PSE&G

Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038

Nuclear Department

November 7, 1983

Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, Maryland 20014

Attention: Mr. Steven A. Varga, Chief
Operating Reactors Branch 1
Division of Licensing

Gentlemen:

SUPPLEMENTAL RESPONSE TO GENERIC LETTER 83-28
NO. 1 AND 2 UNITS
SALEM GENERATING STATION
DOCKET NOS. 50-272 AND 50-311

Public Service Electric and Gas Company's letter dated July 22, 1983 provided our response to Generic Letter 83-28, regarding actions required to address the generic implications of the Salem reactor trip breaker failures on February 22 and February 25, 1983. Our July 22, 1983 response addressed each of the required actions. In most cases, we referenced previous correspondence which had described our programs developed as part of our corrective action program implemented prior to restart of Salem Generating Station Unit Nos. 1 and 2. Additionally, we committed to conducting a detailed review of Generic Letter 83-28 to determine if further actions may be required. The results of this review are attached.

Pursuant to 10 CFR 50.54(f), the required affidavit will be submitted in the near future under separate cover.

Sincerely,

E. A. Liden
Manager - Nuclear
Licensing and Regulation

Attachment

A001
1/1

CC: Mr. Donald C. Fischer
Licensing Project Manager

Mr. James Linville
Senior Resident Inspector

ATTACHMENT

SUPPLEMENTAL RESPONSE TO GENERIC
LETTER 83-28 FOR SALEM GENERATING STATION

1.1 POST-TRIP REVIEW (PROGRAM DESCRIPTION AND PROCEDURE)

Our letter of July 22, 1983 provided the requested information.

1.2 POST-TRIP REVIEW (DATA & INFORMATION CAPABILITY)

Enclosure 1 is provided in response to this request.

2.1 EQUIPMENT CLASSIFICATION & VENDOR INTERFACE
(REACTOR TRIP SYSTEM COMPONENTS)

Our letter of July 22, 1983 identified previous submittals that addressed all points in this position with the following exceptions:

Position: Vendors of these components should be contacted and an interface established. Where vendors can not be identified, have gone out of business, or will not supply the information, the licensee or applicant shall assure that sufficient attention is paid to equipment maintenance, replacement, and repair, to compensate for the lack of vendor backup, to assure reactor trip system reliability.

Response: PSE&G's Vendor Document Control Procedure will be revised by December 31, 1983 to require that System Sponsor Engineers be made aware of the lack of vendor response and assign them responsibility to ensure that an adequate maintenance program exists for this equipment.

Position: The program shall also define the interface and division of responsibilities among the licensees and the nuclear and non-nuclear divisions of their vendors that provide service on reactor trip system components to assure that requisite control of and applicable instructions for maintenance work are provided.

Response: PSE&G's Vendor Document Control Procedure will be revised by December 31, 1983 to require that the vendor confirm that correspondence has been addressed to the proper vendor division/section and that return information supplied to PSE&G is from the vendor's Nuclear Division/Section.

2.2 EQUIPMENT CLASSIFICATION & VENDOR INTERFACE (PROGRAMS FOR ALL SAFETY-RELATED COMPONENTS)

Our letter of July 22, 1983 identified previous submittals that addressed all points in this position with the following exceptions:

Position: A description of the process by which station personnel use this information handling system to determine that an activity is safety-related and what procedures for maintenance, surveillance, parts replacement and other activities defined in the introduction to 10 CFR 50, Appendix B, apply to safety-related components.

Response: Procedures require that Station personnel utilize the MEL System List in conjunction with the Component List for determining whether an activity is safety-related and/or whether the QA Program applies to the activity. The MEL System List and Component List are described in our letter of April 8, 1983.

Once an activity has been determined to be safety-related or applicable to the QA Program, established approved procedures are utilized in the performance of the activity.

Position: A demonstration that appropriate design verification and qualification testing is specified for procurement of safety-related components. The specifications shall include qualification testing for expected safety service conditions and provide support for the licensees' receipt of testing documentation to support the limits of life recommended by the supplier.

Response: Engineering procedures require procurement specifications include special testing and/or qualification testing requirements. The PSE&G Quality Assurance Program requires QA review and approval of safety-related procurement specifications.

As part of this review, QA insures that qualification testing requirements were considered in the specification.

