	P650/T/05	P650/T/05
EHC FLUID PRESS TRIP	P650/T/06	P650/T/06
EHC FLUID RESERVOIR LEVEL HIGH/LOW	P650/T/07	P650/T/07
EHC FLUID TEMP HIGH/LOW OR FLTR DIFF ALARM	P650/T/08	P650/T/08
TURBINE OIL TANK LEVEL HIGH/LOW	P650/T/10	P650/T/10
MSR DIFF TEMP HIGH	P650/T/11	P650/T/11
TURBINE METAL DIFF TEMP HIGH	P650/T/13	P650/T/13
MOTOR SUCTION PUMP OVERLOAD	P650/T/14	P650/T/14
TGOP/EBOP OVERLOAD	P650/T/15	P650/T/15

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
VAPOR EXTRACTOR FAILURE	P650/T/21	P650/T/21
TURBINE EXHAUST HOOD TEMP HIGH	P650/T/22	P650/T/22
EXHAUST HOOD TEMPERATURE TRIP	P650/T/23	P650/T/23
STEAM SEAL PRESS LOW	P650/T/25	P650/T/25
MAIN STOP VALVES 1 AND 4 CLOSED	P650/T/26	P650/T/26
MAIN STOP VALVES 2 AND 3 CLOSED	P650/T/27	P650/T/27
INTERCEPT VALVES 1 AND 2 CLOSED	P650/T/28	P650/T/28
INTERCEPT VALVES 3 AND 4 CLOSED	P650/T/29	P650/T/29
INTERMEDIATE STOP VLVS 1&2 CLOSED	P650/T/30	P650/T/30
INTERMEDIATE STOP VLVS 3&4 CLOSED	P650/T/31	P650/T/31
TURBINE SPEED ZERO	P650/T/33	P650/T/33
SHAFT VIB/ EXPANSION ALARM	P650/T/36	P650/T/36

ANNUNCIATOR WINDOWS
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	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
4160V STA SVC FDR BRKR TRIP	P650/T/37	P650/T/37
600V STA SVC FDR BRKR TRIP	P650/T/38	P650/T/38
EBOP RUNNING	P650/T/39	P650/T/39
TURB OIL TANK LEVEL HIGH-HIGH	P650/T/42	P650/T/42
LOSS OF STATOR COOLANT TRIP	P650/T/45	P650/T/45
INIK SCREEN OR LOW RIVER LEVEL ALARM	P650/T/47	P650/T/47
TURBINE SUPV EQUIP POWER FAILURE	P650/T/50	P650/T/50
STBY CONDENSATE OR BOOSTER PUMP RUNNING	P650/T/51	P650/T/51
QUILL SHAFT FAILURE	P650/T/52	P650/T/52
TGOP START FAILURE	P650/T/53	P650/T/53
STANDBY EHC PUMP RUNNING	P650/T/54	P650/T/54
MOTOR SUCTION PUMP RUNNING	P650/T/55	P650/T/55

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
PSW MAIN HDR DIV II PRESS LOW	P650/T/56	P650/T/56
EHC FLUID RESERVOIR LEVEL HIGH-HIGH	P650/T/58	P650/T/58
MSR HIGH LEVEL TRIP	P650/T/60	P650/T/60
EHC POWER LOSS	P650/T/61	P650/T/61
BELLOWS FAILURE	P650/T/62	P650/T/62
CONDENSER ROOM FLOODING	P650/T/64	P650/T/64
GENERATOR NEGATIVE SEQUENCE	P651/E/01	P651/E/01
GEN/EXCTR FIELD GROUND DET RELAY	P651/E/03	P651/E/03
GENERATOR LOSS OF EXCITATION	P651/E/05	P651/E/05
GENERATOR IMPEDANCE RELAY TRIPPED	P651/E/06	P651/E/06
GENERATOR PUS COOLING ALARM	P651/E/07	P651/E/07
GENERATOR VOLTS HERTZ HIGH	P651/E/08	P651/E/08

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
GEN FIELD OVERVOLTAGE EXCITER TRIPPED	P651/E/09	P651/E/09
VOLT BALANCE RELAY REGULATOR TRIP	P651/E/10	P651/E/10
MCC 2E-B NORMAL FDDR BRKR TRIPPED	P651/E/11	P651/E/11
MAIN XFMR WINDING TEMP HIGH	P651/E/13	P651/E/13
UNIT AUX XFMR 2A MISC ALARM	P651/E/14	P651/E/14
UNIT AUX XFMR 2A WINDING TEMP HIGH	P651/E/15	P651/E/15
UNIT AUX XFMR 2B MISC ALARM	P651/E/16	P651/E/16
UNIT AUX XFMR 2B WINDING TEMP HIGH	P651/E/17	P651/L/17
STARTUP AUX XFMR 2C MISC ALARM	P651/E/18	P651/E/18
STARTUP AUX XFMR 2C WINDING TEMP HIGH	P651/E/19	P651/E/19
STARTUP AUX XFMR 2D MISC ALARM	P651/E/20	P651/E/20
STARTUP AUX XFMR 2D WINDING TEMP HIGH	P651/E/21	P651/E/21

ANNUNCIATOR WINDOWS
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	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
HEA RELAY TRIPPED	P651/E/22	P651/E/22
STA SERVICE SUPPLY BREAKER TRIPPED	P651/E/23	P651/E/23
EXCITER FIELD OVERCURRENT	P651/E/24	P651/E/24
125/250V BATTERY VOLTS LOW	P651/E/25	P651/E/25
125/250V BATT CHGR MALFUNCTION	P651/E/26	P651/E/26
125/250V BATTERY GND FAULT	P651/E/27	P651/E/27
MCC 2E-A ALT FDR BRKR TRIPPED	P651/E/28	P651/E/28
24/48V BATT VOLTS LOW	P651/E/29	P651/E/29
24/48V BATT CHGR MALFUNCTION	P651/E/30	P651/E/30
125V CLG TWR BATT LOW VOLT/ DC OFF/CHGR MALF	P651/E/32	P651/E/32
VOLTAGE REGULATOR TRIPPED	P651/E/35	P651/E/35
4160V BUS 2A UNDERVOLTAGE	P651/E/36	P651/E/36
4160V BUS 2B UNDERVOLTAGE	P651/E/37	P651/E/37

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
4160V BUS 2C UNDERVOLTAGE	P651/E/38	P651/E/38
4160V BUS 2D UNDERVOLTAGE	P651/E/39	P651/E/39
600V BUS 2A UNDERVOLTAGE	P651/E/40	P651/E/40
600V BUS 2AA UNDERVOLTAGE	P651/E/41	P651/E/41
600V BUS 2B UNDERVOLTAGE	P651/E/42	P651/E/42
STA SVC SWGR DC OFF	P651/E/43	P651/E/43
208V BUS ON ALT SUPPLY	P651/E/45	P651/E/45
208V BUS UNOV/ SUPPLY BRKR TRIPPED	P651/E/46	P651/E/46
600V BUS 2BE UNDERVOLTAGE	P651/E/47	P651/E/47
INVERTER 2R44-S003 TROUBLE	P651/E/48	P651/E/48
MCC 2E-A NORMAL FDR BRKR TRIPPED	P651/E/49	P651/E/49
VITAL AC SYS ON ALT SUPPLY	P651/E/50	P651/E/50
120/208V FEEDER TRIPPED	P651/E/51	P651/E/51
CLG TOWER 120/208V SUPPLY LOSS	P651/E/53	P651/E/53

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
600V STA SVC TRANSFORMERS ALARM	P651/E/55	P651/E/55
STARTUP XFMR 2C FAULT PRESSURE ALARM	P651/E/56	P651/E/56
STARTUP XFMR 2D FAULT PRESSURE ALARM	P651/E/57	P651/E/57
MAIN XFMR FAULT PRESSURE ALARM	P651/E/58	P651/E/58
480/277V SWGR ON ALT SOURCE	P651/E/59	P651/E/59
MAIN GEN/ALINIR TEMPERATURE TROUBLE	P651/E/61	P651/E/61
TURB TRIP UNIT TIED TO LINE 60 SEC ELAPSED	P651/E/63	P651/E/63
GENERATOR INLET FLOW LOW	P651/H/01	P651/H/01
GENERATOR INLET PRESS LOW	P651/H/02	P651/H/02
GENERATOR INLET TEMP HIGH	P651/H/03	P651/H/03
GENERATOR OUTLET TEMP HIGH	P651/H/04	P651/H/04
STATOR CLG TANK WATER LEVEL HIGH/LOW	P651/H/05	P651/H/05

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
RECTIFIER TEMP HIGH	P651/H/11	P651/H/11
MACH GAS PRESS HIGH/LOW	P651/H/13	P651/H/13
MACH GAS PURITY LOW	P651/H/14	P651/H/14
MACH GAS TEMP HIGH	P651/H/15	P651/H/15
EMERG SEAL OIL PUMP RUNNING	P651/H/16	P651/H/16
EMERG SEAL OIL PUMP OVERLOAD	P651/H/17	P651/H/17
DIFF SEAL OIL PRESS LOW	P651/H/18	P651/H/18
VAC TANK OIL LEVEL HIGH/LOW	P651/H/19	P651/H/19
GENERATOR CASING LIQ DET FULL	P651/H/21	P651/H/21
SEAL DRAIN ENLARGE LIQUID DETECTOR FULL	P651/H/22	P651/H/22
ALTERNATOR CASE LIQUID DET FULL	P651/H/23	P651/H/23
GENERATOR CORE MONITOR	P651/H/26	P651/H/26

ANNUNCIATOR WINDOWS
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	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
RB INSIDE TO OUTSIDE AIR DIFF PRESS LOW	P654/V/01	P654/V/01
LIQ NITROGEN STORAGE TANK LEVEL LOW	P654/V/03	P654/V/03
FPC SYS GATE SEALS LEAKING	P654/V/06	P654/V/06
SPENT FUEL STORAGE POOL LEVEL HIGH	P654/V/07	P654/V/07
DRYER SEPARATOR POOL LEVEL HIGH	P654/V/08	P654/V/08
TURB BLDG VENT EXH FILTER A DIFF PRESS HIGH	P654/V/12	P654/V/12
TURB BLDG VENT EXH FILTER B DIFF PRESS HIGH	P654/V/13	P654/V/13
SGT STANDBY SYSTEM RUNNING	P654/V/16	P654/V/16
N2 INERT SYS INLET FLOW HIGH	P654/V/19	P654/V/19
REFUELING BELLOWS ASSY RUPTURE	P654/V/21	P654/V/21
SPENT FUEL STORAGE POOL LEVEL LOW	P654/V/22	P654/V/22
DRWL-DRYER/SEP BELLOWS ASSEM LEAKING	P654/V/23	P654/V/23

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
2B SBT FAN FLOW LOW	P654/V/31	P654/V/31
N2 INERT SYS INLET PRESS HIGH	P654/V/34	P654/V/34
DRWL/TOFUS N2 M/U 2 INCH ISOL VALVES OPEN	P654/V/35	P654/V/35
BATTERY ROOM EXH FAN C015 FLOW LOW	P654/V/40	P654/V/40
DRYWELL COOLING UNIT B007A/7B FLOW LOW	P654/V/41	P654/V/41
DRYWELL COOLING UNIT B008A/8B FLOW LOW	P654/V/42	P654/V/42
DRYWELL COOLING UNIT B009A/9B FLOW LOW	P654/V/43	P654/V/43
2B SBT FLTR DIFF PRESS HIGH	P654/V/46	P654/V/46
N2 INERT SYS INLET TEMP LOW	P654/V/49	P654/V/49
FPC SYS SKIMMER SURGE TANK 2A LEVEL HIGH	P654/V/52	P654/V/32
FPC SYS SKIMMER SURGE TANK 2B LEVEL HIGH	P654/V/53	P654/V/53
CONTROL BLDG EXH FAN FLOW LOW	P654/V/55	P654/V/55

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
2B SBT FLTR MOISTURE HIGH	P654/V/61	P654/V/61
N2 INERT SYS MAKEUP PRESS LOW	P654/V/64	P654/V/64
FPC SYS SKIMMER SURGE TANK 2A LEVEL LOW	P654/V/67	P654/V/67
FPC SYS SKIMMER SURGE TANK 2B LEVEL LOW	P654/V/68	P654/V/68
DRYWELL COOLING UNIT B007A AIR DISCH TEMP HIGH	P654/V/71	P654/V/71
DRYWELL COOLING UNIT B008A AIR DISCH TEMP HIGH	P654/V/72	P654/V/72
DRYWELL COOLING UNIT B009A AIR DISCH TEMP HIGH	P654/V/73	P654/V/73
2B SBT SWITCH NOT IN AUTO	P654/V/76	P654/V/76
N2 INERT SYS MAKEUP TEMP LOW	P654/V/79	P654/V/79
TORUS WATER LEVEL HIGH/LOW	P654/V/80	P654/V/80
FPC SYS SKIMMER SURGE TANK 2A LEVEL LOW LOW	P654/V/82	P654/V/82
FPC SYS SKIMMER SURGE TANK 2B LEVEL LOW LOW	P654/V/83	P654/V/83

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
DRYWELL COOLING UNIT B007B AIR DISCH TEMP HIGH	P654/V/86	P654/V/86
DRYWELL COOLING UNIT B008B AIR DISCH TEMP HIGH	P654/V/87	P654/V/87
DRYWELL COOLING UNIT B009B AIR DISCH TEMP HIGH	P654/V/88	P654/V/88

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
** 2 Same Panel/Box PRETREATMENT OFF GAS RADIATION HI-HI	P601/1/21	P601/1/22
RX BLDG POT CONTAM AREA RADIATION HIGH	P601/1/26	P601/1/20
CORE SPRAY B JOCKEY PUMP SYS WATER LEVEL LOW	P601/2/14	P601/2/36
HPCI VAC BRKR VALVE NOT FULLY OPEN	P601/2/36	P601/2/14
WGT BLDG RADIATION HIGH	P601/4/17	P601/4/29
PUMP MOTOR A OIL LEVEL HIGH	P602/1/06	P602/1/10
RWCU SYS CONDUCTIVITY HIGH	P602/2/03	P602/2/6
RWCU DISCH PRESS HIGH/LOW	P602/2/09	P602/2/12
RWCU PUMP HIGH TEMP TRIP	P602/2/15	P602/2/18
RWCU SYS LEAK	P602/2/21	P602/2/24
RWCU FILTER INLET TEMP HIGH	P602/2/27	P602/2/30
RWCU FILTER DEMIN FAILURE	P602/2/33	P602/2/36

ANNUNCIATOR WINDOWS
<1937>

	UNIT 2 LOCATION PANEL/BOX/WINDOW	UNIT 1 LOCATION PANEL/BOX/WINDOW
RWCU PUMP FLOW LOW	P602/2/34	P602/2/35
REACTOR VESSEL PRESSURE HIGH	P603/1/14	P603/1/50
PRIMARY CNMT PRESSURE HIGH	P603/1/15	P603/1/14
CRD PUMP A SUCTION FILTER DIFF PRESS HIGH	P603/1/20	P603/1/44
CRD PUMP B SUCTION FILTER DIFF PRESS HIGH	P603/1/21	P603/1/45
PRIMARY CNMT PRESSURE LOW	P603/1/24	P603/1/15
RPT SYSTEM A TRIP	P603/1/34	P603/1/23
RPT SYS A OUT OF SCV OR LOSS OF CNIL PWR	P603/1/35	P603/1/22
RPT SYSTEM B TRIP	P603/1/43	P603/1/25
RPT SYS B OUT OF SVC OR LOSS OF CNIL POWER	P603/1/44	P603/1/24
REACTOR VESSEL LEVEL 1 DIV I TRIP	P603/2/18	P603/2/27
REACTOR VESSEL LEVEL 1 DIV II TRIP	P603/2/27	P603/2/44

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
MAIN CONDENSER HOTWELL LEVEL LOW	P650/P/12	P650/P/18
PANEL 2H11-P654 SYSTEM TROUBLE	P650/P/14	P650/P/52
PANEL 2H11-P657 SYSTEM TROUBLE	P650/P/24	P650/P/42
PANEL 2H11-P700 SYSTEM TROUBLE	P650/P/25	P650/P/23
HX PSW/RBCCW DIFF PRESS LOW	P650/P/38	P650/P/50
SPO3 INVERTER 2R44-S005 TROUBLE	P650/P/57	P650/P/08
MR HOTWELL TK A004A LEVEL HIGH	P650/T/17	P650/T/34
MR HOTWELL TK A004B LEVEL HIGH	P650/T/18	P650/T/34
MAX COMBINED FLOW LIMIT LIMITING	P650/T/24	P650/T/01
TURB BRG OIL PRESS LOW	P650/T/32	P650/T/09
CTRC WTR FLUME VLVS POSITION INCORRECT	P650/T/57	P650/T/44
TURB GEN/CWPS BRG TEMP HIGH	P650/T/65	P650/T/12

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
INVERTER 2B44-SOC2 TROUBLE	P651/E/31	P651/E/02
VITAL AC SYS TROUBLE	P651/E/34	P651/E/52
COOLING TOWER TRANSFORMERS ALARM	P651/E/54	P651/E/44
MCC 2E-B ALT FDR BFR TRIPPED	P651/E/66	P651/E/04
GENERATOR PROTECTIVE CRT DC FAILURE	P651/H/07	P651/H/06
CONDUCTIVITY ABOVE 0.5 MICROMHOS	P651/H/08	P651/H/07
CONDUCTIVITY ABOVE 9.9 MICROMHOS	P651/H/09	P651/H/08
STANDBY STATOR CLG PUMP RUNNING	P651/H/10	P651/H/09
ALTERNATOR AIR TEMP HIGH	P651/H/24	P651/H/23
DRYWELL VENT EXHAUST BYPASS VALVES OPEN	P654/V/02	P654/V/14
MULTIPOINT TEMP RCDR 2T41-R620 TEMP HIGH	P654/V/04	P654/V/09
FUEL POOL XFER CANAL BLADDER AIR PRESS LOW	P654/V/14	P654/V/26

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
FUEL POOL XFER CANAL SUPPLY AIR PRESS LOW	P654/V/15	P654/V/27
TOXUS MENT EXHAUST BYPASS VALVES OPEN	P654/V/17	P654/V/29
PCIS HIGH DRWL PRESS SIGNAL IN OVRD	P654/V/32	P654/V/44
PCIS RPV LEVEL LOW SIGNAL IN OVRD	P654/V/47	P654/V/59
DRWL CLG INLET 2P64-F045 OVERLOAD	P654/V/56	P654/V/28
DRWL CLG OUTLET 2P64-F047 OVERLOAD	P654/V/57	P654/V/28
PCIS RX BLDG HI RALN SIGNAL IN OVRD	P654/V/62	P654/V/74
DRYWELL PRESS HIGH	P654/V/65	P654/V/30
MULTIPOINT TEMP RCOR 2T47-R612 TEMP HIGH	P654/V/74	P654/V/09
PCIS RF HIGH RADN SIGNAL IN OVRD	P654/V/77	P654/V/89

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
** 3 Same Panel HPCI ISOLATION VLV F002/F003 NOT FULLY OPEN	P601/3/17	P603/2/07
RHR LOOP B JOCKEY PUMP SYS WATER LEVEL LOW	P601/3/19	P601/4/26
RHR LOOP A JOCKEY PUMP SYS WATER LEVEL LOW	P601/4/26	P601/3/19
RX BLDG VENT EXHAUST RADIATION HIGH	P601/4/34	P601/1/14
RX KIDG FLOOR DRAINS SUMP A LEAK HIGH	P602/2/01	P602/1/17
DRYWELL FLOOR DRAINS SUMP LEVEL HIGH-HIGH	P602/2/02	P602/1/06
RX BLDG FLOOR DRAINS SUMP B LEAK HIGH	P602/2/07	P602/1/23
DRYWELL FLOOR DRAINS SUMP LEAK HIGH	P602/2/08	P602/1/12
RX BLDG EQUIP DRAINS SUMP LEAK HIGH	P602/2/13	P602/1/29
DRYWELL EQUIP DRAINS SUMP LEVEL HIGH-HIGH	P602/2/14	P602/1/18
RX BLDG EQUIP DRAINS SUMP TEMP HIGH	P602/2/19	P602/1/35
DRYWELL EQUIP DRAINS SUMP LEAK HIGH	P602/2/20	P602/1/24

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
DRYWELL EQUIP DRAINS SUMP TEMP HIGH	P602/2/26	P602/1/30
DRIVE MOTOR B TRIP	P602/3/01	P602/2/1
FLUID DRIVE B OIL TEMP HIGH	P602/3/02	P602/2/2
GENERATOR B LOCKOUT	P602/3/03	P602/2/3
PUMP MOTOR B VIBRATION HIGH	P602/3/04	P602/2/4
PUMP MOTOR B OIL LEVEL HIGH	P602/3/06	P602/2/10
DRIVE MOTOR B DIFF CURRENT	P602/3/07	P602/2/7
FLUID DRIVE B OIL TEMP LOW	P602/3/08	P602/2/8
GENERATOR B AUX LOCKOUT	P602/3/09	P602/2/9
PUMP MOTOR B OIL LEVEL LOW	P602/3/12	P602/2/10
DRIVE MOTOR B OVERLOAD	P602/3/13	P602/2/13
FLUID DRIVE B OIL PRESS LOW	P602/3/14	P602/2/14
GENERATOR B FIELD GROUND	P602/3/15	P602/2/15

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
OUTER SEAL B LEAK DETECTION FLOW HIGH	P602/3/16	P602/2/16
PUMP MOTOR A/B TEMP HIGH	P602/3/17	P602/2/17
DRIVE MOTOR B GROUND	P602/3/19	P602/2/19
GENERATOR B INTERNAL AIR TEMP HIGH	P602/3/21	P602/2/21
PUMP B SEAL STAGING FLOW HIGH/LOW	P602/3/22	P602/2/22
GEN & DRIVE MTR STATOR A/B TEMP HIGH	P602/3/23	P602/2/23
DRIVE MOTOR B INTERNAL AIR TEMP HIGH	P602/3/25	P602/2/25
FLUID DRIVE B SCOOP TUBE LOCK	P602/3/26	P602/2/26
RECIRC LOOP B OUT OF SERVICE	P602/3/27	P602/2/27
PUMP B SEAL CLOSED COOLING WATER FLOW LOW	P602/3/28	P602/2/28
MG SET A/B BRG & OIL TEMP HIGH	P602/3/29	P602/2/29
MG SET B DC CONTROL POWER TRANSFER	P602/3/31	P602/2/31

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
SPEED CONTROL B SIGNAL FAILURE	P602/3/32	P602/2/32
START-UP SEQUENCE B INCOMPLETE	P602/3/33	P602/2/33
RECIRC B FLOW LIMIT	P602/3/34	P602/2/34
RCIC TURBINE TRIP	P602/4/01	P602/3/01
RCIC STEAM LINE DIFF PRESS HIGH	P602/4/02	P602/3/02
RCIC TURBINE BRG OIL PRESS LOW	P602/4/04	P602/3/04
ADS LOW WATER LVL ACTU TIMERS INITIATED	P602/4/05	P602/3/30
AUTO BLOWDOWN TIMERS INITIATED	P602/4/06	P602/3/06
RCIC ISOLATION SIGNAL LOGIC A	P602/4/07	P602/3/07
RCIC TURBINE INLET DRAIN POT LEVEL HIGH	P602/4/08	P602/3/08
RCIC VALVES MOTOR OVERLOAD	P602/4/09	P602/3/09
RCIC TURBINE COUPLING END BRG TEMP HIGH	P602/4/10	P602/3/10
SAFETY BLOWDOWN PRESSURE HIGH	P602/4/11	P602/1/36

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
AUTO BLOWDOWN CS OR RHR PRESS PERMISSIVE	P602/4/12	P602/3/12
RCIC ISOLATION SIGNAL LOGIC B	P602/4/13	P602/3/13
RCIC TURBINE EXH DIAPHRAGM PRESS HIGH	P602/4/14	P602/3/14
RCIC PUMP SUCT PRESS LOW	P602/4/15	P602/3/15
RCIC TURBINE GOV END BRG TEMP HIGH	P602/4/16	P602/3/16
AUTO BLOWDOWN CONTROL POWER FAILURE	P602/4/17	P602/3/17
AUTO BLOWDOWN RELAYS ENERGIZED	P602/4/18	P602/3/18
RCIC INVERTER K603 POWER FAILURE	P602/4/19	P602/3/19
RCIC TURB EXH PRESS HIGH	P602/4/20	P602/3/20
RCIC PUMP SUCT PRESS HIGH	P602/4/21	P602/3/21
RCIC PUMP DISCHARGE FLOW LOW	P602/4/22	P602/3/22
AUTO BLOWDOWN TEST PROCEDURE FAULTY	P602/4/23	P602/3/23

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
AUTO BLOWDOWN HIGH DRWL PRESS SEAL-IN	P602/4/24	P602/3/24
RCIC LOGIC OR TORUS LVL LOGIC POWER FAILURE	P602/4/25	P602/3/25
RCIC VAC BRKR VALVES NOT FULLY OPEN	P602/4/26	P602/3/26
RCIC BAROM CNDGR LEVEL HIGH	P602/4/27	P602/3/27
RCIC BAROM CNDGR PRESS HIGH	P602/4/28	P602/3/28
AUTO BLOWDOWN IN TEST STATUS	P602/4/29	P602/3/29
RCIC SYSTEM HIGH VESSEL LEVEL TRIP	P602/4/30	P602/3/11
RCIC LEAK DET LOGIC POWER FAILURE	P602/4/31	P602/3/31
RCIC OIL FILTER DIFF PRESS HIGH	P602/4/32	P602/3/32
RCIC BAROM CNDGR LEVEL LOW	P602/4/33	P602/3/33
RCIC TURBINE IN TEST STATUS	P602/4/34	P602/3/34
ADS INHIBIT SWITCH(ES) IN INHIBIT POSITION	P602/4/35	P602/3/36

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
CIRC WTR FLUME LEVEL LOW	P650/P/50	P650/R/16
MAIN TRANSFORMER MISC ALARM	P651/E/12	P651/H/10
GENERATOR PROTECTION CKT ENERGIZED	P651/H/06	P651/E/12

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION PANEL/BOX/WINDOW	UNIT 1 LOCATION PANEL/BOX/WINDOW
** 4 Different Panel		
HPCI ISOL TIMER INITIATED	P601/2/05	P654/V/15
ECCS/RPS DIVISION I TROUBLE	P602/1/10	P603/2/40
LOW LOW SET LOGIC A/C LOSS OF POWER	P602/1/17	P657/ /
LOW LOW SET LOGIC A/C ARMED	P602/1/23	P657/ /
LOW LOW SET LOGIC B/D LOSS OF POWER	P602/1/29	P657/ /
ECCS/RPS DIVISION II TROUBLE	P602/1/30	P603/2/49
LOW LOW SET LOGIC B/L ARMED	P602/1/35	P657/ /
FISSION PRODUCT PARTIC RADN HIGH/INOP	P602/2/06	P601/3/17
FISSION PRODUCT IOD: 1 RADN HIGH, NOP	P602/2/12	P601/3/24
FISSION PRODUCT GAS HIGH/INOP	P602/2/18	P601/3/29
FISSION PRODUCT DOWNSCALE	P602/2/24	P601/3/35
FISSION PRODUCT FLOW HIGH/LOW	P602/2/30	P650/P/13

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
DRYWELL PRESS HIGH	P602/3/10	P654/V/30
TORUS LEVEL (RCIC) HIGH	P603/3/30	P603/1/20
TORUS WATER LEVEL HIGH/LOW	P602/3/35	P654/V/65
CST LEVEL (RCIC) LOW	P302/3/36	P603/1/21
RCIC ISOL TIMER INITIATED	P602/4/03	P654/V/32
RCIC ISOLATION VLV F007/F008 NOT FULLY OPEN	P602/4/36	P603/2/18
SAFETY/BLOWDOWN VALVE LEAKING	P603/1/22	P602/3/05
OIL IN TURBINE BUILDING FLOOR DRAIN SUMP	P650/P/28	P650/T/48
DRYWELL/TORUS PRESS HIGH	P650/P/33	P654/V/50
MSR HOTWELL TK A004C LEVEL HIGH	P650/T/19	P651/E/67
MSR HOTWELL TK A004D LEVEL HIGH	P650/T/20	P651/E/67
MAIN SEAL OIL PUMP OVERLOAD	P651/H/28	P650/T/16

ANNUNCIATOR WINDOWS
<1287>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
TORUS WATER TEMP HIGH	P654/V/20	P650/P/14
DRYWELL COOLING UNIT B010A AIR DISCH TEMP HIGH	P654/V/70	P650/ /
DRYWELL COOLING UNIT B010B AIR DISCH TEMP HIGH	P654/V/85	P650/ /

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
** 5 No Match found on these Panels		
RADWASTE BLDG VENT FLTR INTK RADIATION HIGH	P601/1/12	/ /
RADWASTE BLDG VENT FLTR INTK RADIATION DNSC	P601/1/18	/ /
RX BLDG FOT CONTAM AREA RADIATION HI-HI	P601/1/20	/ /
RADWASTE BLDG VENT FLTR DISCH RADIATION HIGH	P601/1/24	/ /
RADWASTE BLDG VENT FLTR DISCH RADIATION DNSC	P601/1/30	/ /
RX BLDG VENT EXHAUST RADIATION HI-HI	P601/3/29	/ /
2B21-R623 A/B IN HIGH STEED MODE	P601/3/35	/ /
TIP MACHINE AREA RADIATION HIGH	P601/4/23	/ /
MACHINE SHOP RADIATION HIGH	P601/4/29	/ /
JOCKEY PUMP SYS B DISCH PRESS LOW	P601/4/32	/ /
JOCKEY PUMP SYS A DISCH PRESS LOW	P601/4/33	/ /
MAIN STACK GAMMA RADIATION HIGH	P601/4/35	/ /

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL./BOX/WINDOW	PANEL./BOX/WINDOW
ATWS RPT CHANNEL 1 IN TEST STATUS	P602/1/05	/ /
PUMP MOTOR A OIL LEVEL LOW	P602/1/12	P602/1/10
PUMP MOTOR A WINDING COOLING WATER FLOW LOW	P602/1/18	/ /
OIL MIST ELIMINATOR A DIFF PRESS HIGH	P602/1/20	/ /
RECIRC PUMP A COOLER LEAK OR COND BUILDUP	P602/1/24	/ /
DRYWELL FLOOR DRAIN SUMP FLOW HIGH	P602/1/36	/ /
MSIV LEAKAGE FLOW HIGH	P602/2/04	/ /
MAIN STEAM LINE OUTBOARD PRESS HIGH	P602/2/05	/ /
MSIV SEAL SYS DIL AIR INBD FLOW LOW	P602/2/10	/ /
MSIV SEAL SYS DIL AIR OUTBD FLOW LOW	P602/2/11	/ /
MSIV SEAL SYS INBOARD LOGIC PWR FAILURE	P602/2/16	/ /
MSIV SEAL SYS OUTBOARD LOGIC PWR FAILURE	P602/2/17	/ /

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
MSIV SEAL SYS INBOARD BLOWER OVERLOAD	P602/2/22	/ /
MSIV SEAL SYS OUTBOARD BLOWER OVERLOAD	P602/2/23	/ /
RADWASTE CONTROLLER 1 TROUBLE	P602/2/25	/ /
MSIV SEAL SYS INBOARD VALVE OVERLOAD	P602/2/28	/ /
MSIV SEAL SYS OUTBOARD VALVE OVERLOAD	P602/2/29	/ /
RADWASTE CONTROLLER 2 TROUBLE	P602/2/31	/ /
RADWASTE CONTROLLER 3 TROUBLE	P602/2/32	/ /
MSIV SEAL SYS INBOARD HEATER OVERLOAD	P602/2/35	/ /
CONTAINMENT RADIATION HIGH/INOP	P602/2/36	/ /
ATWS RPT CHANNEL 2 IN TEST STATUS	P602/3/11	/ /
PUMP MOTOR B WINDING COOLING WATER FLOW LOW	P602/3/18	/ /
OL MIST ELIMINATOR B DIFF PRESS HIGH	P602/3/20	/ /

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
RECIRC PUMP B COOLER LEAK OR COND BUILDUP	P602/3/24	/ /
REACTOR LEVEL CONTROL VALVE LOCKED	P603/1/23	/ /
DRWL FLOOR DRAIN PUMPS C001A-B HI RADN PMP TRIP	P603/1/45	/ /
REMOTE SHUTDOWN TRANSFER SWITCH IN EMERG POS	P603/1/49	/ /
DRWL EQUIP DRAIN PUMPS C006A-B HI RADN PMP TRIP	P603/1/54	/ /
TURB BLDG MSL CHANNEL A1/A2 LEAK	P603/2/25	/ /
TURB BLDG MSL CHANNEL B1/B2 LEAK	P603/2/26	/ /
ROD DISPLAY TEMP HIGH	P603/2/49	/ /
CST LEVEL HIGH	P650/P/01	/ /
MAIN TURB OIL CONDITIONER TROUBLE	P650/P/02	/ /
LOOSE PARTS MONITORING SYS TROUBLE	P650/P/03	/ /
DRYWELL/TORUS RCDR R627 TEMP HIGH	P650/P/04	/ /

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
OIL IN CONTROL BUILDING SUMP C001	P650/P/08	/ /
OIL IN CONTROL BUILDING SUMP C003	P650/F/09	/ /
COND XFER PMP C001A PRESS LOW	P650/P/11	/ /
CONDENSATE PUMP LOW LEVEL TRIP	P650/P/13	/ /
COND BSTR PMPS SUCTION PRESS LOW	P650/P/16	/ /
HYDROGEN RECOMB FDR BRKR TRIP	P650/P/18	/ /
HYDROGEN RECOMB SYSTEM TROUBLE	P650/P/19	/ /
COND XFER PMP C001B PRESS LOW	P650/P/21	/ /
MAIN CONDENSER HOTWELL LEVEL HIGH	P650/P/22	/ /
2T48-R601A/B IN HIGH SPEED MODE	P650/P/23	/ /
PSW INTK STRUCT WATER LEVEL LOW	P650/P/29	/ /
3RD STG SJAE A STEAM FLOW HIGH	P650/P/31	/ /

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
3RD STG SJAE A STEAM FLOW LOW	P650/P/32	/ /
SEC SYSTEM AUTO INITIATION SIGNAL PRESENT	P650/P/34	/ /
SEC SYSTEM CLR 5A OR 5B FLOW LOW	P650/P/35	/ /
RFCOW PUMPS DISCH PRESS LOW	P650/P/39	/ /
3RD STG SJAE B STEAM FLOW HIGH	P650/P/41	/ /
SJAE AUX DRN TK A007A LEVEL HIGH	P650/P/42	/ /
SEC SYSTEM CLR 1A OR 1B FLOW LOW	P650/P/44	/ /
SEC SYSTEM CLR 2A OR 2B FLOW LOW	P650/P/45	/ /
RB VENT EFFL ANY COLLECTOR RADN LEVEL MAX	P650/P/46	/ /
3RD STGH SJAE B STEAM FLOW LOW	P650/P/51	/ /
SJAE AUX DRN TK A007B LEVEL HIGH	P650/P/52	/ /
SEC SYSTEM CLR 3A OR 3B FLOW LOW	P650/P/54	/ /

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
SEC SYSTEM CLR 4A OR 4B FLOW LOW	P650/P/55	/ /
RB VENT EFFL ALL COLLECTORS RADN LEVEL MAX	P650/P/56	/ /
CIRC WTR FLUME LEVEL HIGH	P650/P/60	/ /
RFPT 2A OIL PUMPS C007A/B OVERLOAD	P650/R/01	/ /
RFPT 2B OIL PUMPS C008A/B OVERLOAD	P650/R/02	/ /
RFPT OIL CONDITIONER TROUBLE	P650/R/16	/ /
RFPT LOOP SEAL LOST	P650/R/19	/ /
RFPT 2A SUCTION PRESS. LOW	P650/R/21	/ /
RFPT 2A HYD OIL PRESS LOW	P650/R/27	/ /
RFPT 2B HYD OIL PRESS LOW	P650/R/28	/ /
RFPT 2B SUCTION PRESS. LOW	P650/R/34	/ /
TURBINE LOW VACUUM TRIP	P650/T/01	/ /

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
T-BRG WEAR DET & LOW BRG OIL PRESS TRIP	P650/T/09	/ /
RFP/COND BRG METAL TEMP HIGH	P650/T/12	/ /
STEAM SEAL PRESS HIGH	P650/T/16	/ /
NSR HOTWELL AND DRAIN TANK TROUBLE	P650/T/34	/ /
HEATER TROUBLE ALARM	P650/T/35	/ /
TGOP RUNNING	P650/T/40	/ /
CAS BLDG FEEDER TRIPPED	P650/T/43	/ /
CONDENSER ROOM FLOODING TEST STATUS	P650/T/63	/ /
CNDSR CIRC W/R DIFF PRESS HIGH	P650/T/66	/ /
MAIN BATTERY 2A FUSE TROUBLE	P651/E/02	/ /
MAIN BATTERY 2B FUSE TROUBLE	P651/E/04	/ /
240V VITAL AC BATT VOLTS LOW	P651/E/33	/ /

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
COOLING TOWER BRKR TRIPPED	P651/E/44	/ /
RB & RW BLDG CHILLER A/B BRKR TRIPPED	P651/E/62	/ /
UNIT AUX XFMR 2A FAULT PRESSURE	P651/E/64	/ /
UNIT AUX XFMR 2B FAULT PRESSURE	P651/E/65	/ /
RECTIFIER COOLANT FLOW LOW	P651/H/25	/ /
PSW HIGH DIFF PRESS TEST STATUS	P651/H/27	/ /
FUEL POOL PUMP DISCH PRESS HIGH	P654/V/05	/ /
TURB BLDG VENT SPLY FLTR D001 DIFF PRESS HIGH	P654/V/26	/ /
TURB BLDG VENT FLTRS D004/D005 TEMP HIGH	P654/V/27	/ /
DRWL PNEU AREA OXYGEN LEVEL LOW	P654/V/36	/ /
FUEL POOL PUMP DISCH PRESS LOW	P654/V/37	/ /
TRANSFER CANAL SEAL ASSEMBLY LEVEL HIGH	P654/V/38	/ /

ANNUNCIATOR WINDOWS
<1987>

	UNIT 2 LOCATION	UNIT 1 LOCATION
	PANEL/BOX/WINDOW	PANEL/BOX/WINDOW
TURB BLDG VENT SUPPLY FAN FLOW LOW	P654/V/44	/ /
TURB BLDG VENT EXHAUST FAN FLOW LOW	P654/V/59	/ /
DRYWELL TEMP HIGH	P654/V/66	/ /
SBGT FLTR B HI-HI TEMP TRIP OR FAN/HIR S/D	P654/V/78	/ /

ATTACHMENT 2

PLANT HATCH - UNIT 2
NRC DOCKET 50-366
OPERATING LICENSE NPF-5
PRESENT ANNUNCIATOR LOCATIONS
FOR BOTH UNITS

SUMMARY OF ANNUNCIATOR EVALUATION
PRESENT CONFIGURATION
HATCH UNITS 1 AND 2

Category	Description
1	Window located in the same location on the same panel and box
2	Window located in the same box on the same panel
3	Window located in a different box on the same panel
4	Window located on a different panel
5	No matching window on the panels evaluated

PANEL	TOTAL WINDOWS	1	2	CATEGORY		5	BLANK
				3	4		
P601	144	36	42	47	0	15	4
P602	144	25	4	86	5	23	1
P603	108	84	0	0	5	7	12
P650	162	19	75	6	3	45	14
P651	96	28	40	0	1	21	6
P654	90	41	9	0	1	14	25
TOTAL	744	233	170	139	15	125	62

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
**		
2/P601-1/14 [BLANK]	1/P601-4/02 [BLANK]	
2/P601-3/22 [BLANK]	1/P602-2/11 [BLANK]	
2/P601-3/23 [BLANK]	1/P601-4/02 [BLANK]	
2/P601-4/18 [BLANK]	1/P601-4/02 [BLANK]	
2/P602-3/05 [BLANK]	1/P602-2/11 [BLANK]	
2/P603-1/11 [BLANK]	1/P601-4/02 [BLANK]	
2/P603-1/16 [BLANK]	1/P601-4/02 [BLANK]	
2/P603-1/25 [BLANK]	1/P601-4/02 [BLANK]	
2/P603-1/50 [BLANK]	1/P601-4/02 [BLANK]	
2/P603-2/07 [BLANK]	1/P601-4/02 [BLANK]	
2/P603-2/16 [BLANK]	1/P601-4/02 [BLANK]	
2/P603-2/17 [BLANK]	1/P601-4/02 [BLANK]	
2/P603-2/29 [BLANK]	1/P601-4/02 [BLANK]	
2/P603-2/34 [BLANK]	1/P601-4/02 [BLANK]	
2/P603-2/35 [BLANK]	1/P601-4/02 [BLANK]	
2/P603-2/40 [BLANK]	1/P601-4/02 [BLANK]	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P603-2/44 [BLANK]	1/P601-4/02 [BLANK]	
2/P650-P/15 [BLANK]	1/P601-4/02 [BLANK]	
2/P650-P/26 [BLANK]	1/P601-4/02 [BLANK]	
2/P650-P/27 [BLANK]	1/P601-4/02 [BLANK]	
2/P650-P/36 [BLANK]	1/P601-4/02 [BLANK]	
2/P650-P/37 [BLANK]	1/P601-4/02 [BLANK]	
2/P650-P/47 [BLANK]	1/P601-4/02 [BLANK]	
2/P650-R/17 [BLANK]	1/P601-4/02 [BLANK]	
2/P650-R/30 [BLANK]	1/P602-2/11 [BLANK]	
2/P650-T/41 [BLANK]	1/P602-2/11 [BLANK]	
2/P650-T/44 [BLANK]	1/P601-4/02 [BLANK]	
2/P650-T/46 [BLANK]	1/P601-4/02 [BLANK]	
2/P650-T/48 [BLANK]	1/P601-4/02 [BLANK]	
2/P650-T/49 [BLANK]	1/P602-2/11 [BLANK]	
2/P650-T/59 [BLANK]	1/P601-4/02 [BLANK]	
2/P651-E/52 BLANK	1/P651-E/46 BLANK	
2/P651-E/60 BLANK	1/P651-E/46 BLANK	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P651-H/12 BLANK	1/P651-E/46 BLANK	
2/P651-H/20 BLANK	1/P651-E/46 BLANK	
2/P651-H/29 BLANK	1/P651-E/46 BLANK	
2/P651-H/30 BLANK	1/P651-E/46 BLANK	
2/P654-V/09 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/10 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/11 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/18 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/24 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/25 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/28 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/29 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/30 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/33 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/39 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/45 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/48 [BLANK]	1/P601-4/02 [BLANK]	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P654-V/50 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/51 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/54 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/58 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/60 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/63 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/69 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/75 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/81 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/84 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/89 [BLANK]	1/P601-4/02 [BLANK]	
2/P654-V/90 [BLANK]	1/P601-4/02 [BLANK]	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
** 1		
1 2/P601-1/01 RADWASTE EFFL RADIATION HIGH	1/P601-1/01 RADWASTE EFFL RADIATION HIGH	
1 2/P601-1/02 SBGT/DRYWELL AND TORUS RADIATION HIGH	1/P601-1/02 SBGT/DRYWELL AND TORUS RADIATION HIGH	
1 2/P601-1/03 REFUELING FLOOR VENT EXHAUST RADIATION HI-HI	1/P601-1/03 REFUELING FLOOR VENT EXHAUST RADIATION HI-HI	
1 2/P601-1/04 TURBINE BLDG VENT FLTR INTK RADIATION HIGH	1/P601-1/04 TURBINE BLDG VENT FLTR INTK RADIATION HIGH	
1 2/P601-1/05 POSTTREATMENT O/G RADIATION HI-HI-HI/INOP	1/P601-1/05 POSTTREATMENT O/G RADIATION HI-HI-HI/INOP	
1 2/P601-1/06 O/G AVG ANNUAL REL LIMIT WILL BE EXCEEDED	1/P601-1/06 O/G AVG ANNUAL REL LIMIT WILL BE EXCEEDED	
1 2/P601-1/07 SERVICE WATER EFFLUENT RADIATION HIGH	1/P601-1/07 SERVICE WATER EFFLUENT RADIATION HIGH	
1 2/P601-1/08 RX BLDG VENT / SBGT RADIATION DNSC	1/P601-1/08 RX BLDG VENT / SBGT RADIATION DNSC	
1 2/P601-1/09 REFUELING FLOOR VENT EXHAUST RADIATION HIGH	1/P601-1/09 REFUELING FLOOR VENT EXHAUST RADIATION HIGH	
1 2/P601-1/10 TURBINE BLDG VENT FLTR DISCH RADIATION HIGH	1/P601-1/10 TURBINE BLDG VENT FLTR DISCH RADIATION HIGH	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P601-1/11 POSTTREATMENT OFF GAS RADIATION HI-HI	1/P601-1/11 POSTTREATMENT OFF GAS RADIATION HI-HI	
1 2/P601-1/13 RBCCW RADIATION HIGH	1/P601-1/13 RBCCW RADIATION HIGH	
1 2/P601-1/15 REFUELING FLOOR VENT EXHAUST RADIATION DNSC	1/P601-1/15 REFUELING FLOOR VENT EXHAUST RADIATION DNSC	
1 2/P601-1/16 TURBINE BLDG VENT FLTR DISCH RADIATION DNSC	1/P601-1/16 TURBINE BLDG VENT FLTR DISCH RADIATION DNSC	
1 2/P601-1/17 POSTTREATMENT OFF GAS RADIATION HIGH	1/P601-1/17 POSTTREATMENT OFF GAS RADIATION HIGH	
1 2/P601-1/19 LIQUID PROCESS RADIATION DNSC/INOP	1/P601-1/19 LIQUID PROCESS RADIATION DNSC/INOP	
1 2/P601-1/21 REFUELING FLOOR VENT FLTR DISCH RADIATION HIGH	1/P601-1/21 REFUELING FLOOR VENT FLTR DISCH RADIATION HIGH	
1 2/P601-1/23 POSTTREATMENT OFF GAS RADIATION DNSC	1/P601-1/23 POSTTREATMENT OFF GAS RADIATION DNSC	
1 2/P601-1/25 MAIN STEAM LINE RADIATION HIGH	1/P601-1/25 MAIN STEAM LINE RADIATION HIGH	
1 2/P601-1/27 REFUELING FLOOR VENT FLTR DISCH RADIATION DNSC	1/P601-1/27 REFUELING FLOOR VENT FLTR DISCH RADIATION DNSC	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P601-1/28 PRETREATMENT O/G RADIATION DOWNSCALE/INOP	1/P601-1/28 PRETREATMENT O/G RADIATION DOWNSCALE/INOP	
1 2/P601-1/29 POSTTREATMENT O/G SAMPLE FLOW HIGH/LOW	1/P601-1/29 POSTTREATMENT O/G SAMPLE FLOW HIGH/LOW	
1 2/P601-1/31 MAIN STEAM LINE RADIATION DOWNSCALE	1/P601-1/31 MAIN STEAM LINE RADIATION DOWNSCALE	
1 2/P601-1/32 RX BLDG VENT FLTR DISCH RADIATION HIGH	1/P601-1/32 RX BLDG VENT FLTR DISCH RADIATION HIGH	
1 2/P601-1/34 PRETREATMENT O/G SAMPLE FLOW HIGH/LOW	1/P601-1/34 PRETREATMENT O/G SAMPLE FLOW HIGH/LOW	
1 2/P601-1/35 CARBON BED VAULT RADIATION HIGH	1/P601-1/35 CARBON BED VAULT RADIATION HIGH	
1 2/P601-1/36 CARBON BED VAULT RADIATION DNSC	1/P601-1/36 CARBON BED VAULT RADIATION DNSC	
1 2/P601-4/01 RHR PUMP D TRIP	1/P601-4/01 RHR PUMP D TRIP	
1 2/P601-4/07 RHR PUMP D OVL D / LOCKOUT RELAY TRIP	1/P601-4/07 RHR PUMP D OVL D / LOCKOUT RELAY TRIP	
1 2/P601-4/26 RHR LOOP A JOCKEY PUMP SYS WATER LEVEL LOW	1/P601-4/26 RHR LOOP A JOCKEY PUMP SYS WATER LEVEL LOW	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P602-1/01 DRIVE MOTOR A TRIP	1/P602-1/01 DRIVE MOTOR A TRIP	
1 2/P602-1/02 FLUID DRIVE A OIL TEMP LOW	1/P602-1/02 FLUID DRIVE A OIL TEMP LOW	
1 2/P602-1/03 GENERATOR A LOCKOUT	1/P602-1/03 GENERATOR A LOCKOUT	
1 2/P602-1/04 PUMP MOTOR A VIBRATION HIGH	1/P602-1/04 PUMP MOTOR A VIBRATION HIGH	
1 2/P602-1/05 ATWS RPT CHANNEL 1 IN TEST STATUS	1/P602-1/05 ATWS RPT CHANNEL 1 IN TEST STATUS	
1 2/P602-1/07 DRIVE MOTOR A DIFF CURRENT	1/P602-1/07 DRIVE MOTOR A DIFF CURRENT	
1 2/P602-1/08 FLUID DRIVE A OIL TEMP HIGH	1/P602-1/08 FLUID DRIVE A OIL TEMP HIGH	
1 2/P602-1/09 GENERATOR A AUX LOCKOUT	1/P602-1/09 GENERATOR A AUX LOCKOUT	
1 2/P602-1/11 RECIRC PUMPS A&B HIGH PRESS/LOW LEVEL TRIP	1/P602-1/11 RECIRC PUMPS A&B HIGH PRESS/LOW LEVEL TRIP	
1 2/P602-1/13 DRIVE MOTOR A OVERLOAD	1/P602-1/13 DRIVE MOTOR A OVERLOAD	
1 2/P602-1/14 FLUID DRIVE A OIL PRESS LOW	1/P602-1/14 FLUID DRIVE A OIL PRESS LOW	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P602-1/15 GENERATOR A FIELD GROUND	1/P602-1/15 GENERATOR A FIELD GROUND	
1 2/P602-1/16 OUTER SEAL A LEAK DETECTION FLOW HIGH	1/P602-1/16 OUTER SEAL A LEAK DETECTION FLOW HIGH	
1 2/P602-1/19 DRIVE MOTOR A GROUND	1/P602-1/19 DRIVE MOTOR A GROUND	
1 2/P602-1/21 GENERATOR A INTERNAL AIR TEMP HIGH	1/P602-1/21 GENERATOR A INTERNAL AIR TEMP HIGH	
1 2/P602-1/22 PUMP A SEAL STAGING FLOW HIGH/LOW	1/P602-1/22 PUMP A SEAL STAGING FLOW HIGH/LOW	
1 2/P602-1/25 DRIVE MOTOR A INTERNAL AIR TEMP HIGH	1/P602-1/25 DRIVE MOTOR A INTERNAL AIR TEMP HIGH	
1 2/P602-1/26 FLUID DRIVE A SCOOP TUBE LOCK	1/P602-1/26 FLUID DRIVE A SCOOP TUBE LOCK	
1 2/P602-1/27 RECIRC LOOP A OUT OF SERVICE	1/P602-1/27 RECIRC LOOP A OUT OF SERVICE	
1 2/P602-1/28 PUMP A SEAL CLOSED COOLING WATER FLOW LOW	1/P602-1/28 PUMP A SEAL CLOSED COOLING WATER FLOW LOW	
1 2/P602-1/30 ECCS/RPS DIVISION II TROUBLE	1/P602-1/30 ECCS/RPS DIVISION II TROUBLE	
1 2/P602-1/31 MG SET A DC CONTROL POWER TRANSFER	1/P602-1/31 MG SET A DC CONTROL POWER TRANSFER	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P602-1/32 SPEED CONTROL A SIGNAL FAILURE	1/P602-1/32 SPEED CONTROL A SIGNAL FAILURE	
1 2/P602-1/33 START-UP SEQUENCE A INCOMPLETE	1/P602-1/33 START-UP SEQUENCE A INCOMPLETE	
1 2/P602-1/34 RECIRC A FLOW LIMIT	1/P602-1/34 RECIRC A FLOW LIMIT	
1 2/P603-1/01 SCRAM DISCH VOL HIGH LEVEL TRIP	1/P603-1/01 SCRAM DISCH VOL HIGH LEVEL TRIP	
1 2/P603-1/02 TURB CNTL VLV FAST CLOSURE TRIP	1/P603-1/02 TURB CNTL VLV FAST CLOSURE TRIP	
1 2/P603-1/03 TURB STOP VLV CLOSURE TRIP	1/P603-1/03 TURB STOP VLV CLOSURE TRIP	
1 2/P603-1/04 MSIVS NOT FULLY OPEN TRIP	1/P603-1/04 MSIVS NOT FULLY OPEN TRIP	
1 2/P603-1/06 PRIMARY CNMT HIGH PRESSURE TRIP	1/P603-1/06 PRIMARY CNMT HIGH PRESSURE TRIP	
1 2/P603-1/07 MAIN STEAM LINE HIGH RADIATION TRIP	1/P603-1/07 MAIN STEAM LINE HIGH RADIATION TRIP	
1 2/P603-1/08 REACTOR VESSEL LOW LEVEL TRIP	1/P603-1/08 REACTOR VESSEL LOW LEVEL TRIP	
1 2/P603-1/09 REACTOR NEUTRON MONITORING SYS TRIP	1/P603-1/09 REACTOR NEUTRON MONITORING SYS TRIP	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P603-1/10 SCRAM DISCH VOL HIGH LEVEL TRIP BYPASS	1/P603-1/10 SCRAM DISCH VOL HIGH LEVEL TRIP BYPASS	
1 2/P603-1/12 TURB CNTL VLV FAST CL & STOP VLV SCRAM BYP	1/P603-1/12 TURB CNTL VLV FAST CL & STOP VLV SCRAM BYP	
1 2/P603-1/13 MSIV CLOSURE TRIP BYPASS	1/P603-1/13 MSIV CLOSURE TRIP BYPASS	
1 2/P603-1/15 PRIMARY CNMT PRESSURE HIGH	1/P603-1/15 PRIMARY CNMT PRESSURE HIGH	
1 2/P603-1/17 REACTOR AUTO SCRAM SYSTEM A TRIP	1/P603-1/17 REACTOR AUTO SCRAM SYSTEM A TRIP	
1 2/P603-1/18 REACTOR AUTO SCRAM SYSTEM B TRIP	1/P603-1/18 REACTOR AUTO SCRAM SYSTEM B TRIP	
1 2/P603-1/19 SCRAM DISCH VOL NOT DRAINED	1/P603-1/19 SCRAM DISCH VOL NOT DRAINED	
1 2/P603-1/24 PRIMARY CNMT PRESSURE LOW	1/P603-1/24 PRIMARY CNMT PRESSURE LOW	
1 2/P603-1/26 REACTOR MANUAL SCRAM SYSTEM A TRIP	1/P603-1/26 REACTOR MANUAL SCRAM SYSTEM A TRIP	
1 2/P603-1/27 REACTOR MANUAL SCRAM SYSTEM B TRIP	1/P603-1/27 REACTOR MANUAL SCRAM SYSTEM B TRIP	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P603-1/28 CRD PUMP A BREAKER TRIP	1/P603-1/29 CRD PUMP A BREAKER TRIP	
1 2/P603-1/29 CRD PUMP B BREAKER TRIP	1/P603-1/29 CRD PUMP B BREAKER TRIP	
1 2/P603-1/30 DRIVE WTR FLTR DIFF PRESS HIGH	1/P603-1/30 DRIVE WTR FLTR DIFF PRESS HIGH	
1 2/P603-1/31 SCRAM VLV PILOT AIR HDR PRESS HIGH/LOW	1/P603-1/31 SCRAM VLV PILOT AIR HDR PRESS HIGH/LOW	
1 2/P603-1/32 FEEDWATER CONTROL SYSTEM SIGNAL FAILURE	1/P603-1/32 FEEDWATER CONTROL SYSTEM SIGNAL FAILURE	
1 2/P603-1/33 SBLT TANK LEVEL HIGH/LOW	1/P603-1/33 SBLT TANK LEVEL HIGH/LOW	
1 2/P603-1/36 MODE SWITCH SHUTDOWN TRIP BYPASS	1/P603-1/36 MODE SWITCH SHUTDOWN TRIP BYPASS	
1 2/P603-1/37 CRD PUMP A OVERLOAD	1/P603-1/37 CRD PUMP A OVERLOAD	
1 2/P603-1/38 CRD PUMP B OVERLOAD	1/P603-1/38 CRD PUMP B OVERLOAD	
1 2/P603-1/39 CHARGING WATER PRESSURE HIGH	1/P603-1/39 CHARGING WATER PRESSURE HIGH	
1 2/P603-1/40 CRD HYD TEMP HIGH	1/P603-1/40 CRD HYD TEMP HIGH	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P603-1/41 REACTOR VESSEL WATER LEVEL HIGH/LOW	1/P603-1/41 REACTOR VESSEL WATER LEVEL HIGH/LOW	
1 2/P603-1/42 SBLC TANK TEMP HIGH/LOW	1/P603-1/42 SBLC TANK TEMP HIGH/LOW	
1 2/P603-1/43 CRD PUMP A SUCTION PRESS LOW	1/P603-1/46 CRD PUMP A SUCTION PRESS LOW	
1 2/P603-1/47 CRD PUMP B SUCTION PRESS LOW	1/P603-1/47 CRD PUMP B SUCTION PRESS LOW	
1 2/P603-1/48 CRD ACCUMULATOR PRESS LOW OR LEVEL HIGH	1/P603-1/48 CRD ACCUMULATOR PRESS LOW OR LEVEL HIGH	
1 2/P603-1/51 SBLC PUMP SUCTION TEMP LOW	1/P603-1/51 SBLC PUMP SUCTION TEMP LOW	
1 2/P603-1/52 SBLC LOSS OF CONTINUITY TO SQUIB VALVE	1/P603-1/52 SBLC LOSS OF CONTINUITY TO SQUIB VALVE	
1 2/P603-1/53 VESSEL FLANGE SEAL LEAK	1/P603-1/53 VESSEL FLANGE SEAL LEAK	
1 2/P503-2/01 APRM BUS A UPSCALE TRIP OR INOP	1/P603-2/01 APRM BUS A UPSCALE TRIP OR INOP	
1 2/P603-2/02 RBM UPSCALE OR INOPERATIVE	1/P603-2/02 RBM UPSCALE OR INOPERATIVE	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P603-2/03 IRM BUS A UPSCALE TRIP OR INOP	1/P603-2/03 IRM BUS A UPSCALE TRIP OR INOP	
1 2/P603-2/04 SRM UPSCALE OR INOPERATIVE	1/P603-2/04 SRM UPSCALE OR INOPERATIVE	
1 2/P603-2/05 REACTOR VESSEL LEVEL 2 DIV I TRIP	1/P603-2/05 REACTOR VESSEL LEVEL 2 DIV I TRIP	
1 2/P603-2/06 REACTOR VESSEL LEVEL 2 DIV II TRIP	1/P603-2/06 REACTOR VESSEL LEVEL 2 DIV II TRIP	
1 2/P603-2/08 GROUP I SYSTEM A TRIP	1/P603-2/08 GROUP I SYSTEM A TRIP	
1 2/P603-2/09 GROUP I SYSTEM B TRIP	1/P603-2/09 GROUP I SYSTEM B TRIP	
1 2/P603-2/10 APRM BUS B UPSCALE TRIP OR INOP	1/P603-2/10 APRM BUS B UPSCALE TRIP OR INOP	
1 2/P603-2/11 RBM DOWNSCALE	1/P603-2/11 RBM DOWNSCALE	
1 2/P603-2/12 IRM BUS B UPSCALE TRIP OR INOP	1/P603-2/12 IRM BUS B UPSCALE TRIP OR INOP	
1 2/P603-2/13 SRM DOWNSCALE	1/P503-2/13 SRM DOWNSCALE	
1 2/P603-2/14 MAIN STEAM LINE FLOW A HIGH	1/P603-2/14 MAIN STEPM LINE FLOW A HIGH	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P503-2/15 MAIN STEAM LINE FLOW B HIGH	1/P603-2/15 MAIN STEAM LINE FLOW B HIGH	
1 2/P603-2/18 REACTOR VESSEL LEVEL 1 DIV I TRIP	1/P603-2/18 REACTOR VESSEL LEVEL 1 DIV I TRIP	
1 2/P603-2/19 APRM UPSCALE	1/P603-2/19 APRM UPSCALE	
1 2/P603-2/20 APRM FLOW REF OFF NORMAL	1/P603-2/20 APRM FLOW REF OFF NORMAL	
1 2/P603-2/21 IRM UPSCALE	1/P603-2/21 IRM UPSCALE	
1 2/P603-2/22 SRM DETECTOR RETRACTED WHEN NOT PERMITTED	1/P603-2/22 SRM DETECTOR RETRACTED WHEN NOT PERMITTED	
1 2/P603-2/23 STEAM TUNNEL TEMPERATURE A HIGH	1/P603-2/23 STEAM TUNNEL TEMPERATURE A HIGH	
1 2/P603-2/24 STEAM TUNNEL TEMPERATURE B HIGH	1/P603-2/24 STEAM TUNNEL TEMPERATURE B HIGH	
1 2/P603-2/27 REACTOR VESSEL LEVEL 1 DIV II TRIP	1/P603-2/27 REACTOR VESSEL LEVEL 1 DIV II TRIP	
1 2/P603-2/28 APRM DOWNSCALE	1/P603-2/28 APRM DOWNSCALE	
1 2/P603-2/30 IRM DOWNSCALE	1/P603-2/30 IRM DOWNSCALE	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P603-2/31 SRM PERIOD	1/P603-2/31 SRM PERIOD	
1 2/P603-2/32 MAIN STEAM LINE PRESS A LOW	1/P603-2/32 MAIN STEAM LINE PRESS A LOW	
1 2/P603-2/33 MAIN STEAM LINE PRESS B LOW	1/P603-2/33 MAIN STEAM LINE PRESS B LOW	
1 2/P603-2/36 ROD SEQUENCE CONTROL SYTEM MALFUNCTION	1/P603-2/36 ROD SEQUENCE CONTROL SYTEM MALFUNCTION	
1 2/P603-2/37 LPRM UPSCALE	1/P603-2/37 LPRM UPSCALE	
1 2/P603-2/38 ROD OUT BLOCK	1/P603-2/38 ROD OUT BLOCK	
1 2/P603-2/41 LOW CONDENSER VACUUM A BYPASS	1/P603-2/41 LOW CONDENSER VACUUM A BYPASS	
1 2/P603-2/42 LOW CONDENSER VACUUM B BYPASS	1/P603-2/42 LOW CONDENSER VACUUM B BYPASS	
1 2/P603-2/43 TORUS/DRYWELL ISO VLV AUTO CLOSURE BYPASS	1/P603-2/43 TORUS/DRYWELL ISO VLV AUTO CLOSURE BYPASS	
1 2/P603-2/46 LPRM DOWNSCALE	1/P603-2/46 LPRM DOWNSCALE	
1 2/P603-2/47 ROD DRIFT	1/P603-2/47 ROD DRIFT	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P603-2/48 ROD OVERTRAVEL	1/P603-2/48 ROD OVERTRAVEL	
1 2/P603-2/50 TORUS VACUUM RELIEF VALVE F310 OPEN	1/P603-2/50 TORUS VACUUM RELIEF VALVE F310 OPEN	
1 2/P603-2/51 TORUS VACUUM RELIEF VALVE F311 OPEN	1/P603-2/51 TORUS VACUUM RELIEF VALVE F311 OPEN	
1 2/P603-2/52 TIP SHEAR VALVE CLOSED OR CIRCUIT OPEN	1/P603-2/52 TIP SHEAR VALVE CLOSED OR CIRCUIT OPEN	
1 2/P603-2/53 A RODS BYPASSED	1/P603-2/53 A RODS BYPASSED	
1 2/P603-2/54 B RODS BYPASSED	1/P603-2/54 B RODS BYPASSED	
1 2/P650-P/05 CIRC WTR PUMP SUMP LEVEL HIGH	1/P650-P/05 CIRC WTR PUMP SUMP LEVEL HIGH	
1 2/P650-P/06 PSW VALVE PIT SUMPS LEVEL HIGH	1/P650-P/06 PSW VALVE PIT SUMPS LEVEL HIGH	
1 2/P650-P/07 CONTROL BLDG SUMPS LEVEL HIGH	1/P650-P/07 CONTROL BLDG SUMPS LEVEL HIGH	
1 2/P650-P/17 RADWASTE DIL VALVE PIT SUMP LEVEL HIGH	1/P650-P/17 RADWASTE DIL VALVE PIT SUMP LEVEL HIGH	
1 2/P650-P/48 RBCCW SURGE TK LEVEL LOW OR EXCESS LEAKAGE	1/P650-P/48 RBCCW SURGE TK LEVEL LOW OR EXCESS LEAKAGE	

UNIT VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P650-P/53 RADWASTE BLDG VENT SYSTEM TROUBLE	1/P650-P/53 RADWASTE BLDG VENT SYSTEM TROUBLE	
1 2/P650-P/58 RBCCW SURGE TK LEVEL HIGH	1/P650-P/58 RBCCW SURGE TK LEVEL HIGH	
1 2/P650-R/18 PSW TO CIRC WTR FLUME DIFF TEMP HIGH	1/P650-R/18 PSW TO CIRC WTR FLUME DIFF TEMP HIGH	
1 2/P650-R/35 RHR SERV WTR DIV I STRAINER DIFF PRESS HIGH	1/P650-R/35 RHR SERV WTR DIV I STRAINER DIFF PRESS HIGH	
1 2/P650-R/36 RHR SERV WTR DIV II STRAINER DIFF PRESS HIGH	1/P650-R/36 RHR SERV WTR DIV II STRAINER DIFF PRESS HIGH	
1 2/P651-E/10 VOLT BALANCE RELAY REGULATOR TRIP	1/P651-E/10 VOLT BALANCE RELAY REGULATOR TRIP	
1 2/P651-E/22 HEA RELAY TRIPPED	1/P651-E/22 HEA RELAY TRIPPED	
1 2/P651-E/59 480/277V SWGR ON ALT SOURCE	1/P651-E/59 480/277V SWGR ON ALT SOURCE	
1 2/P651-E/63 TURB TRIP UNIT TIED TO LINE 60 SEC ELAPSED	1/P651-E/63 TURB TRIP UNIT TIED TO LINE 60 SEC ELAPSED	
1 2/P651-H/01 GENERATOR INLET FLOW LOW	1/P651-H/01 GENERATOR INLET FLOW LOW	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P651-H/02 GENERATOR INLET PRESS LOW	1/P651-H/02 GENERATOR INLET PRESS LOW	
1 2/P651-H/03 GENERATOR INLET TEMP HIGH	1/P651-H/03 GENERATOR INLET TEMP HIGH	
1 2/P651-H/04 GENERATOR OUTLET TEMP HIGH	1/P651-H/04 GENERATOR OUTLET TEMP HIGH	
1 2/P651-H/05 STATOR CLG TANK WATER LEVEL HIGH/LOW	1/P651-H/05 STATOR CLG TANK WATER LEVEL HIGH/LOW	
1 2/P651-H/06 GENERATOR PROTECTION CKT ENERGIZED	1/P651-H/06 GENERATOR PROTECTION CKT ENERGIZED	
1 2/P651-H/07 GENERATOR PROTECTION CKT DC FAILURE	1/P651-H/07 GENERATOR PROTECTION CKT DC FAILURE	
1 2/P651-H/08 CONDUCTIVITY ABOVE 0.5 MICROMHOS	1/P651-H/08 CONDUCTIVITY ABOVE 0.5 MICROMHOS	
1 2/P651-H/09 CONDUCTIVITY ABOVE 9.9 MICROMHOS	1/P651-H/09 CONDUCTIVITY ABOVE 9.9 MICROMHOS	
1 2/P651-H/10 STANDBY STATOR CLG PUMP RUNNING	1/P651-H/10 STANDBY STATOR CLG PUMP RUNNING	
1 2/P651-H/11 RECTIFIER TEMP HIGH	1/P651-H/11 RECTIFIER TEMP HIGH	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P651-H/13 MACH GAS PRESS HIGH/LOW	1/P651-H/13 MACH GAS PRESS HIGH/LOW	
1 2/P651-H/14 MACH GAS PURITY LOW	1/P651-H/14 MACH GAS PURITY LOW	
1 2/P651-H/15 MACH GAS TEMP HIGH	1/P651-H/15 MACH GAS TEMP HIGH	
1 2/P651-H/16 EMERG SEAL OIL PUMP RUNNING	1/P651-H/16 EMERG SEAL OIL PUMP RUNNING	
1 2/P651-H/17 EMERG SEAL OIL PUMP OVERLOAD	1/P651-H/17 EMERG SEAL OIL PUMP OVERLOAD	
1 2/P651-H/18 DIFF SEAL OIL PRESS LOW	1/P651-H/18 DIFF SEAL OIL PRESS LOW	
1 2/P651-H/19 VAC TANK OIL LEVEL HIGH/LOW	1/P651-H/19 VAC TANK OIL LEVEL HIGH/LOW	
1 2/P651-H/21 GENERATOR CASING LIQ DET FULL	1/P651-H/21 GENERATOR CASING LIQ DET FULL	
1 2/P651-H/22 SEAL DRAIN ENLARGE LIQUID DETECTOR FULL	1/P651-H/22 SEAL DRAIN ENLARGE LIQUID DETECTOR FULL	
1 2/P651-H/23 ALTERNATOR CASE LIQUID DET FULL	1/P651-H/23 ALTERNATOR CASE LIQUID DET FULL	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P651-H/24 ALTERNATOR AIR TEMP HIGH	1/P651-H/24 ALTERNATOR AIR TEMP HIGH	
1 2/P651-H/26 GENERATOR CORE MONITOR	1/P651-H/26 GENERATOR CORE MONITOR	
1 2/P654-V/01 RB INSIDE TO OUTSIDE AIR DIFF PRESS LOW	1/P654-V/01 RB INSIDE TO OUTSIDE AIR DIFF PRESS LOW	
1 2/P654-V/03 LIQ NITROGEN STORAGE TANK LEVEL LOW	1/P654-V/03 LIQ NITROGEN STORAGE TANK LEVEL LOW	
1 2/P654-V/06 FPC SYS GATE SEALS LEAKING	1/P654-V/06 FPC SYS GATE SEALS LEAKING	
1 2/P654-V/07 SPENT FUEL STORAGE POOL LEVEL HIGH	1/P654-V/07 SPENT FUEL STORAGE POOL LEVEL HIGH	
1 2/P654-V/08 DRYER SEPARATOR POOL LEVEL HIGH	1/P654-V/08 DRYER SEPARATOR POOL LEVEL HIGH	
1 2/P654-V/16 SBGT STANDBY SYSTEM RUNNING	1/P654-V/16 SBGT STANDBY SYSTEM RUNNING	
1 2/P654-V/19 N2 INERT SYS INLET FLOW HIGH	1/P654-V/19 N2 INERT SYS INLET FLOW HIGH	
1 2/P654-V/21 REFUELING BELLOWS ASSY RUPTURE	1/P654-V/21 REFUELING BELLOWS ASSY RUPTURE	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P654-V/22 SPENT FUEL STORAGE POOL LEVEL LOW	1/P654-V/22 SPENT FUEL STORAGE POOL LEVEL LOW	
1 2/P654-V/34 N2 INERT SYS INLET PRESS HIGH	1/P654-V/34 N2 INERT SYS INLET PRESS HIGH	
1 2/P654-V/35 DRWL/TORUS N2 M/U 2 INCH ISOL VALVES OPEN	1/P654-V/35 DRWL/TORUS N2 M/U 2 INCH ISOL VALVES OPEN	
1 2/P654-V/40 BATTERY ROOM EXH FAN C015 FLOW LOW	1/P654-V/40 BATTERY ROOM EXH FAN C015 FLOW LOW	
1 2/P654-V/49 N2 INERT SYS INLET TEMP LOW	1/P654-V/49 N2 INERT SYS INLET TEMP LOW	
1 2/P654-V/64 N2 INERT SYS MAKEUP PRESS LOW	1/P654-V/64 N2 INERT SYS MAKEUP PRESS LOW	
1 2/P654-V/71 DRYWELL COOLING UNIT B007A AIR DISCH TEMP HIGH	1/P654-V/71 DRYWELL COOLING UNIT B007A AIR DISCH TEMP HIGH	
1 2/P654-V/72 DRYWELL COOLING UNIT B008A AIR DISCH TEMP HIGH	1/P654-V/72 DRYWELL COOLING UNIT B008A AIR DISCH TEMP HIGH	
1 2/P654-V/73 DRYWELL COOLING UNIT B009A AIR DISCH TEMP HIGH	1/P654-V/73 DRYWELL COOLING UNIT B009A AIR DISCH TEMP HIGH	
1 2/P654-V/79 N2 INERT SYS MAKEUP TEMP LOW	1/P654-V/79 N2 INERT SYS MAKEUP TEMP LOW	

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P654-V/86 DRYWELL COOLING UNIT B007B AIR DISCH TEMP HIGH	1/P654-V/86 DRYWELL COOLING UNIT B007B AIR DISCH TEMP HIGH	
1 2/P654-V/87 DRYWELL COOLING UNIT B008B AIR DISCH TEMP HIGH	1/P654-V/87 DRYWELL COOLING UNIT B008B AIR DISCH TEMP HIGH	
1 2/P654-V/88 DRYWELL COOLING UNIT B009B AIR DISCH TEMP HIGH	1/P654-V/88 DRYWELL COOLING UNIT B009B AIR DISCH TEMP HIGH	
1 2/P601-4/02 DRYWELL HIGH PRESSURE INITIATION	1/P601-4/05 DRYWELL HIGH PRESSURE INITIATION	LOCATED ON SAME PANEL/BOX AS UNIT 1
1 2/P601-4/08 REACTOR LOW LEVEL INITIATION	1/P601-4/11 REACTOR LOW LEVEL INITIATION	LOCATED ON SAME PANEL/BOX AS UNIT 1
1 2/P601-4/14 REACTOR PRESS LOW 500 PSIG	1/P601-4/17 REACTOR PRESS LOW 500 PSIG	LOCATED ON SAME PANEL/BOX AS UNIT 1
1 2/P601-4/20 REACTOR LEVEL LOW	1/P601-4/23 REACTOR LEVEL LOW	LOCATED ON SAME PANEL/BOX AS UNIT 1
1 2/P601-4/22 CORE PLATE TOP TO SPRAY HDR A DIFF PRESS HIGH	1/P601-4/12 SPRAY HEADER A FAILURE IF ABOVE 900 PSIG	LOCATED ON SAME PANEL/BOX AS UNIT 1
1 2/P601-1/33 RX BLDG VT MON HIGH/LOW FLOW DOWNSCALE/INOP	1/P601-1/33 RX BLDG VENT SAMPLE FLOW HIGH/LOW	SAME ALARM - SAME LOCATION
1 2/P603-1/05 REACTOR VESSEL HIGH PRESSURE TRIP	1/P603-1/05 REACTOR VESSEL HIGH PRESS TRIP	SAME ALARM - SAME LOCATION

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P603-1/14 REACTOR VESSEL PRESSURE HIGH	1/P603-1/14 REACTOR PRESSURE HIGH	SAME ALARM - SAME LOCATION
1 2/P603-1/20 CRD PUMP A SUCTION FILTER DIFF PRESS HIGH	1/P603-1/20 CRD PUMP SUCTION FILTER A DIFF PRESS HIGH	SAME ALARM - SAME LOCATION
1 2/P603-1/21 CRD PUMP B SUCTION FILTER DIFF PRESS HIGH	1/P603-1/21 CRD PUMP SUCTION FILTER B DIFF PRESS HIGH	SAME ALARM - SAME LOCATION
1 2/P603-2/39 RMCS/RWM ROD BLOCK OR SYS TROUBLE	1/P603-2/39 RMCS/RWM ROD BLOCK OR SYS TROUBLE	SAME ALARM - SAME LOCATION
1 2/P603-2/45 ALL A/B SEQ RODS NOT FULL OUT	1/P603-2/45 ALL A/B SEQ RODS NOT FULL OUT	SAME ALARM - SAME LOCATION
1 2/P650-P/10 PSW PUMP 2A OVLD/LOCKOUT RELAY TRIP	1/P650-P/10 PSW PUMP 1A OVLD/LOCKOUT RELAY TRIP	SAME ALARM - SAME LOCATION
1 2/P650-P/20 PSW PUMP 2B OVLD/LOCKOUT RELAY TRIP	1/P650-P/20 PSW PUMP 1B OVLD/LOCKOUT RELAY TRIP	SAME ALARM - SAME LOCATION
1 2/P650-P/30 PSW PUMP 2C OVLD/LOCKOUT RELAY TRIP	1/P650-P/30 PSW PUMP 1C OVLD/LOCKOUT RELAY TRIP	SAME ALARM - SAME LOCATION
1 2/P650-P/40 PSW PUMP 2D OVLD/LOCKOUT RELAY TRIP	1/P650-P/40 PSW PUMP 1D OVLD/LOCKOUT RELAY TRIP	SAME ALARM - SAME LOCATION
1 2/P650-P/49 RBCCW HX OUTLET TEMP HIGH	1/P650-P/49 RBCCW HXS OUTLET TEMP HIGH	SAME ALARM - SAME LOCATION

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P650-P/59 RBCCW HX OUTLET TEMP LOW	1/P650-P/59 RBCCW HXS OUTLET TEMP LOW	SAME ALARM - SAME LOCATION
1 2/P650-R/03 RFPT 2A/B EMERG DC OIL PUMPS C009/C010 OVLD	1/P650-R/03 RFPT 1A/1B BRG EMERG OIL PUMP OVERLOAD	SAME ALARM - SAME LOCATION
1 2/P650-R/21 RFPT 2A SUCTION PRESS. LOW	1/P650-R/21 RFPT 1A SUCTION PRESS LOW	SAME ALARM - SAME LOCATION
1 2/P650-R/31 RFPT 2A EXCESSIVE VIBRATION	1/P650-R/31 RFPT 1A EXCESSIVE VIBRATION	SAME ALARM - SAME LOCATION
1 2/P651-H/25 RECTIFIER COOLANT FLOW LOW	1/P651-H/25 RECTIFIER WATER DIFF PRESS HIGH	SAME ALARM - SAME LOCATION
1 2/P654-V/04 MULTIPOINT TEMP RCDR 2T41-R620 TEMP HIGH	1/P654-V/04 MULTIPOINT TEMP RCDR 1T41-R620 TEMP HIGH	SAME ALARM - SAME LOCATION
1 2/P654-V/05 FUEL POOL PUMP DISCH PRESS HIGH	1/P654-V/05 1A FUEL POOL PUMP DISCH PRESS HIGH	SAME ALARM - SAME LOCATION
1 2/P654-V/12 TURB BLDG VENT EXH FILTER A DIFF PRESS HIGH	1/P654-V/12 TB EXH FLTR A DIFF PRESS HIGH	SAME ALARM - SAME LOCATION
1 2/P654-V/13 TURB BLDG VENT EXH FILTER B DIFF PRESS HIGH	1/P654-V/13 TB EXH FLTR B DIFF PRESS HIGH	SAME ALARM - SAME LOCATION
1 2/P654-V/23 DRWL-DRYER/SEP BELLOWS ASSEM LEAKING	1/P654-V/23 DRWL-DRYER/SEP BELLOWS ASSY LEAKING	SAME ALARM - SAME LOCATION

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P654-V/31 2B SBT FAN FLOW LOW	1/P654-V/31 1B SBT FAN FLOW LOW	SAME ALARM - SAME LOCATION
1 2/P654-V/37 FUEL POOL PUMP DISCH PRESS LOW	1/P654-V/37 1A FUEL POOL PUMP DISCH PRESS LOW	SAME ALARM - SAME LOCATION
1 2/P654-V/41 DRYWELL COOLING UNIT B007A/7B FLOW LOW	1/P654-V/41 DRYWELL COOLING UNIT B007A DIFF PRESS LOW	SAME ALARM - SAME LOCATION
1 2/P654-V/42 DRYWELL COOLING UNIT B008A/8B FLOW LOW	1/P654-V/42 DRYWELL COOLING UNIT B008A DIFF PRESS LOW	SAME ALARM - SAME LOCATION
1 2/P654-V/43 DRYWELL COOLING UNIT B009A/9B FLOW LOW	1/P654-V/43 DRYWELL COOLING UNIT B009A DIFF PRESS LOW	SAME ALARM - SAME LOCATION
1 2/P654-V/46 2B SBT FLTR DIFF PRESS HIGH	1/P654-V/46 1B SBT FLTR DIFF PRESS HIGH	SAME ALARM - SAME LOCATION
1 2/P654-V/52 FPC SYS SKIMMER SURGE TANK 2A LEVEL HIGH	1/P654-V/52 FPC SYS SKIMMER SURGE TANK 1A LEVEL HIGH	SAME ALARM - SAME LOCATION
1 2/P654-V/53 FPC SYS SKIMMER SURGE TANK 2B LEVEL HIGH	1/P654-V/53 FPC SYS SKIMMER SURGE TANK 1B LEVEL HIGH	SAME ALARM - SAME LOCATION
1 2/P654-V/55 CONTROL BLDG EXH FAN FLOW LOW	1/P654-V/55 CONTROL BLDG EXH FAN COOL FLOW LOW	SAME ALARM - SAME LOCATION
1 2/P654-V/61 2B SBT FLTR MOISTURE HIGH	1/P654-V/61 1B SBT FLTR MOISTURE HIGH	SAME ALARM - SAME LOCATION

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
1 2/P654-V/67 FPC SYS SKIMMER SURGE TANK 2A LEVEL LOW	1/P654-V/67 FPC SYS SKIMMER SURGE TANK 1A LEVEL LOW	SAME ALARM - SAME LOCATION
1 2/P654-V/68 FPC SYS SKIMMER SURGE TANK 2B LEVEL LOW	1/P654-V/68 FPC SYS SKIMMER SURGE TANK 1B LEVEL LOW	SAME ALARM - SAME LOCATION
1 2/P654-V/76 2E SBT SWITCH NOT IN AUTO	1/P654-V/76 1B SBT SWITCH NOT IN AUTO	SAME ALARM - SAME LOCATION
1 2/P654-V/82 FPC SYS SKIMMER SURGE TANK 2A LEVEL LOW LOW	1/P654-V/82 FPC SYS SKIMMER SURGE TANK 1A LEVEL LOW LOW	SAME ALARM - SAME LOCATION
1 2/P654-V/83 FPC SYS SKIMMER SURGE TANK 2B LEVEL LOW LOW	1/P654-V/83 FPC SYS SKIMMER SURGE TANK 1B LEVEL LOW LOW	SAME ALARM - SAME LOCATION

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
** 2		
2 2/P601-2/33 COND STOR TANK LEVEL LOW	1/P601-2/06 COND STOR TANK LEVEL LOW	ABOVE ITS CONTROL
2 2/P650-R/01 RFPT 2A OIL PUMPS C007A/B OVERLOAD	1/P650-R/14 RFPT 1A OIL PUMPS C005A/B OVERLOAD	ABOVE ITS CONTROL
2 2/P650-R/02 RFPT 2B OIL PUMPS C008A/B OVERLOAD	1/P650-R/17 RFPT 1B OIL PUMPS C006A/B OVERLOAD	ABOVE ITS CONTROL
2 2/P650-R/04 RFPT 2A SPEED ZERO	1/P650-R/19 RFPT 1A SPEED ZERO	ABOVE ITS CONTROL
2 2/P650-R/05 RFPT 2A THRUST BRG WEAR TRIP	1/P650-R/07 RFPT 1A THRUST BRG WEAR TRIP	ABOVE ITS CONTROL
2 2/P650-R/06 RFPT 2B SPEED ZERO	1/P650-R/22 RFPT 1B SPEED ZERO	ABOVE ITS CONTROL
2 2/P650-R/07 RFPT 2B THRUST BRG WEAR TRIP	1/P650-R/10 RFPT 1B THRUST BRG WEAR TRIP	ABOVE ITS CONTROL
2 2/P650-R/08 RFPT 2A THRUST BRG WEAR TRIP LOCKOUT	1/P650-R/25 RFPT 1A THRUST BRG WEAR TRIP LOCKOUT	ABOVE ITS CONTROL
2 2/P650-R/09 RFPT 2B THRUST BRG WEAR TRIP LOCKOUT	1/P650-R/28 RFPT 1B THRUST BRG WEAR TRIP LOCKOUT	ABOVE ITS CONTROL
2 2/P650-R/10 RFPT/RFP A BRG OIL PRESS LOW	1/P650-R/13 RFP 1A BRG OIL PRESS LOW	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P650-R/11 RFPT/RFP B BRG OIL PRESS LOW	1/P650-R/16 RFP 1B BRG OIL PRESS LOW	ABOVE ITS CONTROL
2 2/P650-R/12 RFPT 2A OIL RESERVOIR LEVEL LOW	1/P650-R/20 RFPT 1A OIL RESERVOIR LEVEL HIGH/LOW	ABOVE ITS CONTROL
2 2/P650-R/13 RFPT 2A BRG OIL TEMP HIGH	1/P650-R/02	ABOVE ITS CONTROL
2 2/P650-R/14 RFPT 2B OIL RESERVOIR LEVEL LOW	1/P650-R/23 RFPT 1B OIL RESERVOIR LEVEL HIGH/LOW	ABOVE ITS CONTROL
2 2/P650-R/15 RFPT 2B BRG OIL TEMP HIGH	1/P650-R/05 RFPT 1B BRG OIL TEMP HIGH	ABOVE ITS CONTROL
2 2/P650-R/23 RFPT 2A EMERG DC OIL PUMP RUNNING	1/P650-R/26 RFPT 1A BRG EMERG OIL PUMP RUNNING	ABOVE ITS CONTROL
2 2/P650-R/24 RFPT 2B EMERG DC OIL PUMP RUNNING	1/P650-R/29 RFPT 1B BRG EMERG OIL PUMP RUNNING	ABOVE ITS CONTROL
2 2/P650-R/25 RFPT 2A TRIP	1/P650-R/01 RFPT 1A TRIP	ABOVE ITS CONTROL
2 2/P650-R/26 RFPT 2B TRIP	1/P650-R/04 RFPT 1B TRIP	ABOVE ITS CONTROL
2 2/P650-R/29 RFPT 2A BRG TEMP HIGH	1/P650-R/09 RFPT BRG TEMP HIGH	ABOVE ITS CONTROL
2 2/P650-R/32 RFPT 2B EXCESSIVE VIBRATION	1/P650-R/34 RFPT 1B EXCESSIVE VIBRATION	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P650-R/34 RFPT 2B SUCTION PRESS. LOW	1/P650-R/27 RFPT 1B SUCTION PRESS LOW	ABOVE ITS CONTROL
2 2/P650-T/02 TURBINE VACUUM LOW	1/P650-T/48 TURBINE VACUUM LOW	ABOVE ITS CONTROL
2 2/P650-T/03 PSW MAIN HDR DIV I PRESS LOW	1/P650-T/33 PSW MAIN HDR DIV I PRESS LOW	ABOVE ITS CONTROL
2 2/P650-T/04 TURB SHAFT PUMP DISCH PRESS LOW TRIP	1/P650-T/09 TURB SHAFT PUMP DISCH PRESS LOW TRIP	ABOVE ITS CONTROL
2 2/P650-T/05 TURBINE OVERSPEED TRIP	1/P650-T/16 TURBINE OVERSPEED TRIP	ABOVE ITS CONTROL
2 2/P650-T/06 EHC FLUID PRESS TRIP	1/P650-T/50 EHC FLUID PRESS TRIP	ABOVE ITS CONTROL
2 2/P650-T/07 EHC FLUID RESERVOIR LEVEL HIGH/LOW	1/P650-T/28 EHC FLUID RESERVOIR LEVEL HIGH/LOW	ABOVE ITS CONTROL
2 2/P650-T/08 EHC FLUID TEMP HIGH/LOW OR FLTR DIFF ALARM	1/P650-T/17 EHC FLUID TEMP HIGH/LOW OR FLTR DIFF ALARM	ABOVE ITS CONTROL
2 2/P650-T/10 TURBINE OIL TANK LEVEL HIGH/LOW	1/P650-T/07 TURBINE OIL TANK LEVEL HIGH/LOW	ABOVE ITS CONTROL
2 2/P650-T/13 TURBINE METAL DIFF TEMP HIGH	1/P650-T/38 TURBINE METAL DIFF TEMP HIGH	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P650-T/14 MOTOR SUCTION PUMP OVERLOAD	1/P650-T/41 MOTOR SUCTION PUMP OVERLOAD	ABOVE ITS CONTROL
2 2/P650-T/15 TGOP/EBOP OVERLOAD	1/P650-T/63 TGOP/EBOP OVERLOAD	ABOVE ITS CONTROL
2 2/P650-T/22 TURBINE EXHAUST HOOD TEMP HIGH	1/P650-T/49 TURBINE EXHAUST HOOD TEMP HIGH	ABOVE ITS CONTROL
2 2/P650-T/23 EXHAUST HOOD TEMPERATURE TRIP	1/P650-T/60 EXHAUST HOOD TEMPERATURE TRIP	ABOVE ITS CONTROL
2 2/P650-T/24 MAX COMBINED FLOW LIMIT LIMITING	1/P650-T/56 MAX COMBINED FLOW LIMIT LIMITING	ABOVE ITS CONTROL
2 2/P650-T/25 STEAM SEAL PRESS LOW	1/P650-T/26 STEAM SEAL PRESS LOW	ABOVE ITS CONTROL
2 2/P650-T/26 MAIN STOP VALVES 1 AND 4 CLOSED	1/P650-T/03 MAIN STOP VALVES 1 AND 4 CLOSED	ABOVE ITS CONTROL
2 2/P650-T/27 MAIN STOP VALVES 2 AND 3 CLOSED	1/P650-T/14 MAIN STOP VALVES 2 AND 3 CLOSED	ABOVE ITS CONTROL
2 2/P650-T/28 INTERCEPT VALVES 1 AND 2 CLOSED	1/P650-T/25 INTERCEPT VALVES 1 AND 2 CLOSED	ABOVE ITS CONTROL
2 2/P650-T/29 INTERCEPT VALVES 3 AND 4 CLOSED	1/P650-T/36 INTERCEPT VALVES 3 AND 4 CLOSED	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P650-T/30 INTERMEDIATE STOP VLVS 1&2 CLOSED	1/P650-T/47 INTERMEDIATE STOP VLVS 1&2 CLOSED	ABOVE ITS CONTROL
2 2/P650-T/31 INTERMEDIATE STOP VLVS 3&4 CLOSED	1/P650-T/58 INTERMEDIATE STOP VLVS 3&4 CLOSED	ABOVE ITS CONTROL
2 2/P650-T/32 TURB BRG OIL PRESS LOW	1/P650-T/29 TURB BRG OIL PRESS LOW	ABOVE ITS CONTROL
2 2/P650-T/33 TURBINE SPEED ZERO	1/P650-T/27 TURBINE SPEED ZERO	ABOVE ITS CONTROL
2 2/P650-T/36 SHAFT VIB/ EXPANSION ALARM	1/P650-T/05 SHAFT VIB/ EXPANSION ALARM	ABOVE ITS CONTROL
2 2/P650-T/39 EBOP RUNNING	1/P650-T/51 EBOP RUNNING	ABOVE ITS CONTROL
2 2/P650-T/42 TURB OIL TANK LEVEL HIGH-HIGH	1/P650-T/18 TURB OIL TANK LEVEL HIGH-HIGH	ABOVE ITS CONTROL
2 2/P650-T/45 LOSS OF STATOR COOLANT TRIP	1/P650-T/04 LOSS OF STATOR COOLANT TRIP	ABOVE ITS CONTROL
2 2/P650-T/50 TURBINE SUPV EQUIP POWER FAILURE	1/P650-T/31 TURBINE SUPV EQUIP POWER FAILURE	ABOVE ITS CONTROL
2 2/P650-T/54 STANDBY EHC PUMP RUNNING	1/P650-T/61 STANDBY EHC PUMP RUNNING	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P650-T/55 MOTOR SUCTION PUMP RUNNING	1/P650-T/30 MOTOR SUCTION PUMP RUNNING	ABOVE ITS CONTROL
2 2/P650-T/56 PSW MAIN HDR DIV II PRESS LOW	1/P650-T/44 PSW MAIN HDR DIV II PRESS LOW	ABOVE ITS CONTROL
2 2/P650-T/58 EHC FLUID RESERVOIR LEVEL HIGH-HIGH	1/P650-T/39 EHC FLUID RESERVOIR LEVEL HIGH-HIGH	ABOVE ITS CONTROL
2 2/P650-T/60 MSR HIGH LEVEL TRIP	1/P650-T/46 MSR HIGH LEVEL TRIP	ABOVE ITS CONTROL
2 2/P650-T/61 EHC POWER LOSS	1/P650-T/06 EHC POWER LOSS	ABOVE ITS CONTROL
2 2/P650-T/65 TURB GEN/CWPS ERG TEMP HIGH	1/P650-T/40 TURB GEN BRG TEMP HIGH	ABOVE ITS CONTROL
2 2/P651-E/01 GENERATOR NEGATIVE SEQUENCE	1/P651-E/43 GENERATOR NEGATIVE SEQUENCE	ABOVE ITS CONTROL
2 2/P651-E/03 GEN/EXCTR FIELD GROUND DET RELAY	1/P651-E/44 GEN/EXCTR FIELD GROUND DET RELAY	ABOVE ITS CONTROL
2 2/P651-E/05 GENERATOR LOSS OF EXCITATION	1/P651-E/21 GENERATOR LOSS OF EXCITATION	ABOVE ITS CONTROL
2 2/P651-E/06 GENERATOR IMPEDANCE RELAY TRIPPED	1/P651-E/32 GENERATOR IMPEDANCE RELAY TRIPPED	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P651-E/07 GENERATOR BUS COOLING ALARM	1/P651-E/55 GENERATOR BUS COOLING ALARM	ABOVE ITS CONTROL
2 2/P651-E/08 GENERATOR VOLTS HERTZ HIGH	1/P651-E/65 GENERATOR VOLTS HERTZ HIGH	ABOVE ITS CONTROL
2 2/P651-E/09 GEN FIELD OVERVOLTAGE EXCITER TRIPPED	1/P651-E/11 GEN FIELD OVERVOLTAGE EXCITER TRIPPED	ABOVE ITS CONTROL
2 2/P651-E/12 MAIN TRANSFORMER MISC ALARM	1/P651-E/26 MAIN TRANSFORMER MISC ALARM	ABOVE ITS CONTROL
2 2/P651-E/13 MAIN XFMR WINDING TEMP HIGH	1/P651-E/27 MAIN XFMR WINDING TEMP HIGH	ABOVE ITS CONTROL
2 2/P651-E/14 UNIT AUX XFMR 2A MISC ALARM	1/P651-E/28 UNIT AUX XFMR 1A MISC ALARM	ABOVE ITS CONTROL
2 2/P651-E/15 UNIT AUX XFMR 2A WINDING TEMP HIGH	1/P651-E/29 UNIT AUX XFMR 1A WINDING TEMP HIGH	ABOVE ITS CONTROL
2 2/P651-E/16 UNIT AUX XFMR 2B MISC ALARM	1/P651-E/30 UNIT AUX XFMR 1B MISC ALARM	ABOVE ITS CONTROL
2 2/P651-E/17 UNIT AUX XFMR 2B WINDING TEMP HIGH	1/P651-E/31 UNIT AUX XFMR 1B WINDING TEMP HIGH	ABOVE ITS CONTROL
2 2/P651-E/18 STARTUP AUX XFMR 2C MISC ALARM	1/P651-E/16 STARTUP AUX XFMR 1C MISC ALARM	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P651-E/19 STARTUP AUX XFMR 2C WINDING TEMP HIGH	1/P651-E/17 STARTUP AUX XFMR 1C WINDING TEMP HIGH	ABOVE ITS CONTROL
2 2/P651-E/20 STARTUP AUX XFMR 2D MISC ALARM	1/P651-E/19 STARTUP AUX XFMR 1D MISC ALARM	ABOVE ITS CONTROL
2 2/P651-E/21 STARTUP AUX XFMR 2D WINDING TEMP HIGH	1/P651-E/20 STARTUP AUX XFMR 1D WINDING TEMP HIGH	ABOVE ITS CONTROL
2 2/P651-E/23 STA SERVICE SUPPLY BREAKER TRIPPED	1/P651-E/03 STA SERVICE SUPPLY BREAKER TRIPPED	ABOVE ITS CONTROL
2 2/P651-E/24 EXCITER FIELD OVERCURRENT	1/P651-E/33 EXCITER FIELD OVERCURRENT	ABOVE ITS CONTROL
2 2/P651-E/25 125/250V BATTERY VOLTS LOW	1/P651-E/39 125/250V BATT LOW VOLTS OR FUSE TROUBLE	ABOVE ITS CONTROL
2 2/P651-E/26 125/250V BATT CHGR MALFUNCTION	1/P651-E/40 125/250V BATT CHGR MALFUNCTION	ABOVE ITS CONTROL
2 2/P651-E/27 125/250V BATTERY GND FAULT	1/P651-E/41 125/250V BATTERY GND FAULT	ABOVE ITS CONTROL
2 2/P651-E/29 24/48V BATT VOLTS LOW	1/P651-E/37 24/48V BATT VOLTS LOW	ABOVE ITS CONTROL
2 2/P651-E/31 INVERTER 2R44-S002 TROUBLE	1/P651-E/42 INVERTER 1R44-S002 TROUBLE	ABOVE ITS CONTROL

UNIT 2 V. UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P651-E/34 VITAL AC SYS TROUBLE	1/P651-E/56 VITAL AC SYS TROUBLE	ABOVE ITS CONTROL
2 2/P651-E/35 VOLTAGE REGULATOR TRIPPED	1/P651-E/66 VOLTAGE REGULATOR TRIPPED	ABOVE ITS CONTROL
2 2/P651-E/43 STA SVC SWGR DC OFF	1/P651-E/04 STA SVC SWGR DC OFF	ABOVE ITS CONTROL
2 2/P651-E/44 COOLING TOWER BRKR TRIPPED	1/P651-E/50 COOLING TOWER/ DEEP WELL PUMP BRKR TRIPPED	ABOVE ITS CONTROL
2 2/P651-E/45 208V BUS ON ALT SUPPLY	1/P651-E/25 208V BUS ON ALT SUPPLY	ABOVE ITS CONTROL
2 2/P651-E/46 208V BUS UNDV/ SUPPLY BRKR TRIPPED	1/P651-E/36 208V BUS UNDV/ SUPPLY BRKR TRIPPED	ABOVE ITS CONTROL
2 2/P651-E/48 INVERTER 2R44-S003 TROUBLE	1/P651-E/53 INVERTER 1R44-S003 TROUBLE	ABOVE ITS CONTROL
2 2/P651-E/50 VITAL AC SYS ON ALT SUPPLY	1/P651-E/57 VITAL AC SYS ON ALT SUPPLY	ABOVE ITS CONTROL
2 2/P651-E/51 120/208V FEEDER TRIPPED	1/P651-E/47 120/208V FEEDER TRIPPED	ABOVE ITS CONTROL
2 2/P651-E/53 CLG TOWER 120/208V SUPPLY LOSS	1/P651-E/48 CLG TOWER 120/208V SUPPLY LOSS	ABOVE ITS CONTROL
2 2/P651-E/54 COOLING TOWER TRANSFORMERS ALARM	1/P651-E/49 600V CLG TWR TRANSFORMER MALFUNCTION	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P651-E/55 600V STA SVC TRANSFORMERS ALARM	1/P651-E/05 600V STA SVC TRANSFORMERS ALARM	ABOVE ITS CONTROL
2 2/P651-E/56 STARTUP XFMR 2C FAULT PRESSURE ALARM	1/P651-E/15 STARTUP XFMR 1C FAULT PRESSURE ALARM	ABOVE ITS CONTROL
2 2/P651-E/57 STARTUP XFMR 2D FAULT PRESSURE ALARM	1/P651-E/18 STARTUP XFMR 1D FAULT PRESSURE ALARM	ABOVE ITS CONTROL
2 2/P651-E/58 MAIN XFMR FAULT PRESSURE ALARM	1/P651-E/14 MAIN XFMR FAULT PRESSURE ALARM	ABOVE ITS CONTROL
2 2/P651-E/61 MAIN GEN/ALTNTR TEMPERATURE TROUBLE	1/P651-E/54 MAIN GEN/ALTNTR TEMPERATURE TROUBLE	ABOVE ITS CONTROL
2 2/P654-V/02 DRYWELL VENT EXHAUST BYPASS VALVES OPEN	1/P654-V/14 DRYWELL VENT EXHAUST BYPASS VALVES OPEN	ABOVE ITS CONTROL
2 2/P654-V/14 FUEL POOL XFER CANAL BLADDER AIR PRESS LOW	1/P654-V/51 FUEL POOL XFER CANAL BLADDER AIR PRESS LOW	ABOVE ITS CONTROL
2 2/P654-V/15 FUEL POOL XFER CANAL SUPPLY AIR PRESS LOW	1/P654-V/66 FUEL POOL XFER CANAL SUPPLY AIR PRESS LOW	ABOVE ITS CONTROL
2 2/P654-V/17 TORUS VENT EXHAUST BYPASS VALVES OPEN	1/P654-V/29 TORUS VENT EXHAUST BYPASS VALVES OPEN	ABOVE ITS CONTROL
2 2/P654-V/32 PCIS HIGH DRWL PRESS SIGNAL IN OVRD	1/P654-V/44 PCIS HIGH DRWL PRESS SIGNAL TO OVRD	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P654-V/47 PCIS RPV LEVEL LOW SIGNAL IN OVRD	1/P654-V/59 PCIS RPV LEVEL LOW SIGNAL IN OVRD	ABOVE ITS CONTROL
2 2/P654-V/62 PCIS RX BLDG HI RADN SIGNAL IN OVRD	1/P654-V/74 PCIS RX BLDG HI RADN SIGNAL IN OVRD	ABOVE ITS CONTROL
2 2/P654-V/74 MULTIPOINT TEMP RCDR 2T47-R612 TEMP HIGH	1/P654-V/09 MULTIPOINT TEMP RCDR 1T47-R612 TEMP HIGH	ABOVE ITS CONTROL
2 2/P654-V/77 PCIS RF HIGH RADN SIGNAL IN C 7	1/P654-V/89 PCIS RF HIGH RADN SIGNAL IN OVRD	ABOVE ITS : ONTROL
2 2/P650-T/62 BELLOWS FAILURE	1/P650-T/37 BELLOWS FAILURE	ABOVE ITS CONTROL #10, #131
2 2/P650-T/53 TGOP START FAILURE	1/P650-T/62 TGOP START FAILURE	ABOVE ITS CONTROL #147, #21
2 2/P650-T/52 QUILL SHAFT FAILURE	1/P650-T/08 QUILL SHAFT FAILURE	ABOVE ITS CONTROL #147, #22
2 2/P650-T/21 VAPOR EXTRACTOR FAILURE	1/P650-T/19 VAPOR EXTRACTOR FAILURE	ABOVE ITS CONTROL Ref #30
2 2/P601-2/03 HPCI TURBINE TRIP	1/P601-2/11 HPCI TURBINE TRIP	ABOVE ITS CONTROLS
2 2/P601-2/04 HPCI STEAM LINE DIFF PRESS HIGH	1/P601-2/12 HPCI STEAM LINE DIFF PRESS HIGH	ABOVE ITS CONTROLS
2 2/P601-2/05 HPCI ISOL TIMER INITIATED	1/P601-2/18 HPCI ISOL TIMER INITIATED	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P601-2/09 HPCI TURBINE TRIP SOLENOID ENERGIZED	1/P601-2/17 HPCI TURBINE TRIP SOLENOID ENERGIZED	ABOVE ITS CONTROLS
2 2/P601-2/15 HPCI ISOLATION TRIP LOGIC A INITIATED	1/P601-2/23 HPCI ISOLATION TRIP LOGIC A INITIATED	ABOVE ITS CONTROLS
2 2/P601-2/16 HPCI TURBINE EXH DIAPHRAGM PRESS HIGH	1/P601-2/24 HPCI TURBINE EXH DIAPHRAGM PRESS HIGH	ABOVE ITS CONTROLS
2 2/P601-2/20 HPCI SYSTEM INVERTER CIRCUIT FAILURE	1/P601-2/28 HPCI SYSTEM INVERTER CIRCUIT FAILURE	ABOVE ITS CONTROLS
2 2/P601-2/21 HPCI ISOLATION TRIP LOGIC B INITIATED	1/P601-2/29 HPCI ISOLATION TRIP LOGIC B INITIATED	ABOVE ITS CONTROLS
2 2/P601-2/22 HPCI TURB EXH PRESS HIGH	1/P601-2/30 HPCI TURB EXH PRESS HIGH	ABOVE ITS CONTROLS
2 2/P601-2/26 HPCI LOGIC BUS POWER FAILURE	1/P601-2/34 HPCI LOGIC BUS POWER FAILURE	ABOVE ITS CONTROLS
2 2/P601-2/27 TORUS LEVEL HIGH	1/P601-2/35 TORUS LEVEL HIGH	ABOVE ITS CONTROLS
2 2/P601-2/28 HPCI TURBINE EXH DRAIN POT LEVEL HIGH	1/P601-2/36 HPCI TURBINE EXH DRAIN POT LEVEL HIGH	ABOVE ITS CONTROLS
2 2/P601-2/32 HPCI LEAK DET LOGIC POWER FAILURE	1/P601-2/05 HPCI LEAK DET LOGIC POWER FAILURE	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P601-2/36 HPCI VAC BRKR VALVE NOT FULLY OPEN	1/P601-2/22 HPCI VAC BRKR VALVE NOT FULLY OPEN	ABOVE ITS CONTROLS
2 2/P601-3/01 RHR SYSTEM II ACTUATED	1/P601-3/34 RHR SYSTEM II ACTUATED	ABOVE ITS CONTROLS
2 2/P601-3/02 RHR PUMP B TRIP	1/P601-3/06 RHR PUMP B TRIP	ABOVE ITS CONTROLS
2 2/P601-3/07 RHR RELAY LOGIC B POWER FAILURE	1/P601-3/05 RHR RELAY LOGIC B POWER FAILURE	ABOVE ITS CONTROLS
2 2/P601-3/08 RHR PUMP B OVL D / LOCKOUT RELAY TRIP	1/P601-3/12 RHR PUMP B OVL D / LOCKOUT RELAY TRIP	ABOVE ITS CONTROLS
2 2/P601-3/14 RHR LOOP B INJECT VALVES OVERLOAD	1/P601-3/23 RHR LOOP B INJECT VALVES OVERLOAD	ABOVE ITS CONTROLS
2 2/P601-3/15 RHR HX B DIFF PRESS LOW	1/P601-3/30 RHR HX B DIFF PRESS LOW	ABOVE ITS CONTROLS
2 2/P601-3/19 RHR LOOP B JOCKEY PUMP SYS WATER LEVEL LOW	1/P601-3/17 RHR LOOP B JOCKEY PUMP SYS WATER LEVEL LOW	ABOVE ITS CONTROLS
2 2/P601-3/20 RHR LOOP B VALVES OVERLOAD	1/P601-3/29 RHR LOOP B VALVES OVERLOAD	ABOVE ITS CONTROLS
2 2/P601-3/21 CNMT SPRAY B INJECT VALVES OVERLOAD	1/P601-3/35 CNMT SPRAY B INJECT VALVES OVERLOAD	ABOVE ITS CONTROLS
2 2/P601-3/26 RHR SERV WATER PUMP B TRIP	1/P601-3/18 RHR SERV WATER PUMP B TRIP	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P601-3/28 RHR CNMT SPRAY OR SERV WTR PMP SEL IN OVERRIDE	1/P601-3/36 RHR CNMT SPRAY OR SERV WTR PMP SEL IN OVERRIDE	ABOVE ITS CONTROLS
2 2/P601-3/32 RHR SERV WATER PUMP B OVERLOAD	1/P601-3/24 RHR SERV WATER PUMP B OVERLOAD	ABOVE ITS CONTROLS
2 2/P601-4/03 CORE SPRAY A JOCKEY PUMP SYS WATER LEVEL LOW	1/P601-4/04 CORE SPRAY A JOCKEY PUMP SYS WATER LEVEL LOW	ABOVE ITS CONTROLS
2 2/P601-4/04 CORE SPRAY SYSTEM I ACTUATED	1/P601-4/29 CORE SPRAY SYSTEM I ACTUATED	ABOVE ITS CONTROLS
2 2/P601-4/05 CORE SPRAY PUMP A TRIP	1/P601-4/30 CORE SPRAY PUMP A TRIP	ABOVE ITS CONTROLS
2 2/P601-4/10 CORE SPRAY SYS I LOGIC POWER FAILURE	1/P601-4/35 CORE SPRAY SYS I LOGIC POWER FAILURE	ABOVE ITS CONTROLS
2 2/P601-4/11 CS PUMP A OVL / LOCKOUT RELAY TRIP	1/P601-4/36 CS PUMP A OVL / LOCKOUT RELAY TRIP	ABOVE ITS CONTROLS
2 2/P601-4/13 RHR HX A DIFF PRESS LOW	1/P601-4/04 RHR HX A DIFF PRESS LOW	ABOVE ITS CONTROLS
2 2/P601-4/16 CORE SPRAY SYSTEM I VALVES OVERLOAD	1/P601-4/06 CORE SPRAY SYSTEM I VALVES OVERLOAD	ABOVE ITS CONTROLS
2 2/P601-4/19 CNMT SPRAY A INJECT VALVES OVERLOAD	1/P601-4/09 CNMT SPRAY A INJECT VALVES OVERLOAD	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P601-4/25 RHR SERV WATER PUMP C TRIP	1/P601-4/28 RHR SERV WATER PUMP C TRIP	ABOVE ITS CONTROLS
2 2/P601-4/28 CORE SPRAY A DISCH PIPE PRESS HIGH	1/P601-4,18 CORE SPRAY A DISCH PIPE PRESS HIGH	ABOVE : ONTROLS
2 2/P601-4/31 RHR SERV WATER PUMP C OVERLOAD	1/P601-4/34 RHR SERV WATER PUMP C OVERLOAD	ABOVE ITS CONTROLS
2 2/P602-1/06 PUMP MOTOR A OIL LEVEL HIGH	1/P602-1/10 PUMP MOTOR A OIL LEVEL HIGH/LOW	ABOVE ITS CONTROLS
2 2/P602-1/12 PUMP MOTOR A OIL LEVEL LOW	1/P602-1/10 PUMP MOTOR A OIL LEVEL HIGH/LOW	ABOVE ITS CONTROLS
2 2/P650-P/38 HX PSW/RBCCW DIFF PRESS LOW	1/P650-P/50 HX 1A PSW/RBCCW DIFF PRESS LOW	ABOVE ITS CONTROLS
2 2/P602-4/35 ADS INHIBIT SWITCH(ES) IN INHIBIT POSITION	1/P602-3/36 ADS INHIBIT SWITCH(ES) IN INHIBIT POS	BASICALLY ABOVE ITS CONTROLS (#261)
2 2/P650-T/37 4160V STA SVC FDR BRKR TRIP	1/P650-T/42 4160V STA SVC FDR BRKR TRIP	NOT GROUPED BY FUNCTION (PSW)
2 2/P650-1,51 STBY CONDENSATE OR BOOSTER PUMP RUNNING	1/P650-T/21 STBY CONDENSATE OR BOOSTER PUMP RUNNING	NOT LOCATED ABOVE ITS CONTROL #78, #79
2 2/P650-T/64 CONDENSER ROOM FLOODING	1/P650-T/57 CONDENSER ROOM FLOODING	NOT LOCATED ABOVE ITS CONTROL #80, 81

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P601-3/25 HPCI TURBINE IN TEST STATUS	1/P601-3/03 HPCI TURBINE IN TEST STATUS	NOT LOCATED ABOVE ITS CONTROLS
2 2/P601-3/31 HPCI PUMP DISCHARGE FLOW LOW	1/P601-3/09 HPCI PUMP DISCHARGE FLOW LOW	NOT LOCATED ABOVE ITS CONTROLS
2 2/P650-P/57 SPDS INVERTER 2R44-S005 TROUBLE	1/P650-P/08 SPDS INVERTER 1R44-S004 TROUBLE	Refers to Location 112TDT12
2 2/P601-1/21 PRETREATMENT OFF GAS RADIATION HI-HI	1/P601-1/22 PRETREATMENT OFF GAS RADIATION HI-HI	Refers to Panel 2H11-P600
2 2/P601-1/26 RX BLDG POT CONTAM AREA RADIATION HIGH	1/P601-1/20 RX BLDG POT CONTAM AREA RADIATION HIGH	Refers to Panel 2H11-P600
2 2/P650-T/38 600V STA SVC FDR BRKR TRIP	1/P650-T/53 600V STA SVC FDR BRKR TRIP	Refers to Panel 2H11-P651
2 2/P650-P/14 PANEL 2H11-P654 SYSTEM TROUBLE	1/P650-P/52 PANEL 1H11-P654 SYSTEM TROUBLE	Refers to Panel 2H11-P654
2 2/P650-R/22 RHR SW PUMPS BRG TEMP HIGH	1/P650-R/24 RHR SW PUMPS BRG TEMP HIGH	Refers to Panel 2H11-P655
2 2/P650-T/11 MSR DIFF TEMP HIGH	1/P650-T/45 MSR DIFF TEMP HIGH	Refers to Panel 2H11-P656
2 2/P650-P/24 PANEL 2H11-P657 SYSTEM TROUBLE	1/P650-P/42 PANEL 1H11-P657 SYSTEM TROUBLE	Refers to Panel 2H11-P657

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2 2/P650-P/25 PANEL 2H11-P/00 SYSTEM TROUBLE	1/P650-P/23 PANEL 1H11-P700 SYSTEM TROUBLE	Refers to Panel 2H11-P700
2 2/P650-T/17 MSR HOTWELL TK A004A LEVEL HIGH	1/P650-T/01 MSR AB TANK LEVEL HIGH	Refers to Panel 2H21-P227A, 2H21-P217
2 2/P650-T/19 MSR HOTWELL TK A004C LEVEL HIGH	1/P650-T/12 MSR CD TANK LEVEL HIGH	Refers to Panel 2H21-P227C, 2H21-P217
2 2/P650-T/20 MSR HOTWELL TK A004D LEVEL HIGH	1/P650-T/12 MSR CD TANK LEVEL HIGH	Refers to Panel 2H21-P227D, 2H21-P217
2 2/P650-T/18 MSR HOTWELL TK A004B LEVEL HIGH	1/P650-T/01 MSR AB TANK LEVEL HIGH	Refers to Panel 2H21-P227B, 2H21-P217
2 2/P602-1/10 ECCS/RPS DIVISION I TROUBLE	1/P602-1/24 ECCS/RPS DIVISION I TROUBLE	Refers to Panels 2H11-P921, 923, 925, 927

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
** 3		
3 2/P650-P/50 CIRC WTR FLUME LEVEL LOW	1/P650-R/06 CIRC WTR FLUME LEVEL LOW	ABOVE ITS CONTROL
3 2/P650-T/47 INTK SCREEN OR LOW RIVER LEVEL ALARM	1/P650-P/03 INTK SCREEN OR LOW RIVER LEVEL ALARM	ABOVE ITS CONTROL Ref #25
3 2/P601-2/01 CORE SPRAY SYSTEM II ACTUATED	1/P601-3/15 CORE SPRAY SYSTEM II ACTUATED	ABOVE ITS CONTROLS
3 2/P601-2/02 CORE SPRAY PUMP B TRIP	1/P601-3/16 CORE SPRAY PUMP B TRIP	ABOVE ITS CONTROLS
3 2/P601-2/06 HPCI AUX OIL PUMP OVERLOAD	1/P601-3/08 HPCI AUX OIL PUMP OVERLOAD	ABOVE ITS CONTROLS
3 2/P601-2/07 CORE SPRAY SYS II LOGIC POWER FAILURE	1/P601-3/21 CORE SPRAY SYS II LOGIC POWER FAILURE	ABOVE ITS CONTROLS
3 2/P601-2/08 CS PUMP B OVL D / LOCKOUT RELAY TRIP	1/P601-3/22 CS PUMP B OVL D / LOCKOUT RELAY TRIP	ABOVE ITS CONTROLS
3 2/P601-2/10 HPCI TURBINE INLET DRAIN POT LEVEL HIGH	1/P601-3/07 HPCI TURBINE INLET DRAIN POT LEVEL HIGH	ABOVE ITS CONTROLS
3 2/P601-2/11 HPCI VALVES OVERLOAD	1/P601-3/13 HPCI VALVES OVERLOAD	ABOVE ITS CONTROLS
3 2/P601-2/12 HPCI TURBINE BRG OIL PRESS LOW	1/P601-3/14 HPCI TURBINE BRG OIL PRESS LOW	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P601-2/13 CORE SPRAY SYSTEM II VALVES OVERLOAD	1/P601-3/27 CORE SPRAY SYSTEM II VALVES OVERLOAD	ABOVE ITS CONTROLS
3 2/P601-2/14 CORE SPRAY B JOCKEY PUMP SYS WATER LEVEL LOW	1/P601-3/10 CORE SPRAY B JOCKEY PUMP SYS WATER LEVEL LOW	ABOVE ITS CONTROLS
3 2/P601-2/17 HPCI PUMP SUCT PRESS LOW	1/P601-3/19 HPCI PUMP SUCT PRESS LOW	ABOVE ITS CONTROLS
3 2/P601-2/18 HPCI TURBINE OIL CLR DISCH TEMP HIGH	1/P601-3/20 HPCI TURBINE OIL CLR DISCH TEMP HIGH	ABOVE ITS CONTROLS
3 2/P601-2/23 HPCI PUMP SUCT PRESS HIGH	1/P601-3/25 HPCI PUMP SUCT PRESS HIGH	ABOVE ITS CONTROLS
3 2/P601-2/24 HPCI OIL FILTER DIFF PRESS HIGH	1/P601-3/26 HPCI OIL FILTER DIFF PRESS HIGH	ABOVE ITS CONTROLS
3 2/P601-2/25 CORE SPRAY B DISCH PIPE PRESS HIGH	1/P601-3/04 CORE SPRAY B DISCH PIPE PRESS HIGH	ABOVE ITS CONTROLS
3 2/P601-2/29 HPCI BAROM CNDSR LEVEL HIGH	1/P601-3/31 HPCI BAROM CNDSR LEVEL HIGH	ABOVE ITS CONTROLS
3 2/P601-2/30 HPCI OIL TANK LEVEL LOW	1/P601-3/32 HPCI OIL TANK LEVEL LOW	ABOVE ITS CONTROLS
3 2/P601-2/31 CORE SPRAY IN TEST STATUS	1/P601-3/28 CORE SPRAY IN TEST STATUS	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P601-2/34 HPCI BAROM CNDSR PRESS HIGH	1/P601-3/01 HPCI BAROM CNDSR PRESS HIGH	ABOVE ITS CONTROLS
3 2/P601-2/35 HPCI BAROM CNDSR LEVEL LOW	1/P601-3/02 HPCI BAROM CNDSR LEVEL LOW	ABOVE ITS CONTROLS
3 2/P601-3/04 RHR IN TEST STATUS	1/P601-4/10 RHR IN TEST STATUS	ABOVE ITS CONTROLS
3 2/P601-3/10 RHR HX A/B CLG WATER DISCH TEMP HIGH	1/P601-4/25 RHR HX A/B CLG WATER DISCH TEMP HIGH	ABOVE ITS CONTROLS
3 2/P601-3/16 RHR HX A/B INLET WATER TEMP HIGH	1/P601-4/31 RHR HX A/B INLET WATER TEMP HIGH	ABOVE ITS CONTROLS
3 2/P601-3/27 RHR SERV WATER PUMP D TRIP	1/P601-4/13 RHR SERV WATER PUMP D TRIP	ABOVE ITS CONTROLS
3 2/P601-3/33 RHR SERV WATER PUMP D OVERLOAD	1/P601-4/19 RHR SERV WATER PUMP D OVERLOAD	ABOVE ITS CONTROLS
3 2/P601-3/34 RHR SYS DISCH & SHUTDOWN SUCT HDRS PRESS HIGH	1/P601-4/08 RHR SYS DISCH & SHUTDOWN SUCT HDRS PRESS HIGH	ABOVE ITS CONTROLS
3 2/P602-2/01 RX BLDG FLOOR DRAINS SUMP A LEAK HIGH	1/P602-4/01 RX BLDG FLOOR DRAINS SUMP A LEAK HIGH	ABOVE ITS CONTROLS
3 2/P602-2/02 DRYWELL FLOOR DRAINS SUMP LEVEL HIGH-HIGH	1/P602-4/02 DRYWELL FLOOR DRAINS SUMP LEVEL HIGH-HIGH	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P602-2/07 RX BLDG FLOOR DRAINS SUMP B LEAK HIGH	1/P602-4/07 RX BLDG FLOOR DRAINS SUMP B LEAK HIGH	ABOVE ITS CONTROLS
3 2/P602-2/08 DRYWELL FLOOR DRAINS SUMP LEAK HIGH	1/P602-4/08 DRYWELL FLOOR DRAINS SUMP LEAK HIGH	ABOVE ITS CONTROLS
3 2/P602-2/13 RX BLDG EQUIP DRAINS SUMP LEAK HIGH	1/P602-4/13 RX BLDG EQUIP DRAINS SUMP LEAK HIGH	ABOVE ITS CONTROLS
3 2/P602-2/14 DRYWELL EQUIP DRAINS SUMP LEVEL HIGH-HIGH	1/P602-4/14 DRYWELL EQUIP DRAINS SUMP LEVEL HIGH-HIGH	ABOVE ITS CONTROLS
3 2/P602-2/19 RX BLDG EQUIP DRAINS SUMP TEMP HIGH	1/P602-4/19 RX BLDG EQUIP DRAINS SUMP TEMP HIGH	ABOVE ITS CONTROLS
3 2/P602-2/20 DRYWELL EQUIP DRAINS SUMP LEAK HIGH	1/P602-4/20 DRYWELL EQUIP DRAINS SUMP LEAK HIGH	ABOVE ITS CONTROLS
3 2/P602-2/26 DRYWELL EQUIP DRAINS SUMP TEMP HIGH	1/P602-4/26 DRYWELL EQUIP DRAINS SUMP TEMP HIGH	ABOVE ITS CONTROLS
3 2/P602-3/30 TORUS LEVEL (RCIC) HIGH	1/P602-2/30 TORUS LEVEL (RCIC) HIGH	ABOVE ITS CONTROLS
3 2/P602-3/35 TORUS WATER LEVEL HIGH/LOW	1/P602-4/35 TORUS WATER LEVEL HIGH/LOW	ABOVE ITS CONTROLS
3 2/P602-4/06 AUTO BLOWDOWN TIMERS INITIATED	1/P602-3/06 AUTO BLOWDOWN TIMERS INITIATED	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P650-P/16 COND BSTR PMPS SUCTION PRESS LOW	1/P650-T/32 COND BOOSTER PUMPSUCT PRESS LOW	ABOVE ITS CONTROLS
3 2/P602-3/36 CST LEVEL (RCIC) LOW	1/P602-2/36 CST LEVEL (RCIC) LOW	ABOVE ITS CONTROLS (#176, 177, 178)
3 2/P602-4/18 AUTO BLOWDOWN RELAYS ENERGIZED	1/P602-3/18 AUTO BLOWDOWN RELAYS ENERGIZED	ABOVE ITS CONTROLS (#292)
3 2/P602-4/24 AUTO BLOWDOWN HIGH DRWL PRESS SEAL-IN	1/P602-3/24 AUTO BLOWDOWN HIGH DRWL PRESS SEAL-IN	ABOVE ITS CONTROLS (#292)
3 2/P602-2/27 RWCU FILTER INLET TEMP HIGH	1/PC02-4/27 RWCU FILTER INLET TEMP HIGH	BASICALLY ABOVE ITS CONTROL (#259)
3 2/P602-2/34 RWCU PUMP FLOW LOW	1/P602-4/34 RWCU PUMP FLOW LOW	BASICALLY ABOVE ITS CONTROL (#259)
3 2/P602-2/03 RWCU SYS CONDUCTIVITY HIGH	1/P602-4/03 RWCU SYS CONDUCTIVITY HIGH	BASICALLY ABOVE ITS CONTROL (REF #63)
3 2/P602-2/09 RWCU DISCH PRESS HIGH/LOW	1/P602-4/09 RWCU DISCH PRESS HIGH/LOW	BASICALLY ABOVE ITS CONTROLS (# 259)
3 2/P602-2/15 RWCU PUMP HIGH TEMP TRIP	1/P602-4/15 RWCU PUMP HIGH TEMP TRIP	BASICALLY ABOVE ITS CONTROLS (# 259)
3 2/P602-2/21 RWCU SYS LEAK	1/P602-4/21 RWCU SYS LEAK	BASICALLY ABOVE ITS CONTROLS (#259)

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P602-2/33 RWCU FILTER DEMIN FAILURE	1/P602-4/33 RWCU FILTER DEMIN FAILURE	BASICALLY ABOVE ITS CONTROLS (#259)
3 2/P602-4/17 AUTO BLOWDOWN CONTROL POWER FAILURE	1/P602-3/17 AUTO BLOWDOWN CONTROL POWER FAILURE	BASICALLY ABOVE ITS CONTROLS (#99, 100 & 103)
3 2/P602-4/11 SAFETY BLOWDOWN PRESSURE HIGH	1/P602-3/11 SAFETY/BLOWDOWN VALVE PRESS HIGH	BASICALLY ABOVE ITS CONTROLS (SRV'S)
3 2/P602-4/02 RCIC STEAM LINE DIFF PRESS HIGH	1/P602-3/02 RCIC STEAM LINE DIFF PRESS HIGH	GROUPED WITH LIKE ALARMS/ NOT ABOVE CONTROL
3 2/P602-3/01 DRIVE MOTOR B TRIP	1/P602-2/01 DRIVE MOTOR B TRIP	NOT ABOVE ITS CONTROL
3 2/P602-3/02 FLUID DRIVE B OIL TEMP HIGH	1/P602-2/08 FLUID DRIVE B OIL TEMP HIGH	NOT ABOVE ITS CONTROL
3 2/P602-3/03 GENERATOR E LOCKOUT	1/P602-2/03 GENERATOR B LOCKOUT	NOT ABOVE ITS CONTROL
3 2/P602-3/04 PUMP MOTOR B VIBRATION HIGH	1/P602-2/04 PUMP MOTOR B VIBRATION HIGH	NOT ABOVE ITS CONTROL
3 2/P602-3/06 PUMP MOTOR B OIL LEVEL HIGH	1/P602-2/10 PUMP MOTOR B OIL LEVEL HIGH/LOW	NOT ABOVE ITS CONTROL
3 2/P602-3/07 DRIVE MOTOR B DIFF CURRENT	1/P602-2/07 DRIVE MOTOR B DIFF CURRENT	NOT ABOVE ITS CONTROL
3 2/P602-3/08 FLUID DRIVE B OIL TEMP LOW	1/P602-2/02 FLUID DRIVE B OIL TEMP LOW	NOT ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P602-3/09 GENERATOR B AUX LOCKOUT	1/P602-2/09 GENERATOR B AUX LOCKOUT	NOT ABOVE ITS CONTROL
3 2/P602-4/04 RCIC TURBINE BRG OIL PRESS LOW	1/P602-3/04 RCIC TURBINE BRG OIL PRESS LOW	NOT ABOVE ITS CONTROL
3 2/P601-3/24 RHR LOOP A VALVES OVERLOAD	1/P601-4/03 RHR LOOP A VALVES OVERLOAD	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-3/11 ATWS RPT CHANNEL 2 IN TEST STATUS	1/P602-2/05 ATWS CHANNEL 2 IN TEST STATUS	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/12 PUMP MOTOR B OIL LEVEL LOW	1/P602-2/10 PUMP MOTOR B OIL LEVEL HIGH/LOW	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/13 DRIVE MOTOR B OVERLOAD	1/P602-2/13 DRIVE MOTOR B OVERLOAD	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/14 FLUID DRIVE B OIL PRESS LOW	1/P602-2/14 FLUID DRIVE B OIL PRESS LOW	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/15 GENERATOR B FIELD GROUND	1/P602-2/15 GENERATOR B FIELD GROUND	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/17 PUMP MOTOR A/B TEMP HIGH	1/P602-1/17 PUMP MOTOR A/B TEMP HIGH	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/19 DRIVE MOTOR B GROUND	1/P602-2/19 DRIVE MOTOR B GROUND	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/25 DRIVE MOTOR B INTERNAL AIR TEMP HIGH	1/P602-2/25 DRIVE MOTOR B INTERNAL AIR TEMP HIGH	NOT LOCATED ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P602-3/27 RECIRC LOOP B OUT OF SERVICE	1/P602-2/27 RECIRC LOOP B OUT OF SERVICE	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/28 PUMP B SEAL CLOSED COOLING WATER FLOW LOW	1/P602-2/28 PUMP B SEAL CLOSED COOLING WATER FLOW LOW	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/29 MG SET A/B BRG & OIL TEMP HIGH	1/P602-1/29 MG SET A/B BRG & OIL TEMP HIGH	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/31 MG SET B DC CONTROL POWER TRANSFER	1/P602-2/31 MG SET B DC CONTROL POWER TRANSFER	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/32 SPEED CONTROL B SIGNAL FAILURE	1/P602-2/32 SPEED CONTROL B SIGNAL FAILURE	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/33 START-UP SEQUENCE B INCOMPLETE	1/P602-2/33 START-UP SEQUENCE B INCOMPLETE	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/34 RECIRC B FLOW LIMIT	1/P602-2/34 RECIRC B FLOW LIMIT	NOT LOCATED ABOVE ITS CONTROL
3 2/P650-T/66 CNDSR CIRC WTR DIFF PRESS HIGH	1/P650-T/10 CNDSR CIRC WTR DIFF PRESS HIGH OR HW LEVEL LOW	NOT LOCATED ABOVE ITS CONTROL
3 2/P602-3/23 GEN & DRIVE MTR STATOR A/B TEMP HIGH	1/P602-1/23 GEN & DRIVE MTR STATOR A/B TEMP HIGH	NOT LOCATED ABOVE ITS CONTROL (# 10,26,8,24)
3 2/P602-3/26 FLUID DRIVE B SCOOP TUBE LOCK	1/P602-2/26 FLUID DRIVE B SCOOP TUBE LOCK	NOT LOCATED ABOVE ITS CONTROL (#126)
3 2/P602-4/01 RCIC TURBINE TRIP	1/P602-3/01 RCIC TURBINE TRIP	NOT LOCATED ABOVE ITS CONTROL (#179)

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P602-3/21 GENERATOR B INTERNAL AIR TEMP HIGH	1/P602-2/21 GENERATOR B INTERNAL AIR TEMP HIGH	NOT LOCATED ABOVE ITS CONTROL (#27)
3 2/P602-3/16 OUTER SEAL B LEAK DETECTION FLOW HIGH	1/P602-2/16 OUTER SEAL B LEAK DETECTION FLOW HIGH	NOT LOCATED ABOVE ITS CONTROL (#33)
3 2/P602-3/22 PUMP B SEAL STAGING FLOW HIGH/LOW	1/P602-2/22 PUMP B SEAL STAGING FLOW HIGH/LOW	NOT LOCATED ABOVE ITS CONTROL (#33)
3 2/P602-4/03 RCIC ISOL TIMER INITIATED	1/P602-3/03 RCIC ISOL TIMER INITIATED	NOT LOCATED ABOVE ITS CONTROL (#81)
3 2/P602-1/29 LOW LOW SET LOGIC B/D LOSS OF POWER	1/P602-2/29 LOW LOW SET LOGIC B/D LOSS OF POWER	NOT LOCATED ABOVE ITS CONTROL (SRV'S)
3 2/P602-1/35 LOW LOW SET LOGIC B/D ARMED	1/P602-2/35 LOW LOW SET LOGIC B/D ARMED	NOT LOCATED ABOVE ITS CONTROL (SRV'S)
3 2/P601-3/C3 RHR PUMP C TRIP	1/P601-4/16 RHR PUMP C TRIP	NOT LOCATED ABOVE ITS CONTROLS
3 2/P601-3/05 RHR SYSTEM I ACTUATED	1/P601-4/14 RHR SYSTEM I ACTUATED	NOT LOCATED ABOVE ITS CONTROLS
3 2/P601-3/06 RHR PUMP A TRIP	1/P601-4/15 RHR PUMP A TRIP	NOT LOCATED ABOVE ITS CONTROLS
3 2/P601-3/09 RHR PUMP C OVLDT / LOCKOUT RELAY TRIP	1/P601-4/22 RHR PUMP C OVLDT / LOCKOUT RELAY TRIP	NOT LOCATED ABOVE ITS CONTROLS
3 2/P601-3/11 RHR RELAY LOGIC A POWER FAILURE	1/P601-4/20 RHR RELAY LOGIC A POWER FAILURE	NOT LOCATED ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P601-3/12 RHR PUMP A OVLD / LOCKOUT RELAY TRIP	1/P601-4/21 RHR PUMP A OVLD / LOCKOUT RELAY TRIP	NOT LOCATED ABOVE ITS CONTROLS
3 2/P601-3/18 RHR LOOP A INJECT VALVES OVERLOAD	1/P601-4/32 RHR LOOP A INJECT VALVES OVERLOAD	NOT LOCATED ABOVE ITS CONTROLS
3 2/P601-3/30 RHR SERV WTR PUMP A TRIP	1/P601-4/27 RHR SERV WTR PUMP A TRIP	NOT LOCATED ABOVE ITS CONTROLS
3 2/P601-3/36 RHR SERV WTR PUMP A OVERLOAD	1/P601-4/33 RHR SERV WTR PUMP A OVERLOAD	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/07 RCIC ISOLATION SIGNAL LOGIC A	1/P602-3/07 RCIC ISOLATION SIGNAL LOGIC A	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/08 RCIC TURBINE INLET DRAIN POT LEVEL HIGH	1/P602-3/08 RCIC TURBINE INLET DRAIN POT LEVEL HIGH	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/09 RCIC VALVES MOTOR OVERLOAD	1/P602-3/09 RCIC VALVES MOTOR OVERLOAD	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/10 RCIC TURBINE COUPLING END BRG TEMP HIGH	1/P602-3/10 RCIC TURBINE COUPLING END BRG TEMP HIGH	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/13 RCIC ISOLATION SIGNAL LOGIC B	1/P602-3/13 RCIC ISOLATION SIGNAL LOGIC B	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/14 RCIC TURBINE EXH DIAPHRAGM PRESS HIGH	1/P602-3/14 RCIC TURBINE EXH DIAPHRAGM PRESS HIGH	NOT LOCATED ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P602-4/15 RCIC PUMP SUCT PRESS LOW	1/P602-3/15 RCIC PUMP SUCT PRESS LOW	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/16 RCIC TURBINE GOV END BRG TEMP HIGH	1/P602-3/16 RCIC TURBINE GOV END LRG TEMP HIGH	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/19 RCIC INVERTER K603 POWER FAILURE	1/P602-3/19 RCIC INVERTER K603 POWER FAILURE	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/20 RCIC TURB EXH PRESS HIGH	1/P602-3/20 RCIC TURB EXH PRESS HIGH	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/21 RCIC PUMP SUCT PRESS HIGH	1/P602-3/21 RCIC PUMP SUCT PRESS HIGH	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/22 RCIC PUMP DISCHARGE FLOW LOW	1/P602-3/22 RCIC PUMP DISCHARGE FLOW LOW	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/26 RCIC VAC BRKR VALVES NOT FULLY OPEN	1/P602-3/26 RCIC VAC BRKR VALVES NOT FULLY OPEN	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/27 RCIC BAROM CNDSR LEVEL HIGH	1/P602-3/27 RCIC BAROM CNDSR LEVEL HIGH	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/28 RCIC BAROM CNDSR PRESS HIGH	1/P602-3/28 RCIC BAROM CNDSR PRESS HIGH	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/30 RCIC SYSTEM HIGH VESSEL LEVEL TRIP	1/P602-2/24 RCIC SYSTEM HIGH VESSEL LEVEL TRIP	NOT LOCATED ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P602-4/31 RCIC LEAK DET LOGIC POWER FAILURE	1/P602-3/31 RCIC LEAK DET LOGIC POWER FAILURE	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/32 RCIC OIL FILTER DIFF PRESS HIGH	1/P602-3/32 RCIC OIL FILTER DIFF PRESS HIGH	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/33 RCIC BAROM CND SR LEVEL LOW	1/P602-3/33 RCIC BAROM CND SR LEVEL LOW	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/34 RCIC TURBINE IN TEST STATUS	1/P602-3/34 RCIC TURBINE IN TEST STATUS	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-4/36 RCIC ISOLATION VLV F007/F008 NOT FULLY OPEN	1/P602-3/35 RCIC ISOLATION VLV F007/F008 NOT FULLY OPEN	NOT LOCATED ABOVE ITS CONTROLS
3 2/P602-1/23 LOW LOW SET LOGIC A/C ARMED	1/P602-2/23 LOW LOW SET LOGIC A/C ARMED	NOT LOCATED ABOVE ITS CONTROLS (SRV'S)
3 2/P602-1/17 LOW LOW SET LOGIC A/C LOSS OF POWER	1/P602-2/17 LOW LOW SET LOGIC A/C LOSS OF POWER	NOT LOCATED ABOVE ITS CONTROLS, 2H11-P602 #278
3 2/P602-4/29 AUTO BLOWDOWN IN TEST STATUS	1/P602-3/29 AUTO BLOWDOWN IN TEST STATUS	Refers to ESF RELAY PANEL
3 2/P602-4/23 AUTO BLOWDOWN TEST PROCEDURE FAULTY	1/P602-3/23 AUTO BLOWDOWN TEST PROCEDURE FAULTY	Refers to ESF RELAY PANEL/GROUPED BY FUNCTION
3 2/P601-4/24 TURBINE BLDG RADIATION HIGH	1/P601-2/16 TURBINE BLDG RADIATION HIGH	Refers to Panel 2D11-P600
3 2/P601-4/12 REFUELING FLOOR AREA RADIATION HIGH	1/P601-2/10 REFUELING FLOOR AREA RADIATION HIGH	Refers to Panel 2D11-P600, 2H11-P600

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P601-4/26 AREA RADIATION MONITORS DOWNSCALE	1/P601-2/01 AREA RADIATION MONITORS DOWNSCALE	Refers to Panel 2D21-P600
3 2/P601-4/06 RX BLDG RADIATION HIGH	1/P601-2/04 RX BLDG RADIATION HIGH	Refers to Panel 2D21-P600, 2H11-P600
3 2/P601-4/17 WGT BLDG RADIATION HIGH	1/P601-2/33 WGT BLDG RADIATION HIGH	Refers to Panel 2D21-P600, 2H11-P600
3 2/P601-4/30 RADWASTE BLDG RADIATION HIGH	1/P601-2/03 RADWASTE BLDG RADIATION HIGH	Refers to Panel 2D21-P600, 2H11-P645
3 2/P602-4/12 AUTO BLOWDOWN CS OR RHR PRESS PERMISSIVE	1/P602-3/12 AUTO BLOWDOWN CS OR RHR PRESS PERMISSIVE	Refers to Panel 2H11-P601 (CS OR RHR SYSTEM)
3 2/P602-4/05 ADS LOW WATER LVL ACTU TIMERS INITIATED	1/P602-3/30 ADS LOW WATER LVL ACTU TIMERS INITIATED	Refers to Panel 2H11-P603
3 2/P601-4/09 LEAK DET A LOGIC IN TEST STATUS	1/P601-2/13 LEAK DET A LOGIC IN TEST STATUS	Refers to Panel 2H11-P614
3 2/P601-4/15 LEAK DET B LOGIC IN TEST STATUS	1/P601-2/19 LEAK DET B LOGIC IN TEST STATUS	Refers to Panel 2H11-P614
3 2/P601-4/21 LEAK DET DIFF TEMP HIGH	1/P601-2/25 LEAK DET DIFF TEMP HIGH	Refers to Panel 2H11-P614
3 2/P601-4/27 LEAK DET AMBIENT TEMP HIGH	1/P601-2/31 LEAK DET AMBIENT TEMP HIGH	Refers to Panel 2H11-P614

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
3 2/P601-4/34 RX BLDG VENT EXHAUST RADIATION HIGH		Refers to Panel 2H11-P645
3 2/P650-T/57 CIRC WTR FLUME VLVS POSITION INCORRECT	1/P650-P/13 CIRC WTR FLUME VLVS POSITION INCORRECT	Refers to Panel 2H11-P700
3 2/P650-R/20 POLISHING DEMINERALIZER ALARM	1/P650-T/22 POLISHING DEMINERALIZER ALARM	Refers to Panel 2N21-P001A
3 2/P602-4/25 RCIC LOGIC OR TORUS LVL LOGIC POWER FAILURE	1/P602-3/25 RCIC LOGIC BUS POWER FAILURE	Refers to Panels 2H21-P621, 2H11-P623

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
** 4 4 2/P650-P/60 CIRC WTR FLUME LEVEL HIGH		ABOVE ITS CONTROL
4 2/P651-H/28 MAIN SEAL OIL PUMP OVERLOAD	1/P650-T/20 MAIN SEAL OIL PUMP OVERLOAD	ABOVE ITS CONTROL
4 2/P654-V/80 TORUS WATER LEVEL HIGH/LOW	1/P602-4/35 TORUS WATER LEVEL HIGH/LOW	ABOVE ITS CONTROL
4 2/P650-P/33 DRYWELL/TORUS PRESS HIGH	1/P602-2/20 DRYWELL/TORUS PRESS HIGH	ABOVE ITS CONTROLS (#191)
4 2/P603-1/35 RPT SYS A OUT OF SCV OR LOSS OF CNTL PWR	1/P602-1/12 RPT SYS A OUT OF SVC OR LOSS OF CNTL PWR	NOT LOCATED ABOVE ITS CONTROL
4 2/P603-1/43 RPT SYSTEM B TRIP	1/P602-2/06 RPT SYSTEM B TRIP	NOT LOCATED ABOVE ITS CONTROL
4 2/P603-1/44 RPT SYS B OUT OF SVC OR LOSS OF CNTL POWER	1/P602-2/12 RPT SYS B OUT OF SVC OR LOSS OF CNTL PWR	NOT LOCATED ABOVE ITS CONTROL
4 2/P603-1/22 SAFETY/BLOWDOWN VALVE LEAKING	1/P602-3/05 SAFETY/BLOWDOWN VALVE LEAKING	NOT LOCATED ABOVE ITS CONTROL (2H11-P602)
4 2/P603-1/34 RPT SYSTEM A TRIP	1/P602-1/06 RPT SYSTEM A TRIP	NOT LOCATED ABOVE ITS CONTROL (2H11-P602)
4 2/P650-P/43 FUEL POOL FD SYSTEM TROUBLE	1/P654-V/36 FUEL POOL F/D SYSTEM TROUBLE	Refers to Panel 2G41-P001

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
4 2/P602-2/24 FISSION PRODUCT DOWNSCALE	1/P601-2/20 FISSION PRODUCT RADIATION DOWNSCALE	Refers to Panel 2H11-P645
4 2/P602-2/06 FISSION PRODUCT PARTIC RADN HIGH/INOP	1/P601-2/02 FISSION PRODUCT PARTICULATE RADIATION HIGH	Refers to Panel 2H11-P645, 2H11-P604
4 2/P602-2/12 FISSION PRODUCT IODINE RADN HIGH/INOP	1/P601-2/08 FISSION PRODUCT IODINE RADIATION HIGH	Refers to Panel 2H11-P645, 2H11-P604
4 2/P602-2/18 FISSION PRODUCT GAS HIGH/INOP	1/P601-2/14 FISSION PRODUCT GAS RADIATION HIGH	Refers to Panel 2H11-P645, 2H11-P604
4 2/P602-2/30 FISSION PRODUCT FLOW HIGH/LOW	1/P601-2/26 FISSION PRODUCT FLOW HIGH/LOW	Refers to Panel 2H11-P700

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
** 5 5 2/P603-1/23 REACTOR LEVEL CONTROL VALVE LOCKED	1/P603-1/16 FEEDWATER STARTUP VALVES LOCKED UP	ABOVE ITS CONTROL
5 2/P650-P/51 3RD STGH SJAE B STEAM FLOW LOW	1/P600-N/15 3RD STG SJAE STEAM FLOW A/B LOW	ABOVE ITS CONTROL
5 2/P650-P/52 SJAE AUX DRN TK A007B LEVEL HIGH		ABOVE ITS CONTROL
5 2/P650-R/16 RFPT OIL CONDITIONER TROUBLE		ABOVE ITS CONTROL
5 2/P650-R/19 RFPT LOOP SEAL LOST		ABOVE ITS CONTROL
5 2/P650-R/27 RFPT 2A HYD OIL PRESS LOW	1/P650-R/08 RFPT 1A BRG OIL PRESS LOW	ABOVE ITS CONTROL
5 2/P650-R/28 RFPT 2B HYD OIL PRESS LOW	1/P650-R/11 RFPT 1B BRG OIL PRESS LOW	ABOVE ITS CONTROL
5 2/P650-R/33 RFPT 2B BRG TEMP HIGH	1/P650-R/15 RFPT 1A/1B BRG TEMP HIGH	ABOVE ITS CONTROL
5 2/P650-T/01 TURBINE LOW VACUUM TRIP	1/P650-T/48 TURBINE VACUUM LOW	ABOVE ITS CONTROL
5 2/P650-T/09 T-BRG WEAR DET & LOW BRG OIL PRESS TRIP		ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
5 2/P650-T/12 RFP/COND BRG METAL TEMP HIGH		ABOVE ITS CONTROL
5 2/P650-T/16 STEAM SEAL PRESS HIGH		ABOVE ITS CONTROL
5 2/P650-T/34 MSR HOTWELL AND DRAIN TANK TROUBLE		ABOVE ITS CONTROL
5 2/P650-T/40 TGOP RUNNING	1/P650-T/62 TGOP START FAILURE	ABOVE ITS CONTROL
5 2/P651-E/02 MAIN BATTERY 2A FUSE TROUBLE		ABOVE ITS CONTROL
5 2/P651-E/04 MAIN BATTERY 2B FUSE TROUBLE		ABOVE ITS CONTROL
5 2/P651-E/11 MCC 2E-B NORMAL FDDR BRKR TRIPPED	1/P651-E/34 MCC 1E-B NORMAL FDR BRKR TRIPPED	ABOVE ITS CONTROL
5 2/P651-E/28 MCC 2E-A ALT FDR BRKR TRIPPED	1/P651-E/24 MCC 1E-A ALT FDR BRKR TRIPPED	ABOVE ITS CONTROL
5 2/P651-E/30 24/48V BATT CHGR MALFUNCTION	1/P651-E/38 24/48V BATT CHGR MALFUNCTION	ABOVE ITS CONTROL
5 2/P651-E/33 240V VITAL AC BATT VOLTS LOW	1/P651-E/45 240V VITAL AC BATT VOLTS LOWS	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
5 2/P651-E/36 4160V BUS 2A UNDERVOLTAGE	1/P651-E/06 4160V BUS 1A UNDERVOLTAGE	ABOVE ITS CONTROL
5 2/P651-E/37 4160V BUS 2B UNDERVOLTAGE	1/P651-E/07 4160V BUS 1B UNDERVOLTAGE	ABOVE ITS CONTROL
5 2/P651-E/38 4160V BUS 2C UNDERVOLTAGE	1/P651-E/08 4160V BUS 1C UNDERVOLTAGE	ABOVE ITS CONTROL
5 2/P651-E/39 4160V BUS 2D UNDERVOLTAGE	1/P651-E/09 4160V BUS 1D UNDERVOLTAGE	ABOVE ITS CONTROL
5 2/P651-E/40 600V BUS 2A UNDERVOLTAGE	1/P651-E/01 600V BUS 1A UNDERVOLTAGE	ABOVE ITS CONTROL
5 2/P651-E/41 600V BUS 2AA UNDERVOLTAGE	1/P651-E/02 600V BUS 1AA UNDERVOLTAGE	ABOVE ITS CONTROL
5 2/P651-E/42 600V BUS 2B UNDERVOLTAGE	1/P651-E/12 600V BUS 1B UNDERVOLTAGE	ABOVE ITS CONTROL
5 2/P651-E/47 600V BUS 2BB UNDERVOLTAGE	1/P651-E/13 600V BUS 1BB UNDERVOLTAGE	ABOVE ITS CONTROL
5 2/P651-E/49 MCC 2E-A NORMAL FDR BRKR TRIPPED	1/P651-E/23 MCC 1E-A NORMAL FDR BRKR TRIPPED	ABOVE ITS CONTROL
5 2/P651-E/64 UNIT AUX XFMR 2A FAULT PRESSURE		ABOVE ITS CONTROL
5 2/P651-E/65 UNIT AUX XFMR 2B FAULT PRESSURE		ABOVE ITS CONTROL
5 2/P651-E/66 MCC 2E-B ALT FDR BRKR TRIPPED	1/P651-E/35 MCC 1E-B ALT FDR BRKR TRIPPED	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
5 2/P654-V/20 TORUS WATER TEMP HIGH		ABOVE ITS CONTROL
5 2/P654-V/26 TURB BLDG VENT SPLY FLTR D001 DIFF PRESS HIGH	1/P601-1/04 TURBINE BLDG VENT FLTR INTK RADIATION HIGH	ABOVE ITS CONTROL
5 2/P654-V/27 TURB BLDG VENT FLTRS D004/D005 TEMP HIGH		ABOVE ITS CONTROL
5 2/P654-V/36 DRWL PNEU AREA OXYGEN LEVEL LOW		ABOVE ITS CONTROL
5 2/P654-V/44 TURB BLDG VENT SUPPLY FAN FLOW LOW		ABOVE ITS CONTROL
5 2/P654-V/56 DRWL CLG INLET 2P64-F045 OVERLOAD		ABOVE ITS CONTROL
5 2/P654-V/57 DRWL CLG OUTLET 2P64-F047 OVERLOAD		ABOVE ITS CONTROL
5 2/P654-V/59 TURB BLDG VENT EXHAUST FAN FLOW LOW		ABOVE ITS CONTROL
5 2/P654-V/65 DRYWELL PRESS HIGH	1/P602-2/20 DRYWELL/TORUS PRESS HIGH	ABOVE ITS CONTROL
5 2/P654-V/66 DRYWELL TEMP HIGH		ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
5 2/P654-V/70 DRYWELL COOLING UNIT B010A AIR DISCH TEMP HIGH		ABOVE ITS CONTROL
5 2/P654-V/78 SBGT FLTR B HI-HI TEMP TRIP OR FAN/HTR S/D		ABOVE ITS CONTROL
5 2/P654-V/85 DRYWELL COOLING UNIT B010B AIR DISCH TEMP HIGH		ABOVE ITS CONTROL
5 2/P651-E/32 125V CLG TWR BATT LOW VOLT/ DC OFF/CHGR MALF	1/P631-E/52 125V CLG TWR BATT CHGR MALFUNCTION	ABOVE ITS CONTROL P651-E/51
5 2/P601-2/19 CORE PLATE TOP TO SPRAY HDR B DIFF PRESS HIGH	1/P601-3/33 SPRAY HEADER B FAILURE IF ABOVE 900 PSIG	ABOVE ITS CONTROLS
5 2/P601-3/13 RHR CROSSTIE VALVE 2E11-F010 OPEN	1/P601-3/11 RHR CROSSTIE VALVE E11-F010 OPEN	ABOVE ITS CONTROLS
5 2/P601-4/32 JOCKEY PUMP SYS B DISCH PRESS LOW	1/P601-3/10 CORE SPRAY B JOCKEY PUMP SYS WATER LEVEL LOW	ABOVE ITS CONTROLS
5 2/P601-4/33 JOCKEY PUMP SYS A DISCH PRESS LOW	1/P601-4/24 CORE SPRAY A JOCKEY PUMP SYS WATER LEVEL LOW	ABOVE ITS CONTROLS
5 2/P602-1/18 PUMP MOTOR A WINDING COOLING WATER FLOW LOW		ABOVE ITS CONTROLS
5 2/P602-1/24 RECIRC PUMP A COOLER LEAK OR COND BUILDUP		ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
5 2/P602-1/36 DRYWELL FLOOR DRAIN SUMP FLOW HIGH	1/P602-4/02 DRYWELL FLOOR DRAINS SUMP LEVEL HIGH-HIGH	ABOVE ITS CONTROLS
5 2/P650-P/21 COND XFER PMP C001B PRESS LOW		ABOVE ITS CONTROLS
5 2/P650-P/22 MAIN CONDENSER HOTWELL LEVEL HIGH		ABOVE ITS CONTROLS
5 2/P650-P/29 PSW INTK STRUCT WATER LEVEL LOW		ABOVE ITS CONTROLS
5 2/P650-P/31 3RD STG SJAE A STEAM FLOW HIGH		ABOVE ITS CONTROLS
5 2/P650-P/32 3RD STG SJAE A STEAM FLOW LOW		ABOVE ITS CONTROLS
5 2/P650-P/39 RBCCW PUMPS DISCH PRESS LOW		ABOVE ITS CONTROLS
5 2/P650-P/41 3RD STG SJAE B STEAM FLOW HIGH		ABOVE ITS CONTROLS
5 2/P650-P/42 SJAE AUX DRN TK A007A LEVEL HIGH		ABOVE ITS CONTROLS
5 2/P650-P/12 MAIN CONDENSER HOTWELL LEVEL LOW		BASICALLY ABOVE ITS CONTROL #100

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
5 2/P650-P/13 CONDENSATE PUMP LOW LEVEL TRIP		BASICALLY ABOVE ITS CONTROL #201
5 2/P602-3/10 DRYWELL PRESS HIGH	1/P602-2/20 DRYWELL/TORUS PRESS HIGH	BASICALLY ABOVE ITS CONTROL (# 49)
5 2/P650-P/01 CST LEVEL HIGH		BASICALLY ABOVE ITS CONTROLS
5 2/P602-3/20 OIL MIST ELIMINATOR B DIFF PRESS HIGH		DEL FRM UNIT 1 PER 88-94, UNIQUE
5 2/P602-1/20 OIL MIST ELIMINATOR A DIFF PRESS HIGH		DEL UNIT 1 PER DCR 88-94, UNIQUE
5 2/P650-P/11 COND XFER PMP C001A PRESS LOW		NOT ABOVE ITS CONTROL #116, #152B
5 2/P650-P/04 DRYWELL/TORUS RCDR R627 TEMP HIGH		NOT ABOVE ITS CONTROL (#203)
5 2/P602-3/18 PUMP MOTOR B WINDING COOLING WATER FLOW LOW		NOT LOCATED ABOVE ITS CONTROL
5 2/P602-3/24 RECIRC PUMP B COOLER LEAK OR COND BUILDUP		NOT LOCATED ABOVE ITS CONTROL
5 2/P650-T/63 CONDENSER ROOM FLOODING TEST STATUS		NOT LOCATED ABOVE ITS CONTROL #80, 81

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
5 2/P603-1/45 DRWL FLOOR DRAIN PUMPS C001A-B HI RADN PMP TRIP		NOT LOCATED ABOVE ITS CONTROL (2H11-P602)
5 2/P603-1/54 DRWL EQUIP DRAIN PUMPS C006A-B HI RADN PMP TRIP		NOT LOCATED ABOVE ITS CONTROL (2H11-P602)
5 2/P601-3/17 HPCI ISOLATION VLV F002/F003 NOT FULLY OPEN	1/P601-2/07 HPCI ISOL VLV F002/F003 NOT FULLY OPEN	NOT LOCATED ABOVE ITS CONTROLS
5 2/P601-3/35 2B21-R623 A/B IN HIGH SPEED MODE	1/P657-D/12	NOT LOCATED ABOVE ITS CONTROLS REF:#75
5 2/P650-P/08 OIL IN CONTROL BUILDING SUMP C001		Refers to 2H21-P254
5 2/P603-1/49 REMOTE SHUTDOWN TRANSFER SWITCH IN EMERG POS	1/P603-1/34 RMT S/D XFER SW PNL 1C82-P001 IN EMERG POS	Refers to Panel 2C82-P001
5 2/P650-P/02 MAIN TURB OIL CONDITIONER TROUBLE		Refers to Panel 2H11-656
5 2/P601-1/20 RX BLDG POT CONTAM AREA RADIATION HI-HI	1/P601-1/26 RX BLDG POT CONTAM AREA VENT RADN HI-HI	Refers to Panel 2H11-P600
5 2/P601-1/12 RADWASTE BLDG VENT FLTR INTK RADIATION HIGH	1/P650-P/53 RADWASTE BLDG VENT SYSTEM TROUBLE	Refers to Panel 2H11-P606
5 2/P601-1/18 RADWASTE BLDG VENT FLTR INTK RADIATION DNSC	1/P650-P/53 RADWASTE BLDG VENT SYSTEM TROUBLE	Refers to Panel 2H11-P606

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
5 2/P601-1/24 RADWASTE BLDG VENT FLTR DISCH RADIATION HIGH	1/P601-1/32 RX BLDG VENT FLTR DISCH RADIATION HIGH	Refers to Panel 2H11-P606
5 2/P601-1/30 RADWASTE BLDG VENT FLTR DISCH RADIATION DNSC	1/P650-P/53 RADWASTE BLDG VENT SYSTEM TROUBLE	Refers to Panel 2H11-P606
5 2/P601-3/29 RX BLDG VENT EXHAUST RADIATION HI-HI	1/P603-2/16 RX BLDG STACK RADN MON HIGH - HIGH	Refers to Panel 2H11-P645, 2D11-P601
5 2/P602-2/36 CONTAINMENT RADIATION HIGH/INOP		Refers to Panel 2H11-P645, P657, P654 & P604
5 2/P650-T/43 CAS BLDG FEEDER TRIPPED		Refers to Panel 2H11-P651
5 2/P651-H/27 PSW HIGH DIFF PRESS TEST STATUS		Refers to Panel 2H11-P652
5 2/P650-P/55 SEC SYSTEM CLR 4A OR 4B FLOW LOW		Refers to Panel 2H11-P654
5 2/P650-P/34 SEC SYSTEM AUTO INITIATION SIGNAL PRESENT		Refers to Panel 2H11-P654, P657, P602, P601
5 2/P650-P/35 SEC SYSTEM CLR 5A OR 5B FLOW LOW		Refers to Panel 2H11-P654, P657, P602, P601
5 2/P650-P/44 SEC SYSTEM CLR 1A OR 1B FLOW LOW		Refers to Panel 2H11-P654, P657, P602, P601

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
5 2/P650-P/45 SEC SYSTEM CLR 2A OR 2B FLOW LOW		Refers to Panel 2H11-P654, P657, P602, P601
5 2/P650-T/35 HEATER TROUBLE ALARM		Refers to Panel 2H11-P656
5 2/P601-4/35 MAIN STACK GAMMA RADIATION HIGH		Refers to Panel 2H11-P657
5 2/P650-P/54 SEC SYSTEM CLR 3A OR 3B FLOW LOW		Refers to Panel 2H11-P700
5 2/P650-P/28 OIL IN TURBINE BUILDING FLOOR DRAIN SUMP	1/P650-T/54 TURB BLDG SUMP PUMP ALARM	Refers to Panel 2H21-P271
5 2/P650-P/09 OIL IN CONTROL BUILDING SUMP C003		Refers to Panel 2H21-P272
5 2/P650-P/46 RB VENT EFFL ANY COLLECTOR RADN LEVEL MAX		Refers to Panel For Post Accident Monitoring
5 2/P650-P/56 RB VENT EFFL ALL COLLECTORS RADN LEVEL MAX		Refers to Panel For Post Accident Monitoring
5 2/P650-P/23 2T48-R601A/B IN HIGH SPEED MODE		Refers to Panels 2H11-P657, 2H11-P654, 2H11-P600
5 2/P654-V/38 TRANSFER CANAL SEAL ASSEMBLY LEVEL HIGH		Refers to R/F floor

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
5 2/P603-2/49 ROD DISPLAY TEMP HIGH		Refers to the back of Panel 2H11-P603
5 2/P601-4/23 TIP MACHINE AREA RADIATION HIGH		UNIQUE TO UNIT 2
5 2/P601-4/29 MACHINE SHOP RADIATION HIGH		UNIQUE TO UNIT 2
5 2/P602-2/04 MSIV LEAKAGE FLOW HIGH		UNIQUE TO UNIT 2
5 2/P602-2/05 MAIN STEAM LINE OUTBOARD PRESS HIGH		UNIQUE TO UNIT 2
5 2/P602-2/10 MSIV SEAL SYS DIL AIR INBD FLOW LOW		UNIQUE TO UNIT 2
5 2/P602-2/11 MSIV SEAL SYS DIL AIR OUTBD FLOW LOW		UNIQUE TO UNIT 2
5 2/P602-2/16 MSIV SEAL SYS INBOARD LOGIC PWR FAILURE		UNIQUE TO UNIT 2
5 2/P602-2/17 MSIV SEAL SYS OUTBOARD LOGIC PWR FAILURE		UNIQUE TO UNIT 2
5 2/P602-2/22 MSIV SEAL SYS INBOARD BLOWER OVERLOAD		UNIQUE TO UNIT 2

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
5 2/P602-2/23 MSIV SEAL SYS OUTBOARD BLOWER OVERLOAD		UNIQUE TO UNIT 2
5 2/P602-2/28 MSIV SEAL SYS INBOARD VALVE OVERLOAD		UNIQUE TO UNIT 2
5 2/P602-2/29 MSIV SEAL SYS OUTBOARD VALVE OVERLOAD		UNIQUE TO UNIT 2
5 2/P602-2/25 MSIV SEAL SYS INBOARD HEATER OVERLOAD		UNIQUE TO UNIT 2
5 2/P603-2/25 TURB BLDG MSL CHANNEL A1/A2 LEAK		UNIQUE TO UNIT 2
5 2/P603-2/26 TURB BLDG MSL CHANNEL B1/B2 LEAK		UNIQUE TO UNIT 2
5 2/P650-P/03 LOOSE PARTS MONITORING SYS TROUBLE		UNIQUE TO UNIT 2
F 2/P650-P/18 HYDROGEN RECOMB FDR BRKR TRIP		UNIQUE TO UNIT 2
5 2/P650-P/19 HYDROGEN RECOMB SYSTEM TROUBLE		UNIQUE TO UNIT 2
5 2/P651-E/62 RB & RW BLDG CHILLER A/B BRKR TRIPPED		UNIQUE TO UNIT 2

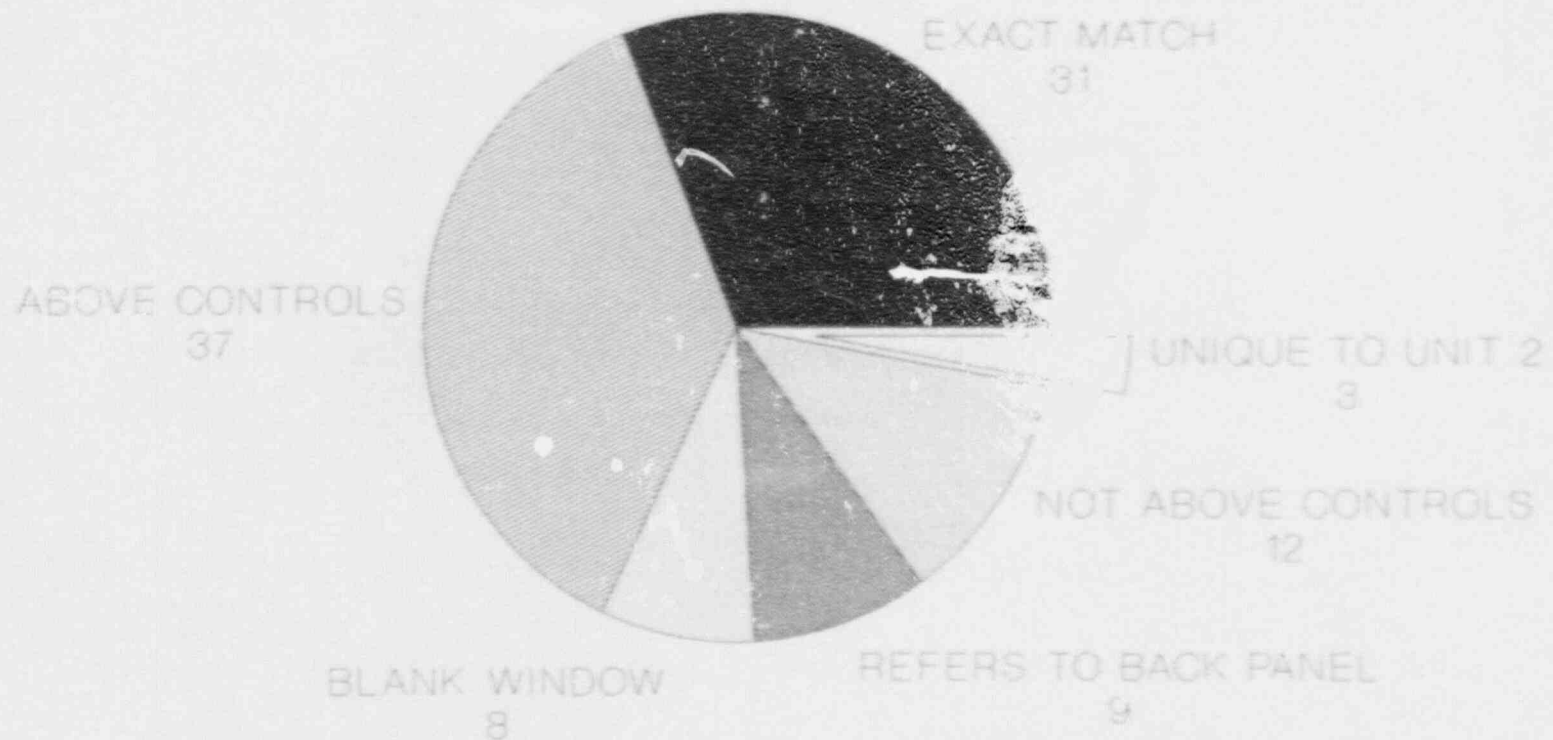
UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
5 2/P602-2/25 RADWASTE CONTROLLER 1 TROUBLE		UNIT 2 HAS DIFFERENT SYS, UNIQUE
5 2/P602-2/31 RADWASTE CONTROLLER 2 TROUBLE		UNIT 2 HAS DIFFERENT SYS, UNIQUE
5 2/P602-2/32 RADWASTE CONTROLLER 3 TROUBLE		UNIT 2 HAS DIFFERENT SYS, UNIQUE

ATTACHMENT 3

PLANT HATCH - UNIT 2
NRC DOCKET 50-366
OPERATING LICENSE NPF-5
ANNUNCIATORS WITH DIFFERENT
LOCATIONS BETWEEN UNIT 1 AND UNIT 2

PLANT HATCH ANNUNCIATORS ON PANELS
P601, P602, P603, P650, P651, P654



PERCENTAGE OF 744 WINDOWS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P601-1/12 RADWASTE BLDG VENT FLTR INTK RADIATION HIGH	1/P650-P/53 RADWASTE BLDG VENT SYSTEM TROUBLE	Refers to Panel 2H11-P606
2/P601-1/18 RADWASTE BLDG VENT FLTR INTK RADIATION DNSC	1/P650-P/53 RADWASTE BLDG VENT SYSTEM TROUBLE	Refers to Panel 2H11-P606
2/P601-1/20 RX BLDG POT CONTAM AREA RADIATION HI-HI	1/P601-1/26 RX BLDG POT CONTAM AREA VENT RADN HI-HI	Refers to Panel 2H11-P600
2/P601-1/21 PRETREATMENT OFF GAS RADIATION HI-HI	1/P601-1/22 PRETREATMENT OFF GAS RADIATION HI-HI	Refers to Panel 2H11-P600
2/P601-1/24 RADWASTE BLDG VENT FLTR DISCH RADIATION HIGH	1/P601-1/32 RX BLDG VENT FLTR DISCH RADIATION HIGH	Refers to Panel 2H11-P606
2/P601-1/26 RX BLDG POT CONTAM AREA RADIATION HIGH	1/P601-1/20 RX BLDG POT CONTAM AREA RADIATION HIGH	Refers to Panel 2H11-P600
2/P601-1/30 RADWASTE BLDG VENT FLTR DISCH RADIATION DNSC	1/P650-P/53 RADWASTE BLDG VENT SYSTEM TROUBLE	Refers to Panel 2H11-P606
2/P601-1/33 RX BLDG VT MON HIGH/LOW FLOW DOWNSCALE/INOP	1/P601-1/33 RX BLDG VENT SAMPLE FLOW HIGH/LOW	SAME ALARM - SAME LOCATION
2/P601-2/01 CORE SPRAY SYSTEM II ACTUATED	1/P601-3/15 CORE SPRAY SYSTEM II ACTUATED	ABOVE ITS CONTROLS
2/P601-2/02 CORE SPRAY PUMP B TRIP	1/P601-3/16 CORE SPRAY PUMP B TRIP	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P601-2/03 HPCI TURBINE TRIP	1/P601-2/11 HPCI TURBINE TRIP	ABOVE ITS CONTROLS
2/P601-2/04 HPCI STEAM LINE DIFF PRESS HIGH	1/P601-2/12 HPCI STEAM LINE DIFF PRESS HIGH	ABOVE ITS CONTROLS
2/P601-2/05 HPCI ISOL TIMER INITIATED	1/P601-2/18 HPCI ISOL TIMER INITIATED	ABOVE ITS CONTROLS
2/P601-2/06 HPCI AUX OIL PUMP OVERLOAD	1/P601-3/08 HPCI AUX OIL PUMP OVERLOAD	ABOVE ITS CONTROLS
2/P601-2/07 CORE SPRAY SYS II LOGIC POWER FAILURE	1/P601-3/21 CORE SPRAY SYS II LOGIC POWER FAILURE	ABOVE ITS CONTROLS
2/P601-2/08 CS PUMP B OVLD / LOCKOUT RELAY TRIP	1/P601-3/22 CS PUMP B OVLD / LOCKOUT RELAY TRIP	ABOVE ITS CONTROLS
2/P601-2/09 HPCI TURBINE TRIP SOLENOID ENERGIZED	1/P601-2/17 HPCI TURBINE TRIP SOLENOID ENERGIZED	ABOVE ITS CONTROLS
2/P601-2/10 HPCI TURBINE INLET DRAIN POT LEVEL HIGH	1/P601-3/07 HPCI TURBINE INLET DRAIN POT LEVEL HIGH	ABOVE ITS CONTROLS
2/P601-2/11 HPCI VALVES OVERLOAD	1/P601-3/13 HPCI VALVES OVERLOAD	ABOVE ITS CONTROLS
2/P601-2/12 HPCI TURBINE BRG OIL PRESS LOW	1/P601-3/14 HPCI TURBINE BRG OIL PRESS LOW	ABOVE ITS CONTROLS
2/P601-2/13 CORE SPRAY SYSTEM II VALVES OVERLOAD	1/P601-3/27 CORE SPRAY SYSTEM II VALVES OVERLOAD	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P601-2/14 CORE SPRAY B JOCKEY PUMP SYS WATER LEVEL LOW	1/P601-3/10 CORE SPRAY B JOCKEY PUMP SYS WATER LEVEL LOW	ABOVE ITS CONTROLS
2/P601-2/15 HPCI ISOLATION TRIP LOGIC A INITIATED	1/P601-2/23 HPCI ISOLATION TRIP LOGIC A INITIATED	ABOVE ITS CONTROLS
2/P601-2/16 HPCI TURBINE EXH DIAPHRAGM PRESS HIGH	1/P601-2/24 HPCI TURBINE EXH DIAPHRAGM PRESS HIGH	ABOVE ITS CONTROLS
2/P601-2/17 HPCI PUMP SUCT PRESS LOW	1/P601-3/19 HPCI PUMP SUCT PRESS LOW	ABOVE ITS CONTROLS
2/P601-2/18 HPCI TURBINE OIL CLR DISCH TEMP HIGH	1/P601-3/20 HPCI TURBINE OIL CLR DISCH TEMP HIGH	ABOVE ITS CONTROLS
2/P601-2/19 CORE PLATE TOP TO SPRAY HDR B DIFF PRESS HIGH	1/P601-3/33 SPRAY HEADER B FAILURE IF ABOVE 900 PSIG	ABOVE ITS CONTROLS
2/P601-2/20 HPCI SYSTEM INVERTER CIRCUIT FAILURE	1/P601-2/28 HPCI SYSTEM INVERTER CIRCUIT FAILURE	ABOVE ITS CONTROLS
2/P601-2/21 HPCI ISOLATION TRIP LOGIC B INITIATED	1/P601-2/29 HPCI ISOLATION TRIP LOGIC B INITIATED	ABOVE ITS CONTROLS
2/P601-2/22 HPCI TURB EXH PRESS HIGH	1/P601-2/30 HPCI TURB EXH PRESS HIGH	ABOVE ITS CONTROLS
2/P601-2/23 HPCI PUMP SUCT PRESS HIGH	1/P601-3/25 HPCI PUMP SUCT PRESS HIGH	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P601-2/24 HPCI OIL FILTER DIFF PRESS HIGH	1/P601-3/26 HPCI OIL FILTER DIFF PRESS HIGH	ABOVE ITS CONTROLS
2/P601-2/25 CORE SPRAY B DISCH PIPE PRESS HIGH	1/P601-3/04 CORE SPRAY B DISCH PIPE PRESS HIGH	ABOVE ITS CONTROLS
2/P601-2/26 HPCI LOGIC BUS POWER FAILURE	1/P601-2/34 HPCI LOGIC BUS POWER FAILURE	ABOVE ITS CONTROLS
2/P601-2/27 TORUS LEVEL HIGH	1/P601-2/35 TORUS LEVEL HIGH	ABOVE ITS CONTROLS
2/P601-2/28 HPCI TURBINE EXH DRAIN POT LEVEL HIGH	1/P601-2/36 HPCI TURBINE EXH DRAIN POT LEVEL HIGH	ABOVE ITS CONTROLS
2/P601-2/29 HPCI BAROM CNDSR LEVEL HIGH	1/P601-3/31 HPCI BAROM CNDSR LEVEL HIGH	ABOVE ITS CONTROLS
2/P601-2/30 HPCI OIL TANK LEVEL LOW	1/P601-3/32 HPCI OIL TANK LEVEL LOW	ABOVE ITS CONTROLS
2/P601-2/31 CORE SPRAY IN TEST STATUS	1/P601-3/28 CORE SPRAY IN TEST STATUS	ABOVE ITS CONTROLS
2/P601-2/32 HPCI LEAK DET LOGIC POWER FAILURE	1/P601-2/05 HPCI LEAK DET LOGIC POWER FAILURE	ABOVE ITS CONTROLS
2/P601-2/33 COND STOR TANK LEVEL LOW	1/P601-2/06 COND STOR TANK LEVEL LOW	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P601-2/34 HPCI BAROM CNDSR PRESS HIGH	1/P601-3/01 HPCI BAROM CNDSR PRESS HIGH	ABOVE ITS CONTROLS
2/P601-2/35 HPCI BAROM CNDSR LEVEL LOW	1/P601-3/02 HPCI BAROM CNDSR LEVEL LOW	ABOVE ITS CONTROLS
2/P601-2/36 HPCI VAC BRKR VALVE NOT FULLY OPEN	1/P601-2/22 HPCI VAC BRKR VALVE NOT FULLY OPEN	ABOVE ITS CONTROLS
2/P601-3/01 RHR SYSTEM II ACTUATED	1/P601-3/34 RHR SYSTEM II ACTUATED	ABOVE ITS CONTROLS
2/P601-3/02 RHR PUMP B TRIP	1/P601-3/06 RHR PUMP B TRIP	ABOVE ITS CONTROLS
2/P601-3/03 RHR PUMP C TRIP	1/P601-4/16 RHR PUMP C TRIP	NOT LOCATED ABOVE ITS CONTROLS
2/P601-3/04 RHR IN TEST STATUS	1/P601-4/10 RHR IN TEST STATUS	ABOVE ITS CONTROLS
2/P601-3/05 RHR SYSTEM I ACTUATED	1/P601-4/14 RHR SYSTEM I ACTUATED	NOT LOCATED ABOVE ITS CONTROLS
2/P601-3/06 RHR PUMP A TRIP	1/P601-4/15 RHR PUMP A TRIP	NOT LOCATED ABOVE ITS CONTROLS
2/P601-3/07 RHR RELAY LOGIC B POWER FAILURE	1/P601-3/05 RHR RELAY LOGIC B POWER FAILURE	ABOVE ITS CONTROLS
2/P601-3/08 RHR PUMP B OVLDT / LOCKOUT RELAY TRIP	1/P601-3/12 RHR PUMP B OVLDT / LOCKOUT RELAY TRIP	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P601-3/09 RHR PUMP C OVLd / LOCKOUT RELAY TRIP	1/P601-4/22 RHR PUMP C OVLd / LOCKOUT RELAY TRIP	NOT LOCATED ABOVE ITS CONTROLS
2/P601-3/10 RHR HX A/B CLG WATER DISCH TEMP HIGH	1/P601-4/25 RHR HX A/B CLG WATER DISCH TEMP HIGH	ABOVE ITS CONTROLS
2/P601-3/11 RHR RELAY LOGIC A POWER FAILURE	1/P601-4/20 RHR RELAY LOGIC A POWER FAILURE	NOT LOCATED ABOVE ITS CONTROLS
2/P601-3/12 RHR PUMP A OVLd / LOCKOUT RELAY TRIP	1/P601-4/21 RHR PUMP A OVLd / LOCKOUT RELAY TRIP	NOT LOCATED ABOVE ITS CONTROLS
2/P601-3/13 RHR CROSSTIE VALVE 2E11-F010 OPEN	1/P601-3/11 RHR CROSSTIE VALVE E11-F010 OPEN	ABOVE ITS CONTROLS
2/P601-3/14 RHR LOOP B INJECT VALVES OVERLOAD	1/P601-3/23 RHR LOOP B INJECT VALVES OVERLOAD	ABOVE ITS CONTROLS
2/P601-3/15 RHR HX B DIFF PRESS LOW	1/P601-3/30 RHR HX B DIFF PRESS LOW	ABOVE ITS CONTROLS
2/P601-3/16 RHR HX A/B INLET WATER TEMP HIGH	1/P601-4/31 RHR HX A/B INLET WATER TEMP HIGH	ABOVE ITS CONTROLS
2/P601-3/17 HPCI ISOLATION VLV F002/F003 NOT FULLY OPEN	1/P601-2/07 HPCI ISOL VLV F002/F003 NOT FULLY OPEN	NOT LOCATED ABOVE ITS CONTROLS
2/P601-3/18 RHR LOOP A INJECT VALVES OVERLOAD	1/P601-4/32 RHR LOOP A INJECT VALVES OVERLOAD	NOT LOCATED ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P601-3/19 RHR LOOP B JOCKEY PUMP SYS WATER LEVEL LOW	1/P601-3/17 RHR LOOP B JOCKEY PUMP SYS WATER LEVEL LOW	ABOVE ITS CONTROLS
2/P601-3/20 RHR LOOP B VALVES OVERLOAD	1/P601-3/29 RHR LOOP B VALVES OVERLOAD	ABOVE ITS CONTROLS
2/P601-3/21 CNMT SPRAY B INJECT VALVES OVERLOAD	1/P601-3/35 CNMT SPRAY B INJECT VALVES OVERLOAD	ABOVE ITS CONTROLS
2/P601-3/24 RHR LOOP A VALVES OVERLOAD	1/P601-4/03 RHR LOOP A VALVES OVERLOAD	NOT LCOATED ABOVE ITS CONTROLS
2/P601-3/25 HPCI TURBINE IN TEST STATUS	1/P601-3/03 HPCI TURBINE IN TEST STATUS	NOT LOCATED ABOVE ITS CONTROLS
2/P601-3/26 RHR SERV WATER PUMP B TRIP	1/P601-3/18 RHR SERV WATER PUMP B TRIP	ABOVE ITS CONTROLS
2/P601-3/27 RHR SERV WATER PUMP D TRIP	1/P601-4/13 RHR SERV WATER PUMP D TRIP	ABOVE ITS CONTROLS
2/P601-3/28 RHR CNMT SPRAY OR SERV WTR PMP SEL IN OVERRIDE	1/P601-3/36 RHR CNMT S'RAY OR SERV WTR PMP SEL IN OVERRIDE	ABOVE ITS CONTROLS
2/P601-3/29 RX BLDG VENT EXHAUST RADIATION HI-HI	1/P603-2/16 RX BLDG STACK RADN MON HIGH - HIGH	Refers to Panel 2H11-P645, 2D11-P601
2/P601-3/30 RHR SERV WTR PUMP A TRIP	1/P601-4/27 RHR SERV WTR PUMP A TRIP	NOT LOCATED ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P601-3/31 HPCI PUMP DISCHARGE FLOW LOW	1/P601-3/09 HPCI PUMP DISCHARGE FLOW LOW	NOT LOCATED ABOVE ITS CONTROLS
2/P601-3/32 RHR SERV WATER PUMP B OVERLOAD	1/P601-3/24 RHR SERV WATER PUMP B OVERLOAD	ABOVE ITS CONTROLS
2/P601-3/33 RHR SERV WATER PUMP D OVERLOAD	1/P601-4/19 RHR SERV WATER PUMP D OVERLOAD	ABOVE ITS CONTROLS
2/P601-3/34 RHR SYS DISCH & SHUTDOWN SUCT HDRS PRESS HIGH	1/P601-4/08 RHR SYS DISCH & SHUTDOWN SUCT HDRS PRESS HIGH	ABOVE ITS CONTROLS
2/P601-3/35 2B21-R623 A/B IN HIGH SPEED MODE	1/P657-D/12	NOT LOCATED ABOVE ITS CONTROLS REF:#75
2/P601-3/36 RHR SERV WTR PUMP A OVERLOAD	1/P601-4/33 RHR SERV WTR PUMP A OVERLOAD	NOT LOCATED ABOVE ITS CONTROLS
2/P601-4/02 DRYWELL HIGH PRESSURE INITIATION	1/P601-4/05 DRYWELL HIGH PRESSURE INITIATION	LOCATED ON SAME PANEL/BOX AS UNIT 1
2/P601-4/03 CORE SPRAY A JOCKEY PUMP SYS WATER LEVEL LOW	1/P601-4/24 CORE SPRAY A JOCKEY PUMP SYS WATER LEVEL LOW	ABOVE ITS CONTROLS
2/P601-4/04 CORE SPRAY SYSTEM I ACTUATED	1/P601-4/29 CORE SPRAY SYSTEM I ACTUATED	ABOVE ITS CONTROLS
2/P601-4/05 CORE SPRAY PUMP A TRIP	1/P601-4/30 CORE SPRAY PUMP A TRIP	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P601-4/06 RX BLDG RADIATION HIGH	1/P601-2/06 RX BLDG RADIATION HIGH	Refers to Panel 2D21-P600, 2H11-P600
2/P601-4/08 REACTOR LOW LEVEL INITIATION	1/P601-4/11 REACTOR LOW LEVEL INITIATION	LOCATED ON SAME PANEL/BOX AS UNIT 1
2/P601-4/09 LEAK DET A LOGIC IN TEST STATUS	1/P601-2/13 LEAK DET A LOGIC IN TEST STATUS	Refers to Panel 2H11-P614
2/P601-4/10 CORE SPRAY SYS I LOGIC POWER FAILURE	1/P601-4/35 CORE SPRAY SYS I LOGIC POWER FAILURE	ABOVE ITS CONTROLS
2/P601-4/11 CS PUMP A OVL D / LOCKOUT RELAY TRIP	1/P601-4/36 CS PUMP A OVL D / LOCKOUT RELAY TRIP	ABOVE ITS CONTROLS
2/P601-4/12 REFUELING FLOOR AREA RADIATION HIGH	1/P601-2/10 REFUELING FLOOR AREA RADIATION HIGH	Refers to Panel 2D11-P600, 2H11-P600
2/P601-4/13 RHR HX A DIFF PRESS LOW	1/P601-4/04 RHR HX A DIFF PRESS LOW	ABOVE ITS CONTROLS
2/P601-4/14 REACTOR PRESS LOW 500 PSIG	1/P601-4/17 REACTOR PRESS LOW 500 PSIG	LOCATED ON SAME PANEL/BOX AS UNIT 1
2/P601-4/15 LEAK DET B LOGIC IN TEST STATUS	1/P601-2/19 LEAK DET B LOGIC IN TEST STATUS	Refers to Panel 2H11-P614
2/P601-4/16 CORE SPRAY SYSTEM I VALVES OVERLOAD	1/P601-4/05 CORE SPRAY SYSTEM I VALVES OVERLOAD	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P601-4/17 WGT BLDG RADIATION HIGH	1/P601-2/33 WGT BLDG RADIATION HIGH	Refers to Panel 2D21-P600, 2H11-P600
2/P601-4/19 CNMT SPRAY A INJECT VALVES OVERLOAD	1/P601-4/09 CNMT SPRAY A INJECT VALVES OVERLOAD	ABOVE ITS CONTROLS
2/P601-4/20 REACTOR LEVEL LOW	1/P601-4/23 REACTOR LEVEL LOW	LOCATED ON SAME PANEL/BOX AS UNIT 1
2/P601-4/21 LEAK DET DIFF TEMP HIGH	1/P601-2/25 LEAK DET DIFF TEMP HIGH	Refers to Panel 2H11-P614
2/P601-4/22 CORE PLATE TOP TO SPRAY HDR A DIFF PRESS HIGH	1/P601-4/12 SPRAY HEADER A FAILURE IF ABOVE 900 PSIG	LOCATED ON SAME PANEL/BOX AS UNIT 1
2/P601-4/23 TIP MACHINE AREA RADIATION HIGH		UNIQUE TO UNIT 2
2/P601-4/24 TURBINE BLDG RADIATION HIGH	1/P601-2/16 TURBINE BLDG RADIATION HIGH	Refers to Panel 2D11-P600
2/P601-4/25 RHR SERV WATER PUMP C TRIP	1/P601-4/28 RHR SERV WATER PUMP C TRIP	ABOVE ITS CONTROLS
2/P601-4/27 LEAK DET AMBIENT TEMP HIGH	1/P601-2/31 LEAK DET AMBIENT TEMP HIGH	Refers to Panel 2H11-P614
2/P601-4/28 CORE SPRAY A DISCH PIPE PRESS HIGH	1/P601-4/18 CORE SPRAY A DISCH PIPE PRESS HIGH	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P601-4/29 MACHINE SHOP RADIATION HIGH		UNIQUE TO UNIT 2
2/P601-4/30 RADWASTE BLDG RADIATION HIGH	1/P601-2/03 RADWASTE BLDG RADIATION HIGH	Refers to Panel 2D21-P600, 2H11-P645
2/P601-4/31 RHR SERV WATER PUMP C OVERLOAD	1/P601-4/34 RHR SERV WATER PUMP C OVERLOAD	ABOVE ITS CONTROLS
2/P601-4/32 JOCKEY PUMP SYS B DISCH PRESS LOW	1/P601-3/10 CORE SPRAY B JOCKEY PUMP SYS WATER LEVEL LOW	ABOVE ITS CONTROLS
2/P601-4/33 JOCKEY PUMP SYS A DISCH PRESS LOW	1/P601-4/24 CORE SPRAY A JOCKEY PUMP SYS WATER LEVEL LOW	ABOVE ITS CONTROLS
2/P601-4/34 RX BLDG VENT EXTRAUST RADIATION HIGH		Refers to Panel 2H11-P645
2/P601-4/35 MAIN STACK GAMMA RADIATION HIGH		Refers to Panel 2H11-P657
2/P601-4/36 AREA RADIATION MONITORS DOWNSCALE	1/P601-2/01 AREA RADIATION MONITORS DOWNSCALE	Refers to Panel 2D21-P600
2/P602-1/06 PUMP MOTOR A OIL LEVEL HIGH	1/P602-1/10 PUMP MOTOR A OIL LEVEL HIGH/LOW	ABOVE ITS CONTROLS
2/P602-1/10 ECCS/RPS DIVISION I TROUBLE	1/P602-1/24 ECCS/RPS DIVISION I TROUBLE	Refers to Panels 2H11-P921, 923, 925, 927

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P602-1/12 PUMP MOTOR A OIL LEVEL LOW	1/P602-1/10 PUMP MOTOR A OIL LEVEL HIGH/LOW	ABOVE ITS CONTROLS
2/P602-1/17 LOW LOW SET LOGIC A/C LOSS OF POWER	1/P602-2/17 LOW LOW SET LOGIC A/C LOSS OF POWER	NOT LOCATED ABOVE ITS CONTROLS, 2H11-P602 #278
2/P602-1/18 PUMP MOTOR A WINDING COOLING WATER FLOW LOW		ABOVE ITS CONTROLS
2/P602-1/20 OIL MIST ELIMINATOR A DIFF PRESS HIGH		DEL UNIT 1 PER DCR 88-94, UNIQUE
2/P602-1/23 LOW LOW SET LOGIC A/C ARMED	1/P602-2/23 LOW LOW SET LOGIC A/C ARMED	NOT LOCATED ABOVE ITS CONTROLS (SRV'S)
2/P602-1/24 RECIRC PUMP A COOLER LEAK OR COND BUILDUP		ABOVE ITS CONTROLS
2/P602-1/29 LOW LOW SET LOGIC B/D LOSS OF POWER	1/P602-2/29 LOW LOW SET LOGIC B/D LOSS OF POWER	NOT LOCATED ABOVE ITS CONTROL (SRV'S)
2/P602-1/35 LOW LOW SET LOGIC B/D ARMED	1/P602-2/35 LOW LOW SET LOGIC B/D ARMED	NOT LOCATED ABOVE ITS CONTROL (SRV'S)
2/P602-1/36 DRYWELL FLOOR DRAIN SUMP FLOW HIGH	1/P602-4/02 DRYWELL FLOOR DRAINS SUMP LEVEL HIGH-HIGH	ABOVE ITS CONTROLS
2/P602-2/01 RX BLDG FLOOR DRAINS SUMP A LEAK HIGH	1/P602-4/01 RX BLDG FLOOR DRAINS SUMP A LEAK HIGH	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P602-2/02 DRYWELL FLOOR DRAINS SUMP LEVEL HIGH-HIGH	1/P602-4/02 DRYWELL FLOOR DRAINS SUMP LEVEL HIGH-HIGH	ABOVE ITS CONTROLS
2/P602-2/03 RWCU SYS CONDUCTIVITY HIGH	1/P602-4/03 RWCU SYS CONDUCTIVITY HIGH	BASICALLY ABOVE ITS CONTROL (REF #63)
2/P602-2/04 MSIV LEAKAGE FLOW HIGH		UNIQUE TO UNIT 2
2/P602-2/05 MAIN STEAM LINE OUTBOARD PRESS HIGH		UNIQUE TO UNIT 2
2/P602-2/06 FISSION PRODUCT PARTIC RADN HIGH/INOP	1/P601-2/02 FISSION PRODUCT PARTICULATE RADIATION HIGH	Refers to Panel 2H11-P645, 2H11-P604
2/P602-2/07 RX BLDG FLOOR DRAINS SUMP B LEAK HIGH	1/P602-4/07 RX BLDG FLOOR DRAINS SUMP B LEAK HIGH	ABOVE ITS CONTROLS
2/P602-2/08 DRYWELL FLOOR DRAINS SUMP LEAK HIGH	1/P602-4/08 DRYWELL FLOOR DRAINS SUMP LEAK HIGH	ABOVE ITS CONTROLS
2/P602-2/09 RWCU DISCH PRESS HIGH/LOW	1/P602-4/09 RWCL DISCH PRESS HIGH/LOW	BASICALLY ABOVE ITS CONTROLS (# 259)
2/P602-2/10 MSIV SEAL SYS DIL AIR INBD FLOW LOW		UNIQUE TO UNIT 2
2/P602-2/11 MSIV SEAL SYS DIL AIR OUTBD FLOW LOW		UNIQUE TO UNIT 2

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P602-2/12 FISSION PRODUCT IODINE RADN HIGH/INOP	1/P601-2/08 FISSION PRODUCT IODINE RADIATION HIGH	Refers to Panel 2H11-P645, 2H11-P604
2/P602-2/13 RX BLDG EQUIP DRAINS SUMP LEAK HIGH	1/P602-4/13 RX BLDG EQUIP DRAINS SUMP LEAK HIGH	ABOVE ITS CONTROLS
2/P602-2/14 DRYWELL EQUIP DRAINS SUMP LEVEL HIGH-HIGH	1/P602-4/14 DRYWELL EQUIP DRAINS SUMP LEVEL HIGH-HIGH	ABOVE ITS CONTROLS
2/P602-2/15 RWCU PUMP HIGH TEMP TRIP	1/P602-4/15 RWCU PUMP HIGH TEMP TRIP	BASICALLY ABOVE ITS CONTROLS (# 259)
2/P602-2/16 MSIV SEAL SYS INBOARD LOGIC PWR FAILURE		UNIQUE TO UNIT 2
2/P602-2/17 MSIV SEAL SYS OUTBOARD LOGIC PWR FAILURE		UNIQUE TO UNIT 2
2/P602-2/18 FISSION PRODUCT GAS HIGH/INOP	1/P601-2/14 FISSION PRODUCT GAS RADIATION HIGH	Refers to Panel 2H11-P645, 2H11-P604
2/P602-2/19 RX BLDG EQUIP DRAINS SUMP TEMP HIGH	1/P602-4/19 RX BLDG EQUIP DRAINS SUMP TEMP HIGH	ABOVE ITS CONTROLS
2/P602-2/20 DRYWELL EQUIP DRAINS SUMP LEAK HIGH	1/P602-4/20 DRYWELL EQUIP DRAINS SUMP LEAK HIGH	ABOVE ITS CONTROLS
2/P602-2/21 RWCU SYS LEAK	1/P602-4/21 RWCU SYS LEAK	BASICALLY ABOVE ITS CONTROLS (#259)

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Un 1	Comments
2/P602-2/22 MSIV SEAL SYS INBOARD BLOWER OVERLOAD		UNIQUE TO UNIT 2
2/P602-2/23 MSIV SEAL SYS OUTBOARD BLOWER OVERLOAD		UNIQUE TO UNIT 2
2/P602-2/24 FISSION PRODUCT DOWNSCALE	1/P601-2/20 FISSION PRODUCT RADIATION DOWNSCALE	Refers to Panel 2H11-P645
2/P602-2/25 RADWASTE CONTROLLER 1 TROUBLE		UNIT 2 HAS DIFFERENT SYS, UNIQUE
2/P602-2/26 DRYWELL EQUIP DRAINS SUMP TEMP HIGH	1/P602-4/26 DRYWELL EQUIP DRAINS SUMP TEMP HIGH	ABOVE ITS CONTROLS
2/P602-2/27 RWCU FILTER INLET TEMP HIGH	1/P602-4/27 RWCU FILTER INLET TEMP HIGH	BASICALLY ABOVE ITS CONTROL (#259)
2/P602-2/28 MSIV SEAL SYS INBOARD VALVE OVERLOAD		UNIQUE TO UNIT 2
2/P602-2/29 MSIV SEAL SYS OUTBOARD VALVE OVERLOAD		UNIQUE TO UNIT 2
2/P602-2/30 FISSION PRODUCT FLOW HIGH/LOW	1/P601-2/26 FISSION PRODUCT FLOW HIGH/LOW	Refers to Panel 2H11-P700
2/P602-2/31 RADWASTE CONTROLLER 2 TROUBLE		UNIT 2 HAS DIFFERENT SYS, UNIQUE

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P602-2/32 RADWASTE CONTROLLER 3 TROUBLE		UNIT 2 HAS DIFFERENT SYS, UNIQUE
2/P602-2/33 RWCU FILTER DEMIN FAILURE	1/P602-4/33 RWCU FILTER DEMIN FAILURE	BASICALLY ABOVE ITS CONTROLS (#259)
2/P602-2/34 RWCU PUMP FLOW LOW	1/P602-4/34 RWCU PUMP FLOW LOW	BASICALLY ABOVE ITS CONTROL (#259)
2/P602-2/35 MSIV SEAL SYS INBOARD HEATER OVERLOAD		UNIQUE TO UNIT 2
2/P602-2/36 CONTAINMENT RADIATION HIGH/INOP		Refers to Panel 2H11-P645, P657, P654 & P604
2/P602-3/01 DRIVE MOTOR B TRIP	1/P602-2/01 DRIVE MOTOR B TRIP	NOT ABOVE ITS CONTROL
2/P602-3/02 FLUID DRIVE B OIL TEMP HIGH	1/P602-2/08 FLUID DRIVE B OIL TEMP HIGH	NOT ABOVE ITS CONTROL
2/P602-3/03 GENERATOR B LOCKOUT	1/P602-2/03 GENERATOR B LOCKOUT	NOT ABOVE ITS CONTROL
2/P602-3/04 PUMP MOTOR B VIBRATION HIGH	1/P602-2/04 PUMP MOTOR B VIBRATION HIGH	NOT ABOVE ITS CONTROL
2/P602-3/06 PUMP MOTOR B OIL LEVEL HIGH	1/P602-2/10 PUMP MOTOR B OIL LEVEL HIGH/LOW	NOT ABOVE ITS CONTROL
2/P602-3/07 DRIVE MOTOR B DIFF CURRENT	1/P602-2/07 DRIVE MOTOR B DIFF CURRENT	NOT ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P602-3/03 FLUID DRIVE B OIL TEMP LOW	1/P602-2/02 FLUID DRIVE B OIL TEMP LOW	NOT ABOVE ITS CONTROL
2/P602-3/09 GENERATOR B AUX LOCKOUT	1/P602-2/09 GENERATOR B AUX LOCKOUT	NOT ABOVE ITS CONTROL
2/P602-3/10 DRYWELL PRESS HIGH	1/P602-2/20 DRYWELL/TORUS PRESS HIGH	BASICALLY ABOVE ITS CONTROL (#49)
2/P602-3/11 ATWS RPT CHANNEL 2 IN TEST STATUS	1/P602-2/05 ATWS CHANNEL 2 IN TEST STATUS	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/12 PUMP MOTOR B OIL LEVEL LOW	1/P602-2/10 PUMP MOTOR B OIL LEVEL HIGH/LOW	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/13 DRIVE MOTOR B OVERLOAD	1/P602-2/13 DRIVE MOTOR B OVERLOAD	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/14 FLUID DRIVE B OIL PRESS LOW	1/P602-2/14 FLUID DRIVE B OIL PRESS LOW	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/15 GENERATOR B FIELD GROUND	1/P602-2/15 GENERATOR B FIELD GROUND	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/16 OUTER SEAL B LEAK DETECTION FLOW HIGH	1/P602-2/16 OUTER SEAL B LEAK DETECTION FLOW HIGH	NOT LOCATED ABOVE ITS CONTROL (#33)
2/P602-3/17 PUMP MOTOR A/B TEMP HIGH	1/P602-1/17 PUMP MOTOR A/B TEMP HIGH	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/18 PUMP MOTOR B WINDING COOLING WATER FLOW LOW		NOT LOCATED ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P602-3/19 DRIVE MOTOR B GROUND	1/P602-2/19 DRIVE MOTOR B GROUND	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/20 OIL MIST ELIMINATOR B DIFF PRESS HIGH		DEL FRM UNIT 1 PER 88-94, UNIQUE
2/P602-3/21 GENERATOR B INTERNAL AIR TEMP HIGH	1/P602-2/21 GENERATOR B INTERNAL AIR TEMP HIGH	NOT LOCATED ABOVE ITS CONTROL (#27)
2/P602-3/22 PUMP B SEAL STAGING FLOW HIGH/LOW	1/P602-2/22 PUMP B SEAL STAGING FLOW HIGH/LOW	NOT LOCATED ABOVE ITS CONTROL (#33)
2/P602-3/23 GEN & DRIVE MTR STATOR A/B TEMP HIGH	1/P602-1/23 GEN & DRIVE MTR STATOR A/B TEMP HIGH	NOT LOCATED ABOVE ITS CONTROL (# 10,26,8,24)
2/P602-3/24 RECIRC PUMP B COOLER LEAK OR COND BUILDUP		NOT LOCATED ABOVE ITS CONTROL
2/P602-3/25 DRIVE MOTOR B INTERNAL AIR TEMP HIGH	1/P602-2/25 DRIVE MOTOR B INTERNAL AIR TEMP HIGH	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/26 FLUID DRIVE B SCOOP TUBE LOCK	1/P602-2/26 FLUID DRIVE B SCOOP TUBE LOCK	NOT LOCATED ABOVE ITS CONTROL (#126)
2/P602-3/27 RECIRC LOOP B OUT OF SERVICE	1/P602-2/27 RECIRC LOOP B OUT OF SERVICE	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/28 PUMP B SEAL CLOSED COOLING WATER FLOW LOW	1/P602-2/28 PUMP B SEAL CLOSED COOLING WATER FLOW LOW	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/29 MG SET A/B BRG & OIL TEMP HIGH	1/P602-1/29 MG SET A/B BRG & OIL TEMP HIGH	NOT LOCATED ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P602-3/30 TORUS LEVEL (RCIC) HIGH	1/P602-2/30 TORUS LEVEL (RCIC) HIGH	ABOVE ITS CONTROLS
2/P602-3/31 MG SET B DC CONTROL POWER TRANSFER	1/P602-2/31 MG SET B DC CONTROL POWER TRANSFER	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/32 SPEED CONTROL B SIGNAL FAILURE	1/P602-2/32 SPEED CONTROL B SIGNAL FAILURE	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/33 START-UP SEQUENCE B INCOMPLETE	1/P602-2/33 START-UP SEQUENCE B INCOMPLETE	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/34 RECIRC B FLOW LIMIT	1/P602-2/34 RECIRC B FLOW LIMIT	NOT LOCATED ABOVE ITS CONTROL
2/P602-3/35 TORUS WATER LEVEL HIGH/LOW	1/P602-4/35 TORUS WATER LEVEL HIGH/LOW	ABOVE ITS CONTROLS
2/P602-3/36 CST LEVEL (RCIC) LOW	1/P602-2/36 CST LEVEL (RCIC) LOW	ABOVE ITS CONTROLS (#176, 177, 178)
2/P602-4/01 RCIC TURBINE TRIP	1/P602-3/01 RCIC TURBINE TRIP	NOT LOCATED ABOVE ITS CONTROL (#179)
2/P602-4/02 RCIC STEAM LINE DIFF PRESS HIGH	1/P602-3/02 RCIC STEAM LINE DIFF PRESS HIGH	GROUPED WITH LIKE ALARMS/ NOT ABOVE CONTROL
2/P602-4/03 RCIC ISOL TIMER INITIATED	1/P602-3/03 RCIC ISOL TIMER INITIATED	NOT LOCATED ABOVE ITS CONTROL (#81)
2/P602-4/04 RCIC TURBINE BRG OIL PRESS LOW	1/P602-3/04 RCIC TURBINE BRG OIL PRESS LOW	NOT ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P602-4/05 ADS LOW WATER LVL ACTU TIMERS INITIATED	1/P602-3/30 ADS LOW WATER LVL ACTU TIMERS INITIATED	Refers to Panel 2H11-P603
2/P602-4/06 AUTO BLOWDOWN TIMERS INITIATED	1/P602-3/06 AUTO BLOWDOWN TIMERS INITIATED	ABOVE ITS CONTROLS
2/P602-4/07 RCIC ISOLATION SIGNAL LOGIC A	1/P602-3/07 RCIC ISOLATION SIGNAL LOGIC A	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/08 RCIC TURBINE INLET DRAIN POT LEVEL HIGH	1/P602-3/08 RCIC TURBINE INLET DRAIN POT LEVEL HIGH	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/09 RCIC VALVES MOTOR OVERLOAD	1/P602-3/09 RCIC VALVES MOTOR OVERLOAD	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/10 RCIC TURBINE COUPLING END BRG TEMP HIGH	1/P602-3/10 RCIC TURBINE COUPLING END BRG TEMP HIGH	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/11 SAFETY BLOWDOWN PRESSURE HIGH	1/P602-3/11 SAFETY/BLOWDOWN VALVE PRESS HIGH	BASICALLY ABOVE ITS CONTROLS (SRV'S)
2/P602-4/12 AUTO BLOWDOWN CS OR RHR PRESS PERMISSIVE	1/P602-3/12 AUTO BLOWDOWN CS OR RHR PRESS PERMISSIVE	Refers to Panel 2H11-P601 (CS OR RHR SYSTEM)
2/P602-4/13 RCIC ISOLATION SIGNAL LOGIC B	1/P602-3/13 RCIC ISOLATION SIGNAL LOGIC B	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/14 RCIC TURBINE EXH DIAPHRAGM PRESS HIGH	1/P602-3/14 RCIC TURBINE EXH DIAPHRAGM PRESS HIGH	NOT LOCATED ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P602-4/15 RCIC PUMP SUCT PRESS LOW	1/P602-3/15 RCIC PUMP SUCT PRESS LOW	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/16 RCIC TURBINE GOV END BRG TEMP HIGH	1/P602-3/16 RCIC TURBINE GOV END BRG TEMP HIGH	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/17 AUTO BLOWDOWN CONTROL POWER FAILURE	1/P602-3/17 AUTO BLOWDOWN CONTROL POWER FAILURE	BASICALLY ABOVE ITS CONTROLS (#99, 100 & 103)
2/P602-4/18 AUTO BLOWDOWN RELAYS ENERGIZED	1/P602-3/18 AUTO BLOWDOWN RELAYS ENERGIZED	ABOVE ITS CONTROLS (#292)
2/P602-4/19 RCIC INVERTER K603 POWER FAILURE	1/P602-3/19 RCIC INVERTER K603 POWER FAILURE	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/20 RCIC TURB EXH PRESS HIGH	1/P602-3/20 RCIC TURB EXH PRESS HIGH	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/21 RCIC PUMP SUCT PRESS HIGH	1/P602-3/21 RCIC PUMP SUCT PRESS HIGH	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/22 RCIC PUMP DISCHARGE FLOW LOW	1/P602-3/22 RCIC PUMP DISCHARGE FLOW LOW	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/23 AUTO BLOWDOWN TEST PROCEDURE FAULTY	1/P602-3/23 AUTO BLOWDOWN TEST PROCEDURE FAULTY	Refers to ESF RELAY PANEL/GROUPED BY FUNCTION
2/P602-4/24 AUTO BLOWDOWN HIGH DRWL PRESS SEAL-IN	1/P602-3/24 AUTO BLOWDOWN HIGH DRWL PRESS SEAL-IN	ABOVE ITS CONTROLS (#292)

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P602-4/25 RCIC LOGIC OR TORUS LVL LOGIC POWER FAILURE	1/P602-3/25 RCIC LOGIC BUS POWER FAILURE	Refers to Panels 2H21-P621, 2H11-P623
2/P602-4/26 RCIC VAC BRKR VALVES NOT FULLY OPEN	1/P602-3/26 RCIC VAC BRKR VALVES NOT FULLY OPEN	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/27 RCIC BAROM CNDSR LEVEL HIGH	1/P602-3/27 RCIC BAROM CNDSR LEVEL HIGH	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/28 RCIC BAROM CNDSR PRESS HIGH	1/P602-3/28 RCIC BAROM CNDSR PRESS HIGH	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/29 AUTO BLOWDOWN IN TEST STATUS	1/P602-3/29 AUTO BLOWDOWN IN TEST STATUS	Refers to ESF RELAY PANEL
2/P602-4/30 RCIC SYSTEM HIGH VESSEL LEVEL TRIP	1/P602-2/24 RCIC SYSTEM HIGH VESSEL LEVEL TRIP	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/31 RCIC LEAK DET LOGIC POWER FAILURE	1/P602-3/31 RCIC LEAK DET LOGIC POWER FAILURE	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/32 RCIC OIL FILTER DIFF PRESS HIGH	1/P602-3/32 RCIC OIL FILTER DIFF PRESS HIGH	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/33 RCIC BAROM CNDSR LEVEL LOW	1/P602-3/33 BAROM CNDSR LEVEL LOW	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/34 RCIC TURBINE IN TEST STATUS	1/P602-3/34 RCIC TURBINE IN TEST STATUS	NOT LOCATED ABOVE ITS CONTROLS
2/P602-4/35 ADS INHIBIT SWITCH(ES) IN INHIBIT POSITION	1/P602-3/36 ADS INHIBIT SWITCH(ES) IN INHIBIT POS	BASICALLY ABOVE ITS CONTROLS (#261)

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P602-4/36 RCIC ISOLATION VLV F007/F008 NOT FULLY OPEN	1/P602-3/35 RCIC ISOLATION VLV F007/F008 NOT FULLY OPEN	NOT LOCATED ABOVE ITS CONTROLS
2/P603-1/05 REACTOR VESSEL HIGH PRESSURE TRIP	1/P603-1/05 REACTOR VESSEL HIGH PRESS TRIP	SAME ALARM - SAME LOCATION
2/P603-1/14 REACTOR VESSEL PRESSURE HIGH	1/P603-1/14 REACTOR PRESSURE HIGH	SAME ALARM - SAME LOCATION
2/P603-1/20 CRD PUMP A SUCTION FILTER DIFF PRESS HIGH	1/P603-1/20 CRD PUMP SUCTION FILTER A DIFF PRESS HIGH	SAME ALARM - SAME LOCATION
2/P603-1/21 CRD PUMP B SUCTION FILTER DIFF PRESS HIGH	1/P603-1/21 CRD PUMP SUCTION FILTER B DIFF PRESS HIGH	SAME ALARM - SAME LOCATION
2/P603-1/22 SAFETY/BLOWDOWN VALVE LEAKING	1/P602-3/05 SAFETY/BLOWDOWN VALVE LEAKING	NOT LOCATED ABOVE ITS CONTROL (2H11-P602)
2/P603-1/23 REACTOR LEVEL CONTROL VALVE LOCKED	1/P603-1/16 FEEDWATER STARTUP VALVES LOCKED UP	ABOVE ITS CONTROL
2/P603-1/34 RPT SYSTEM A TRIP	1/P602-1/06 RPT SYSTEM A TRIP	NOT LOCATED ABOVE ITS CONTROL (2H11-P602)
2/P603-1/35 RPT SYS A OUT OF SVC OR LOSS OF CNTL PWR	1/P602-1/12 RPT SYS A OUT OF SVC OR LOSS OF CNTL PWR	NOT LOCATED ABOVE ITS CONTROL
2/P603-1/43 RPT SYSTEM B TRIP	1/P602-2/06 RPT SYSTEM B TRIP	NOT LOCATED ABOVE ITS CONTROL
2/P603-1/44 RPT SYS B OUT OF SVC OR LOSS OF CNTL POWER	1/P602-2/12 RPT SYS B OUT OF SVC OR LOSS OF CNTL PWR	NOT LOCATED ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P603-1/45 DRWL FLOOR DRAIN PUMPS C001A-B HI RADN PMP TRIP		NOT LOCATED ABOVE ITS CONTROL (2H11-P602)
2/P603-1/49 REMOTE SHUTDOWN TRANSFER SWITCH IN EMERG POS	1/P603-1/34 RMT S/D XFER SW PNL 1C82-P001 IN EMERG POS	Refers to Panel 2C82-P001
2/P603-1/54 DRWL EQUIP DRAIN PUMPS C006A-B HI RADN PMP TRIP		NOT LOCATED ABOVE ITS CONTROL (2H11-P602)
2/P603-2/25 TURB BLDG MSL CHANNEL A1/A2 LEAK		UNIQUE TO UNIT 2
2/P603-2/26 TURB BLDG MSL CHANNEL B1/B2 LEAK		UNIQUE TO UNIT 2
2/P603-2/39 RMCS/RWM ROD BLOCK OR SYS TROUBLE	1/P603-2/39 RMCS/RWM ROD BLOCK OR SYS TROUBLE	SAME ALARM - SAME LOCATION
2/P603-2/45 ALL A/B SEQ RODS NOT FULL OUT	1/P603-2/45 ALL A/B SEQ RODS NOT FULL OUT	SAME ALARM - SAME LOCATION
2/P603-2/49 ROD DISPLAY TEMP HIGH		Refers to the back of Panel 2H11-P603
2/P650-P/01 CST LEVEL HIGH		BASICALLY ABOVE ITS CONTROLS
2/P650-P/02 MAIN TURB OIL CONDITIONER TROUBLE		Refers to Panel 2H11-656

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-P/03 LOOSE PARTS MONITORING SYS TROUBLE		UNIQUE TO UNIT 2
2/P650-P/04 DRYWELL/TORUS RCDR R627 TEMP HIGH		NOT ABOVE ITS CONTROL (#203)
2/P650-P/08 OIL IN CONTROL BUILDING SUMP C001		
2/P650-P/09 OIL IN CONTROL BUILDING SUMP C003		
2/P650-P/10 PSW PUMP 2A OVLD/LOCKOUT RELAY TRIP	1/P650-P/10 PSW PUMP 1A OVLD/LOCKOUT RELAY TRIP	SAME ALARM - SAME LOCATION
2/P650-P/11 COND XFER PMP C001A PRESS LOW		NOT ABOVE ITS CONTROL #116, #152B
2/P650-P/12 MAIN CONDENSER HOTWELL LEVEL LOW		BASICALLY ABOVE ITS CONTROL #100
2/P650-P/13 CONDENSATE PUMP LOW LEVEL TRIP		BASICALLY ABOVE ITS CONTROL #201
2/P650-P/14 PANEL 2H11-P654 SYSTEM TROUBLE	1/P650-P/52 PANEL 1H11-P654 SYSTEM TROUBLE	Refers to Panel 2H11-P654
2/P650-P/16 COND BSTR PMPS SUCTION PRESS LOW	1/P650-T/32 COND BOOSTER PUMPSUCT PRESS LOW	ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-P/18 HYDROGEN RECOMB FDR BRKR TRIP		UNIQUE TO UNIT 2
2/P650-P/19 HYDROGEN RECOMB SYSTEM TROUBLE		UNIQUE TO UNIT 2
2/P650-P/20 PSW PUMP 2B OVLD/LOCKOUT RELAY TRIP	1/P650-P/20 PSW PUMP 1B OVLD/LOCKOUT RELAY TRIP	SAME ALARM - SAME LOCATION
2/P650-P/21 COND XFER PMP C001B PRESS LOW		ABOVE ITS CONTROLS
2/P650-P/22 MAIN CONDENSER HOTWELL LEVEL HIGH		ABOVE ITS CONTROLS
2/P650-P/23 2T48-R601A/B IN HIGH SPEED MODE		Refers to Panels 2H11-P657, 2H11-P654, 2H11-P600
2/P650-P/24 PANEL 2H11-P657 SYSTEM TROUBLE	1/P650-P/42 PANEL 1H11-P657 SYSTEM TROUBLE	Refers to Panel 2H11-P657
2/P650-P/25 PANEL 2H11-P700 SYSTEM TROUBLE	1/P650-P/23 PANEL 1H11-P700 SYSTEM TROUBLE	Refers to Panel 2H11-P700
2/P650-P/28 OIL IN TURBINE BUILDING FLOOR DRAIN SUMP	1/P650-T/54 TURB BLDG SUMP PUMP ALARM	
2/P650-P/29 PSW INTK STRUCT WATER LEVEL LOW		ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-P/30 PSW PUMP 2C OVLD/LOCKOUT RELAY TRIP	1/P650-P/30 PSW PUMP 1C OVLD/LOCKOUT RELAY TRIP	SAME ALARM - SAME LOCATION
2/P650-P/31 3RD STG SJAE A STEAM FLOW HIGH		ABOVE ITS CONTROLS
2/P650-P/32 3RD STG SJAE A STEAM FLOW LOW		ABOVE ITS CONTROLS
2/P650-P/33 DRYWELL/TORUS PRESS HIGH	1/P602-2/20 DRYWELL/TORUS PRESS HIGH	ABOVE ITS CONTROLS (#191)
2/P650-P/34 SEC SYSTEM AUTO INITIATION SIGNAL PRESENT		Refers to Panel 2H11-P654, P657, P602, P601
2/P650-P/35 SEC SYSTEM CLR 5A OR 5B FLOW LOW		Refers to Panel 2H11-P654, P657, P602, P601
2/P650-P/38 HX PSW/RBCCW DIFF PRESS LOW	1/P650-P/50 HX 1A PSW/RBCCW DIFF PRESS LOW	ABOVE ITS CONTROLS
2/P650-P/39 RBCCW PUMPS DISCH PRESS LOW		ABOVE ITS CONTROLS
2/P650-P/40 PSW PUMP 2D OVLD/LOCKOUT RELAY TRIP	1/P650-P/40 PSW PUMP 1D OVLD/LOCKOUT RELAY TRIP	SAME ALARM - SAME LOCATION
2/P650-P/41 3RD STG SJAE B STEAM FLOW HIGH		ABOVE ITS CONTROLS

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-P/42 SJAE AUX DRN TK A007A LEVEL HIGH		ABOVE ITS CONTROLS
2/P650-P/43 FUEL POOL FD SYSTEM TROUBLE	1/P654-V/36 FUEL POOL F/D SYSTEM TROUBLE	Refers to Panel 2G41-P001
2/P650-P/44 SEC SYSTEM CLR 1A OR 1B FLOW LOW		Refers to Panel 2H11-P654, P657, P602, P601
2/P650-P/45 SEC SYSTEM CLR 2A OR 2B FLOW LOW		Refers to Panel 2H11-P654, P657, P602, P601
2/P650-P/46 RB VENT EFFL ANY COLLECTOR RADN LEVEL MAX		Refers to Panel For Post Accident Monitoring
2/P650-P/49 RBCCW HX OUTLET TEMP HIGH	1/P650-P/49 RBCCW HXS OUTLET TEMP HIGH	SAME ALARM - SAME LOCATION
2/P650-P/50 CIRC WTR FLUME LEVEL LOW	1/P650-R/06 CIRC WTR FLUME LEVEL LOW	ABOVE ITS CONTROL
2/P650-P/51 3RD STGH SJAE B STEAM FLOW LOW	1/P600-N/15 3RD STG SJAE STEAM FLOW A/B LOW	ABOVE ITS CONTROL
2/P650-P/52 SJAE AUX DRN TK A007B LEVEL HIGH		ABOVE ITS CONTROL
2/P650-P/54 SEC SYSTEM CLR 3A OR 3B FLOW LOW		Refers to Panel 2H11-P700

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-P/55 SEC SYSTEM CLR 4A OR 4B FLOW LGW		Refers to Panel 2H11-P654
2/P650-P/56 RB VENT EFFL ALL COLLECTORS RADN LEVEL MAX		Refers to Panel For Post Accident Monitoring
2/P650-P/57 SPDS INVERTER 2R44-S005 TROUBLE	1/P650-P/08 SPDS INVERTER 1R44-S004 TROUBLE	Refers to Location 112TDT12
2/P650-P/59 RBCCW HX OUTLET TEMP LOW	1/P650-P/59 RBCCW HXS OUTLET TEMP LOW	SAME ALARM - SAME LOCATION
2/P650-P/60 CIRC WTR FLUME LEVEL HIGH		ABOVE ITS CONTROL
2/P650-R/01 RFPT 2A OIL PUMPS C007A/B OVERLOAD	1/P650-R/14 RFPT 1A OIL PUMPS C005A/B OVERLOAD	ABOVE ITS CONTROL
2/P650-R/02 RFPT 2B OIL PUMPS C008A/B OVERLOAD	1/P650-R/17 RFPT 1B OIL PUMPS C006A/B OVERLOAD	ABOVE ITS CONTROL
2/P650-R/03 RFPT 2A/B EMERG DC OIL PUMPS C009/C010 OVLD	1/P650-R/03 RFPT 1A/1B BRG EMERG OIL PUMP OVERLOAD	SAME ALARM - SAME LOCATION
2/P650-R/04 RFPT 2A SPEED ZFRO	1/P650-R/19 RFPT 1A SPEED ZERO	ABOVE ITS CONTROL
2/P650-R/05 RFPT 2A THRUST BRG WEAR TRIP	1/P650-R/07 RFPT 1A THRUST BRG WEAR TRIP	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-R/06 RFPT 2B SPEED ZERO	1/P650-R/22 RFPT 1B SPEED ZERO	ABOVE ITS CONTROL
2/P650-R/07 RFPT 2B THRUST BRG WEAR TRIP	1/P650-R/10 RFPT 1B THRUST BRG WEAR TRIP	ABOVE ITS CONTROL
2/P650-R/08 RFPT 2A THRUST BRG WEAR TRIP LOCKOUT	1/P650-R/25 RFPT 1A THRUST BRG WEAR TRIP LOCKOUT	ABOVE ITS CONTROL
2/P650-R/09 RFPT 2B THRUST BRG WEAR TRIP LOCKOUT	1/P650-R/28 RFPT 1B THRUST BRG WEAR TRIP LOCKOUT	ABOVE ITS CONTROL
2/P650-R/10 RFPT/RFP A BRG OIL PRESS LOW	1/P650-R/13 RFP 1A BRG OIL PRESS LOW	ABOVE ITS CONTROL
2/P650-R/11 RFPT/RFP B BRG OIL PRESS LOW	1/P650-R/16 RFP 1B BRG OIL PRESS LOW	ABOVE ITS CONTROL
2/P650-R/12 RFPT 2A OIL RESERVOIR LEVEL LOW	1/P650-R/20 RFPT 1A OIL RESERVOIR LEVEL HIGH/LOW	ABOVE ITS CONTROL
2/P650-R/13 RFPT 2A BRG OIL TEMP HIGH	1/P605-R/02	ABOVE ITS CONTROL
2/P650-R/14 RFPT 2B OIL RESERVOIR LEVEL LOW	1/P650-R/23 RFPT 1B OIL RESERVOIR LEVEL HIGH/LOW	ABOVE ITS CONTROL
2/P650-R/15 RFPT 2B BRG OIL TEMP HIGH	1/P650-R/05 RFPT 1B BRG OIL TEMP HIGH	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-R/16 RFPT OIL CONDITIONER TROUBLE		ABOVE ITS CONTROL
2/P650-R/19 RFPT LOOP SEAL LOST		ABOVE ITS CONTROL
2/P650-R/20 POLISHING DEMINERALIZER ALARM	1/P650-T/22 POLISHING DEMINERALIZER ALARM	Refers to Panel 2N21-P001A
2/P650-R/21 RFPT 2A SUCT. PRESS. LOW	1/P650-R/21 RFPT 1A SUCT PRESS LOW	SAME ALARM - SAME LOCATION
2/P650-R/22 RHR SW PUMPS BRG TEMP HIGH	1/P650-R/24 RHR SW PUMPS BRG TEMP HIGH	Refers to Panel 2H11-P655
2/P650-R/23 RFPT 2A EMERG DC OIL PUMP RUNNING	1/P650-R/26 RFPT 1A BRG EMERG OIL PUMP RUNNING	ABOVE ITS CONTROL
2/P650-R/24 RFPT 2B EMERG DC OIL PUMP RUNNING	1/P650-R/29 RFPT 1B BRG EMERG OIL PUMP RUNNING	ABOVE ITS CONTROL
2/P650-R/25 RFPT 2A TRIP	1/P650-R/01 RFPT 1A TRIP	ABOVE ITS CONTROL
2/P650-R/26 RFPT 2B TRIP	1/P650-R/04 RFPT 1B TRIP	ABOVE ITS CONTROL
2/P650-R/27 RFPT 2A HYD OIL PRESS LOW	1/P650-R/08 RFPT 1A BRG OIL PRESS LOW	ABOVE ITS CONTROL
2/P650-R/28 RFPT 2B HYD OIL PRESS LOW	1/P650-R/11 RFPT 1B BRG OIL PRESS LOW	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORF

Unit 2	Unit 1	Comments
2/P650-R/29 RFPT 2A BRG TEMP HIGH	1/P650-R/09 RFPT BRG TEMP HIGH	ABOVE ITS CONTROL
2/P650-R/31 RFPT 2A EXCESSIVE VIBRATION	1/P650-R/31 RFPT 1A EXCESSIVE VIBRATION	SAME ALARM - SAME LOCATION
2/P650-R/32 RFPT 2B EXCESSIVE VIBRATION	1/P650-R/34 RFPT 1B EXCESSIVE VIBRATION	ABOVE ITS CONTROL
2/P650-R/33 RFPT 2B BRG TEMP HIGH	1/P650-R/15 RFPT 1A/1B BRG TEMP HIGH	ABOVE ITS CONTROL
2/P650-R/34 RFPT 2B SUCTION PRESS. LOW	1/P650-R/27 RFPT 1B SUCTION PRESS LOW	ABOVE ITS CONTROL
2/P650-T/01 TURBINE LOW VACUUM TRIP	1/P650-T/48 TURBINE VACUUM LOW	ABOVE ITS CONTROL
2/P650-T/02 TURBINE VACUUM LOW	1/P650-T/49 TURBINE VACUUM LOW	ABOVE ITS CONTROL
2/P650-T/03 PSW MAIN HDR DIV I PRESS LOW	1/P650-T/33 PSW MAIN HDR DIV I PRESS LOW	ABOVE ITS CONTROL
2/P650-T/04 TURB SHAFT PUMP DISCH PRESS LOW TRIP	1/P650-T/09 TURB SHAFT PUMP DISCH PRESS LOW TRIP	ABOVE ITS CONTROL
2/P650-T/05 TURBINE OVERSPEED TRIP	1/P650-T/16 TURBINE OVERSPEED TRIP	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-T/06 EHC FLUID PRESS TRIP	1/P650-T/50 EHC FLUID PRESS TRIP	ABOVE ITS CONTROL
2/P650-T/07 EHC FLUID RESERVOIR LEVEL HIGH/LOW	1/P650-T/28 EHC FLUID RESERVOIR LEVEL HIGH/LOW	ABOVE ITS CONTROL
2/P650-T/08 EHC FLUID TEMP HIGH/LOW OR FLTR DIFF ALARM	1/P650-T/17 EHC FLUID TEMP HIGH/LOW OR FLTR DIFF ALARM	ABOVE ITS CONTROL
2/P650-T/09 T-BRG WEAR DET & LOW BRG OIL PRESS TRIP		ABOVE ITS CONTROL
2/P650-T/10 TURBINE OIL TANK LEVEL HIGH/LOW	1/P650-T/07 TURBINE OIL TANK LEVEL HIGH/LOW	ABOVE ITS CONTROL
2/P650-T/11 MSR DIFF TEMP HIGH	1/P650-T/45 MSR DIFF TEMP HIGH	Refers to Panel 2H11-P656
2/P650-T/12 RFP/COND BRG METAL TEMP HIGH		ABOVE ITS CONTROL
2/P650-T/13 TURBINE METAL DIFF TEMP HIGH	1/P650-T/38 TURBINE METAL DIFF TEMP HIGH	ABOVE ITS CONTROL
2/P650-T/14 MOTOR SUCTION PUMP OVERLOAD	1/P650-T/41 MOTOR SUCTION PUMP OVERLOAD	ABOVE ITS CONTROL
2/P650-T/15 TGOP/EBOP OVERLOAD	1/P650-T/63 TGOP/EBOP OVERLOAD	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-T/16 STEAM SEAL PRESS HIGH		ABOVE ITS CONTROL
2/P650-T/17 MSR HOTWELL TK A004A LEVEL HIGH	1/P650-T/01 MSR AB TANK LEVEL HIGH	Refers to Panel 2H21-P227A, 2H21-P217
2/P650-T/18 MSR HOTWELL TK A004B LEVEL HIGH	1/P650-T/01 MSR AB TANK LEVEL HIGH	Refers to Panel 2H21-P277B, 2H21 P217
2/P650-T/19 MSR HOTWELL TK A004C LEVEL HIGH	1/P650-T/12 MSR CD TANK LEVEL HIGH	Refers to Panel 2H21-P227C, 2H21-P217
2/P650-T/20 MSR HOTWELL TK A004D LEVEL HIGH	1/P650-T/12 MSR CD TANK LEVEL HIGH	Refers to Panel 2H21-P227D, 2H21-P217
2/P650-T/21 VAPOR EXTRACTOR FAILURE	1/P650-T/19 VAPOR EXTRACTOR FAILURE	ABOVE ITS CONTROL Ref #30
2/P650-T/22 TURBINE EXHAUST HOOD TEMP HIGH	1/P650-T/49 TURBINE EXHAUST HOOD TEMP HIGH	ABOVE ITS CONTROL
2/P650-T/23 EXHAUST HOOD TEMPERATURE TRIP	1/P650-T/60 EXHAUST HOOD TEMPERATURE TRIP	ABOVE ITS CONTROL
2/P650-T/24 MAX COMBINED FLOW LIMIT LIMITING	1/P650-T/56 MAX COMBINED FLOW LIMIT LIMITING	ABOVE ITS CONTROL
2/P650-T/25 STEAM SEAL PRESS LOW	1/P650-T/26 STEAM SEAL PRESS LOW	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-T/26 MAIN STOP VALVES 1 AND 4 CLOSED	1/P650-T/03 MAIN STOP VALVES 1 AND 4 CLOSED	ABOVE ITS CONTROL
2/P650-T/27 MAIN STOP VALVES 2 AND 3 CLOSED	1/P650-T/14 MAIN STOP VALVES 2 AND 3 CLOSED	ABOVE ITS CONTROL
2/P650-T/28 INTERCEPT VALVES 1 AND 2 CLOSED	1/P650-T/25 INTERCEPT VALVES 1 AND 2 CLOSED	ABOVE ITS CONTROL
2/P650-T/29 INTERCEPT VALVES 3 AND 4 CLOSED	1/P650-T/36 INTERCEPT VALVES 3 AND 4 CLOSED	ABOVE ITS CONTROL
2/P650-T/30 INTERMEDIATE STOP VLVS 1&2 CLOSED	1/P650-T/47 INTERMEDIATE STOP VLVS 1&2 CLOSED	ABOVE ITS CONTROL
2/P650-T/31 INTERMEDIATE STOP VLVS 3&4 CLOSED	1/P650-T/58 INTERMEDIATE STOP VLVS 3&4 CLOSED	ABOVE ITS CONTROL
2/P650-T/32 TURB BRG OIL PRESS LOW	1/P650-T/29 TURB BRG OIL PRESS LOW	ABOVE ITS CONTROL
2/P650-T/33 TURBINE SPEED ZERO	1/P650-T/27 TURBINE SPEED ZERO	ABOVE ITS CONTROL
2/P650-T/34 MSR HOTWELL AND DRAIN TANK TROUBLE		ABOVE ITS CONTROL
2/P650-T/35 HEATER TROUBLE ALARM		Refers to Panel 2H11-P656

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-T/36 SHAFT VIB/ EXPANSION ALARM	1/P650-T/05 SHAFT VIB/ EXPANSION ALARM	ABOVE ITS CONTROL
2/P650-T/37 4160V STA SVC FDR BRKR TRIP	1/P650-T/42 4160V STA SVC FDR BRKR TRIP	NOT GROUPED BY FUNCTION (PSW)
2/P650-T/38 600V STA SVC FDR BRKR TRIP	1/P650-T/53 600V STA SVC FDR BRKR TRIP	Refers to Panel 2H11-P651
2/P650-T/39 EBOP RUNNING	1/P650-T/51 EBOP RUNNING	ABOVE ITS CONTROL
2/P650-T/40 TGOP RUNNING	1/P650-T/62 TGOP START FAILURE	ABOVE ITS CONTROL
2/P650-T/42 TURB OIL TANK LEVEL HIGH-HIGH	1/P650-T/18 TURB OIL TANK LEVEL HIGH-HIGH	ABOVE ITS CONTROL
2/P650-T/43 CAS BLDG FEEDER TRIPPED		Refers to Panel 2H11-P651
2/P650-T/45 LOSS OF STATOR COOLANT TRIP	1/P650-T/04 LOSS OF STATOR COOLANT TRIP	ABOVE ITS CONTROL
2/P650-T/47 INTK SCREEN OR LOW RIVER LEVEL ALARM	1/P650-P/03 INTK SCREEN OR LOW RIVER LEVEL ALARM	ABOVE ITS CONTROL Ref #25
2/P650-T/50 TURBINE SUPV EQUIP POWER FAILURE	1/P650-T/31 TURBINE SUPV EQUIP POWER FAILURE	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-T/51 STBY CONDENSATE OR BOOSTER PUMP RUNNING	1/P650-T/21 STBY CONDENSATE OR BOOSTER PUMP RUNNING	NOT LOCATED ABOVE ITS CONTROL #78, #79
2/P650-T/52 QUILL SHAFT FAILURE	1/P650-T/08 QUILL SHAFT FAILURE	ABOVE ITS CONTROL #147, #22
2/P650-T/53 TGOP START FAILURE	1/P650-T/62 TGOP START FAILURE	ABOVE ITS CONTROL #147, #21
2/P650-T/54 STANDBY EHC PUMP RUNNING	1/P650-T/61 STANDBY EHC PUMP RUNNING	ABOVE ITS CONTROL
2/P650-T/55 MOTOR SUCTION PUMP RUNNING	1/P650-T/30 MOTOR SUCTION PUMP RUNNING	ABOVE ITS CONTROL
2/P650-T/56 PSW MAIN HDR DIV II PRESS LOW	1/P650-T/44 PSW MAIN HDR DIV II PRESS LOW	ABOVE ITS CONTROL
2/P650-T/57 CIRC WTR FLUME VLVS POSITION INCORRECT	1/P650-P/13 CIRC WTR FLUME VLVS POSITION INCORRECT	Refers to Panel 2H11-P700
2/P650-T/58 EHC FLUID RESERVOIR LEVEL HIGH-HIGH	1/P650-T/39 EHC FLUID RESERVOIR LEVEL HIGH-HIGH	ABOVE ITS CONTROL
2/P650-T/60 MSR HIGH LEVEL TRIP	1/P650-T/46 MSR HIGH LEVEL TRIP	ABOVE ITS CONTROL
2/P650-T/61 EHC POWER LOSS	1/P650-T/06 EHC POWER LOSS	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P650-T/62 BELLOWS FAILURE	1/P650-T/37 BELLOWS FAILURE	ABOVE ITS CONTROL #10, #131
2/P650-T/63 CONDENSER ROOM FLOODING TEST STATUS		NOT LOCATED ABOVE ITS CONTROL #80, 81
2/P650-T/64 CONDENSER ROOM FLOODING	1/P650-T/57 CONDENSER ROOM FLOODING	NOT LOCATED ABOVE ITS CONTROL #80, 81
2/P650-T/65 TURB GEN/CWPS BRG TEMP HIGH	1/P650-T/40 TURB GEN BRG TEMP HIGH	ABOVE ITS CONTROL
2/P650-T/66 CNDSR CIRC WTR DIFF PRESS HIGH	1/P650-T/10 CNDSR CIRC WTR DIFF PRESS HIGH OR HW LEVEL LOW	NOT LOCATED ABOVE ITS CONTROL
2/P651-E/01 GENERATOR NEGATIVE SEQUENCE	1/P651-E/43 GENERATOR NEGATIVE SEQUENCE	ABOVE ITS CONTROL
2/P651-E/02 MAIN BATTERY 2A FUSE TROUBLE		ABOVE ITS CONTROL
2/P651-E/03 GEN/EXCTR FIELD GROUND DET RELAY	1/P651-E/44 GEN/EXCTR FIELD GROUND DET RELAY	ABOVE ITS CONTROL
2/P651-E/04 MAIN BATTERY 2B FUSE TROUBLE		ABOVE ITS CONTROL
2/P651-E/05 GENERATOR LOSS OF EXCITATION	1/P651-E/21 GENERATOR LOSS OF EXCITATION	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P651-E/06 GENERATOR IMPEDANCE RELAY TRIPPED	1/P651-E/32 GENERATOR IMPEDANCE RELAY TRIPPED	ABOVE ITS CONTROL
2/P651-E/07 GENERATOR BUS COOLING ALARM	1/P651-E/55 GENERATOR BUS COOLING ALARM	ABOVE ITS CONTROL
2/P651-E/08 GENERATOR VOLTS HERTZ HIGH	1/P651-E/65 GENERATOR VOLTS HERTZ HIGH	ABOVE ITS CONTROL
2/P651-E/09 GEN FIELD OVERVOLTAGE EXCITER TRIPPED	1/P651-E/11 GEN FIELD OVERVOLTAGE EXCITER TRIPPED	ABOVE ITS CONTROL
2/P651-E/11 MCC 2E-B NORMAL FDDR BRKR TRIPPED	1/P651-E/34 MCC 1E-B NORMAL FDR BRKR TRIPPED	ABOVE ITS CONTROL
2/P651-E/12 MAIN TRANSFORMER MISC ALARM	1/P651-E/26 MAIN TRANSFORMER MISC ALARM	ABOVE ITS CONTROL
2/P651-E/13 MAIN XFMR WINDING TEMP HIGH	1/P651-E/27 MAIN XFMR WINDING TEMP HIGH	ABOVE ITS CONTROL
2/P651-E/14 UNIT AUX XFMR 2A MISC ALARM	1/P651-E/28 UNIT AUX XFMR 1A MISC ALARM	ABOVE ITS CONTROL
2/P651-E/15 UNIT AUX XFMR 2A WINDING TEMP HIGH	1/P651-E/29 UNIT AUX XFMR 1A WINDING TEMP HIGH	ABOVE ITS CONTROL
2/P651-E/16 UNIT AUX XFMR 2B MISC ALARM	1/P651-E/30 UNIT AUX XFMR 1B MISC ALARM	ABOVE ITS CONTF

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P651-E/17 UNIT AUX XFMR 2B WINDING TEMP HIGH	1/P651-E/31 UNIT AUX XFMR 1B WINDING TEMP HIGH	ABOVE ITS CONTROL
2/P651-E/18 STARTUP AUX XFMR 2C MISC ALARM	1/P651-E/16 STARTUP AUX XFMR 1C MISC ALARM	ABOVE ITS CONTROL
2/P651-E/19 STARTUP AUX XFMR 2C WINDING TEMP HIGH	1/P651-E/17 STARTUP AUX XFMR 1C WINDING TEMP HIGH	ABOVE ITS CONTROL
2/P651-E/20 STARTUP AUX XFMR 2D MISC ALARM	1/P651-E/19 STARTUP AUX XFMR 1D MISC ALARM	ABOVE ITS CONTROL
2/P651-E/21 STARTUP AUX XFMR 2D WINDING TEMP HIGH	1/P651-E/20 STARTUP AUX XFMR 1D WINDING TEMP HIGH	ABOVE ITS CONTROL
2/P651-E/23 STA SERVICE SUPPLY BREAKER TRIPPED	1/P651-E/03 STA SERVICE SUPPLY BREAKER TRIPPED	ABOVE ITS CONTROL
2/P651-E/24 EXCITER FIELD OVERCURRENT	1/P651-E/33 EXCITER FIELD OVERCURRENT	ABOVE ITS CONTROL
2/P651-E/25 125/250V BATTERY VOLTS LOW	1/P651-E/39 125/250V BATT LOW VOLTS OR FUSE TROUBLE	ABOVE ITS CONTROL
2/P651-E/26 125/250V BATT CHGR MALFUNCTION	1/P651-E/40 125/250V BATT CHGR MALFUNCTION	ABOVE ITS CONTROL
2/P651-E/27 125/250V BATTERY GND FAULT	1/P651-E/41 125/250V BATTERY GND FAULT	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P651-E/28 MCC 2E-A ALT FDR BRKR TRIPPED	1/P651-E/24 MCC 1E-A ALT FDR BRKR TRIPPED	ABOVE ITS CONTROL
2/P651-E/29 24/48V BATT VOLTS LOW	1/P651-E/37 24/48V BATT VOLTS LOW	ABOVE ITS CONTROL
2/P651-E/30 24/48V BATT CHGR MALFUNCTION	1/P651-E/38 24/48V BATT CHGR MALFUNCTION	ABOVE ITS CONTROL
2/P651-E/31 INVERTER 1R44-S002 TROUBLE	1/P651-E/42 INVERTER 1R44-S002 TROUBLE	ABOVE ITS CONTROL
2/P651-E/32 125V CLG TWR BATT LOW VOLT/ DC OFF/CHGR MALF	1/P651-E/52 125V CLG TWR BATT CHGP MALFUNCTION	ABOVE ITS CONTROL P651-E/51
2/P651-E/23 240V VITAL AC BATT VOLTS LOW	1/P651-E/45 240V VITAL AC BATT VOLTS LOWS	ABOVE ITS CONTROL
2/P651-E/34 VITAL AC SYS TROUBLE	1/P651-E/56 VITAL AC SYS TROUBLE	ABOVE ITS CONTROL
2/P651-E/35 VOLTAGE REGULATOR TRIPPED	1/P651-E/66 VOLTAGE REGULATOR TRIPPED	ABOVE ITS CONTROL
2/P651-E/36 4160V BUS 2A UNDERVOLTAGE	1/P651-E/06 4160V BUS 1A UNDERVOLTAGE	ABOVE ITS CONTROL
2/P651-E/37 4160V BUS 2B UNDERVOLTAGE	1/P651-E/07 4160V BUS 1B UNDERVOLTAGE	ABOVE ITS CONTROL
2/P651-E/38 4160V BUS 2C UNDERVOLTAGE	1/P651-E/08 4160V BUS 1C UNDERVOLTAGE	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P651-E/39 4160V BUS 2D UNDERVOLTAGE	1/P651-E/09 4160V BUS 1D UNDERVOLTAGE	ABOVE ITS CONTROL
2/P651-E/40 600V BUS 2A UNDERVOLTAGE	1/P651-E/01 600V BUS 1A UNDERVOLTAGE	ABOVE ITS CONTROL
2/P651-E/41 600V BUS 2AA UNDERVOLTAGE	1/P651-E/02 600V BUS 1AA UNDERVOLTAGE	ABOVE ITS CONTROL
2/P651-E/42 600V BUS 2B UNDERVOLTAGE	1/P651-E/12 600V BUS 1B UNDERVOLTAGE	ABOVE ITS CONTROL
2/P651-E/43 STA SVC SWCR DC OFF	1/P651-E/04 STA SVC SWGR DC OFF	ABOVE ITS CONTROL
2/P651-E/44 COOLING TOWER BRKR TRIPPED	1/P651-E/50 COOLING TOWER/ DEEP WELL PUMP BRKR TRIPPED	ABOVE ITS CONTROL
2/P651-E/45 208V BUS ON ALT SUPPLY	1/P651-E/25 208V BUS ON ALT SUPPLY	ABOVE ITS CONTROL
2/P651-E/46 208V BUS UNDV/ SUPPLY BRKR TRIPPED	1/P651-E/36 208V BUS UNDV/ SUPPLY BRKR TRIPPED	ABOVE ITS CONTROL
2/P651-E/47 600V BUS 2BB UNDERVOLTAGE	1/P651-E/13 600V BUS 1BB UNDERVOLTAGE	ABOVE ITS CONTROL
2/P651-E/48 INVERTER 2R44-S003 TROUBLE	1/P651-E/53 INVERTER 1R44-S003 TROUBLE	ABOVE ITS CONTROL
2/P651-E/49 MCC 2E-A NORMAL FDR BRKR TRIPPED	1/P651-E/23 MCC 1E-A NORMAL FDR BRKR TRIPPED	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P651-E/50 VITAL AC SYS ON ALT SUPPLY	1/P651-E/57 VITAL AC SYS ON ALT SUPPLY	ABOVE ITS CONTROL
2/P651-E/51 120/208V FEEDER TRIPPED	1/P651-E/47 120/208V FEEDER TRIPPED	ABOVE ITS CONTROL
2/P651-E/53 CLG TOWER 120/208V SUPPLY LOSS	1/P651-E/48 CLG TOWER 120/208V SUPPLY LOSS	ABOVE ITS CONTROL
2/P651-E/54 COOLING TOWER TRANSFORMERS ALARM	1/P651-E/49 600V CLG TWR TRANSFORMER MALFUNCTION	ABOVE ITS CONTROL
2/P651-E/55 600V STA SVC TRANSFORMERS ALARM	1/P651-E/05 600V STA SVC TRANSFORMERS ALARM	ABOVE ITS CONTROL
2/P651-E/56 STARTUP XFMR 2C FAULT PRESSURE ALARM	1/P651-E/15 STARTUP XFMR 1C FAULT PRESSURE ALARM	ABOVE ITS CONTROL
2/P651-E/57 STARTUP XFMR 2D FAULT PRESSURE ALARM	1/P651-E/18 STARTUP XFMR 1D FAULT PRESSURE ALARM	ABOVE ITS CONTROL
2/P651-E/58 MAIN XFMR FAULT PRESSURE ALARM	1/P651-E/14 MAIN XFMR FAULT PRESSURE ALARM	ABOVE ITS CONTROL
2/P651-E/61 MAIN GEN/ALTNTR TEMPERATURE TROUBLE	1/P651-E/54 MAIN GEN/ALTNTR TEMPERATURE TROUBLE	ABOVE ITS CONTROL
2/P651-E/62 RB & RW BLDG CHILLER A/B BRKR TRIPPED		UNIQUE TO UNIT 2

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P651-E/64 UNIT AUX XFMR 2A FAULT PRESSURE		ABOVE ITS CONTROL
2/P651-E/65 UNIT AUX XFMR 2B FAULT PRESSURE		ABOVE ITS CONTROL
2/P651-E/66 MCC 2E-B ALT FDR BRKR TRIPPED	1/P651-E/35 MCC 1E-B ALT FDR BRKR TRIPPED	ABOVE ITS CONTROL
2/P651-H/25 RECTIFIER COOLANT FLOW LOW	1/P651-H/25 RECTIFIER WATER DIFF PRESS HIGH	SAME ALARM - SAME LOCATION
2/P651-H/27 PSW HIGH DIFF PRESS TEST STATUS		Refers to Panel 2H11-P652
2/P651-H/23 MAIN SEAL OIL PUMP OVERLOAD	1/P650-T/20 MAIN SEAL OIL PUMP OVERLOAD	ABOVE ITS CONTROL
2/P654-V/02 DRYWELL VENT EXHAUST BYPASS VALVES OPEN	1/P654-V/14 DRYWELL VENT EXHAUST BYPASS VALVES OPEN	ABOVE ITS CONTROL
2/P654-V/04 MULTIPOINT TEMP RCDR 2T41-R620 TEMP HIGH	1/P654-V/04 MULTIPOINT TEMP RCDR 1T41-R620 TEMP HIGH	SAME ALARM - SAME LOCATION
2/P654-V/05 FUEL POOL PUMP DISCH PRESS HIGH	1/P654-V/05 1A FUEL POOL PUMP DISCH PRESS HIGH	SAME ALARM - SAME LOCATION
2/P654-V/12 TURB BLDG VENT EXH FILTER A DIFF PRESS HIGH	1/P654 V/12 TB EXH TR A DIFF PRESS HIGH	SAME ALARM - SAME LOCATION

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P654-V/13 TURB BLDG VENT EXH FILTER B DIFF PRESS HIGH	1/P654-V/13 TB EXH FLTR B DIFF PRESS HIGH	SAME ALARM - SAME LOCATION
2/P654-V/14 FUEL POOL XFER CANAL BLADDER AIR PRESS LOW	1/P654-V/51 FUEL POOL XFER CANAL BLADDER AIR PRESS LOW	ABOVE ITS CONTROL
2/P654-V/15 FUEL POOL XFER CANAL SUPPLY AIR PRESS LOW	1/P654-V/66 FUEL POOL XFER CANAL SUPPLY AIR PRESS LOW	ABOVE ITS CONTROL
2/P654-V/17 TORUS VENT EXHAUST BYPASS VALVES OPEN	1/P654-V/29 TORUS VENT EXHAUST BYPASS VALVES OPEN	ABOVE ITS CONTROL
2/P654-V/20 TORUS WATER TEMP HIGH		ABOVE ITS CONTROL
2/P654-V/23 DRWL-DRYER/SEP BELLOWS ASSEM LEAKING	1/P654-V/23 DRWL-DRYER/SEP BELLOWS ASSY LEAKING	SAME ALARM - SAME LOCATION
2/P654-V/26 TURB BLDG VENT SPLY FLTR D001 DIFF PRESS HIGH	1/P601-1/04 TURBINE BLDG VENT FLTR INTK RADIATION HIGH	ABOVE ITS CONTROL
2/P654-V/27 TURB BLDG VENT FLTRS D004/D005 TEMP HIGH		ABOVE ITS CONTROL
2/P654-V/31 2B SBT FAN FLOW LOW	1/P654-V/31 1B SBT FAN FLOW LOW	SAME ALARM - SAME LOCATION
2/P654-V/32 PCIS HIGH DRWL PRESS SIGNAL IN OVRD	1/P654-V/44 PCIS HIGH DRWL PRESS SIGNAL TO OVRD	ABOVE ITS CONTROL

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P654-V/36 DRWL PNEU AREA OXYGEN LEVEL LOW		ABOVE ITS CONTROL
2/P654-V/37 FUEL POOL PUMP DISCH PRESS LOW	1/P654-V/37 1A FUEL POOL PUMP DISCH PRESS LOW	SAME ALARM - SAME LOCATION
2/P654-V/38 TRANSFER CANAL SEAL ASSEMBLY LEVEL HIGH		Refers to R/F floor
2/P654-V/41 DRYWELL COOLING UNIT B007A/7B FLOW LOW	1/P654-V/41 DRYWELL COOLING UNIT B007A DIFF PRESS LOW	SAME ALARM - SAME LOCATION
2/P654-V/42 DRYWELL COOLING UNIT B008A/8B FLOW LOW	1/P654-V/42 DRYWELL COOLING UNIT B008A DIFF PRESS LOW	SAME ALARM - SAME LOCATION
2/P654-V/43 DRYWELL COOLING UNIT B009A/9B FLOW LOW	1/P654-V/43 DRYWELL COOLING UNIT B009A DIFF PRESS LOW	SAME ALARM - SAME LOCATION
2/P654-V/44 TURB BLDG VENT SUPPLY FAN FLOW LOW		ABOVE ITS CONTROL
2/P654-V/46 2B SBTG FLTR DIFF PRESS HIGH	1/P654-V/46 1B SBTG FLTR DIFF PRESS HIGH	SAME ALARM - SAME LOCATION
2/P654-V/47 PCIS RPV LEVEL LOW SIGNAL IN OVRD	1/P654-V/59 PCIS RPV LEVEL LOW SIGNAL IN OVRD	ABOVE ITS CONTROL
2/P654-V/52 FPC SYS SKIMMER SURGE TANK 2A LEVEL HIGH	1/P654-V/52 FPC SYS SKIMMER SURGE TANK 1A LEVEL HIGH	SAME ALARM - SAME LOCATION

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P654-V/53 FPC SYS SKIMMER SURGE TANK 2B LEVEL HIGH	1/P654-V/53 FPC SYS SKIMMER SURGE TANK 1B LEVEL HIGH	SAME ALARM - SAME LOCATION
2/P654-V/55 CONTROL BLDG EXH FAN FLOW LOW	1/P654-V/55 CONTROL BLDG EXH FAN C008A FLOW LOW	SAME ALARM - SAME LOCATION
2/P654-V/56 DRWL CLG INLET 2P64-F045 OVERLOAD		ABOVE ITS CONTROL
2/P654-V/57 DRWL CLG OUTLET 2P64-F047 OVERLOAD		ABOVE ITS CONTROL
2/P654-V/59 TURB BLDG VENT EXHAUST FAN FLOW LOW		ABOVE ITS CONTROL
2/P654-V/61 2B SBTG FLTR MOISTURE HIGH	1/P654-V/61 1B SBTG FLTR MOISTURE HIGH	SAME ALARM - SAME LOCATION
2/P654-V/62 PCIS RX BLDG HI RADN SIGNAL IN OVRD	1/P654-V/74 PCIS RX BLDG HI RADN SIGNAL IN OVRD	ABOVE ITS CONTROL
2/P654-V/65 DRYWELL PRESS HIGH	1/P602-2/20 DRYWELL/TORUS PRESS HIGH	ABOVE ITS CONTROL
2/P654-V/66 DRYWELL TEMP HIGH		ABOVE ITS CONTROL
2/P654-V/67 FPC SYS SKIMMER SURGE TANK 2A LEVEL LOW	1/P654-V/67 FPC SYS SKIMMER SURGE TANK 1A LEVEL LOW	SAME ALARM - SAME LOCATION

UNIT 2 VS UNIT 1
ANNUNCIATORS

Unit 2	Unit 1	Comments
2/P654-V/68 FPC SYS SKIMMER SURGE TANK 2B LEVEL LOW	1/P654-V/68 FPC SYS SKIMMER SURGE TANK 1B LEVEL LOW	SAME ALARM - SAME LOCATION
2/P654-V/70 DRYWELL COOLING UNIT B010A AIR DISCH TEMP HIGH		ABOVE ITS CONTROL
2/P654-V/74 MULTIPOINT TEMP RCDR 2T47-R612 TEMP HIGH	1/P654-V/09 MULTIPOINT TEMP RCDR 1T47-R612 TEMP HIGH	ABOVE ITS CONTROL
2/P654-V/76 2B SBT SWITCH NOT IN AUTO	1/P654-V/76 1B SBT SWITCH NOT IN AUTO	SAME ALARM - SAME LOCATION
2/P654-V/77 PCIS RF HIGH RADN SIGNAL IN OVRD	1/P654-V/89 PCIS RF HIGH RADN SIGNAL IN OVRD	ABOVE ITS CONTROL
2/P654-V/78 SBGT FLTR F HI-HI TEMP TRIP OR FAN/HTR S/D		ABOVE ITS CONTROL
2/P654-V/80 TORUS WATER LEVEL HIGH/LOW	2/P602-4/35 TORUS WATER LEVEL HIGH/LOW	ABOVE ITS CONTROL
2/P654-V/82 FPC SYS SKIMMER SURGE TANK 2A LEVEL LOW LOW	1/P654-V/82 FPC SYS SKIMMER SURGE TANK 1A LEVEL LOW LOW	SAME ALARM - SAME LOCATION
2/P654-V/83 FPC SYS SKIMMER SURGE TANK 2B LEVEL LOW LOW	1/P654-V/83 FPC SYS SKIMMER SURGE TANK 1B LEVEL LOW LOW	SAME ALARM - SAME LOCATION
2/P654-V/85 DRYWELL COOLING UNIT B010B AIR DISCH TEMP HIGH		ABOVE ITS CONTROL