Position: For vendor interface, licensees and applicants shall establish, implement and maintain a continuing program to ensure that vendor information for safety-related components is complete, current and controlled throughout the life of their plants, and appropriately referenced or incorporated in plant instructions and procedures. Vendors of safety-related equipment should be

contacted and an interface established. Where vendors cannot be identified, have gone out of business, or will not supply information, the licensee or applicant shall assure that sufficient attention is paid to equipment maintenance, replacement, and repair, to compensate for the lack of vendor backup, to assure reliability commensurate with its safety function (GDC-1). The program shall be closely coupled with action 2.2.1 above (equipment qualification). The program shall include periodic communication with vendors to assure that all applicable information has been received. The program should use a system of positive feedback with vendors for mailings containing technical information. This could be accomplished by licensee acknowledgement for receipt of technical mailings. It shall also define the interface and division of responsibilities among the licensee and the nuclear and non-nuclear divisions of their vendors that provide service on safety-related equipment to assure that requisite control of and applicable instructions for maintenance work on safety-related equipment are provided.

Response: This item is addressed in our response to Item 2.1 of the generic letter.

3.1 POST-MAINTENANCE TESTING (REACTOR TRIP SYSTEM COMPONENTS)

PSE&G developed a program to assess and upgrade post-maintenance testing requirements for all safety-related equipment; i.e., there was not a separate program for RTS components. Our July 22, 1983 letter identifies those previous letters that describe our programs addressing this issue.

3.2 POST-MAINTENANCE TESTING (ALL OTHER SAFETY-RELATED COMPONENTS)

See our response to Item 3.1.

4.1 REACTOR TRIP SYSTEM RELIABILITY (VENDOR-RELATED MODIFICATIONS)

Our letter of July 22, 1983 identifies the letters that respond to this action.

4.2 REACTOR TRIP SYSTEM RELIABILITY (PREVENTATIVE MAINTENANCE AND SURVEILLANCE PROGRAM FOR REACTOR TRIP BREAKERS)

Our letter of July 22, 1983 provided the requested information.

4.3 REACTOR TRIP SYSTEM RELIABILITY (AUTOMATIC ACTUATION OF SHUNT TRIP ATTACHMENT FOR WESTINGHOUSE AND B&W)

This item is addressed in our letter of July 15, 1983.

4.5 REACTOR TRIP SYSTEM RELIABILITY (SYSTEM FUNCTIONAL TESTING)

Our letter of July 22, 1983 provided the requested information.

ENCLOSURE 1

POST TRIP REVIEW (DATA AND INFORMATION CAPABILITY)

The Salem Units have an existing sequence of events program within the plant computer. The sequence of events routine is initiated by a change in state of any of the inputs which have been designated points within the sequence of events program. (See Enclosure 2).

Upon the receipt of an input change that has been designated a sequence of events input, the plant computer assigns 18 locations in memory where it stores the status of the change of state for any changing sequence of events points. The time interval of the occurence from the initiating event in cycles or in 16.6 millisecond intervals is also stored. If the number of events is less than or equal to the buffer memory size the events will be printed out 1 minute after the initiating event in chronological order. (Refer to Enclosure 3 for sample sequence of events format). If more events occur than can be stored in the memory buffer area the print out is generated immediately after the buffer locations are filled so that memory space is available for additional changing sequence of events inputs.

The plant computer is powered from an inverter which receives its power from a battery charger fed by the "A" 230 volt vital bus. The "A" bus 125 volt dc battery system is floating on the charger and will automatically feed the inverter in the event the battery charger fails. A manual transfer for a direct feed from the 230 volt vital "B" bus is also available if the inverter were to fail.

A hard copy of a sequence of events printing is available from one of three printers. If the normal printer fails the sequence will be printed on the secondary printer and if both the normal and secondary printer fail the sequence will be printed on a third printer. The computer also stores the last sequence printing which may be recalled and printed if required. The storage capability is only that of the last inputed 18 storage locations.

A general list of plant parameters monitored by the sequence of events routine is given below. A detailed list of each point is also provided in Enclosure 2.

Reactor coolant loop low tavg, (each loop).
Reactor coolant loop low flow, (each loop).
Steam generator low flow, (each steam generator).
Steam generator hi flow, (each steam generator).
Steam line low pressure, (each steam line).
Steam generator low level, (each steam generator).
Steam generator low low level, (each steam generator).
Pressurizer

Pressurizer low level.
Neutron flux hi Q, (each range, ie power, intermediate, source).
Neutron flux low Q, (power range).
Turbine vacuum.
Turbine hydraulic oil low pressure.
Steam line high differential pressure, (each steam line).
Pressurizer high pressure.
Pressurizer low pressure.
Containment high pressure.
Turbine bearing oil pressure.
Turbine thrust bearing oil pressure.
Reactor coolant loop overtemp delta T, (each loop).
Reactor coolant loop overpower delta T, (each loop).
Reactor coolant pump bus undervoltage, (each pump).
Reactor coolant pump bus underfrequency, (each pump).
Turbine stop valve position, (all 4 valves).
Reactor coolant pump breaker positions, (all pumps).
Steam generator low level and low feedwater, (all steam generators).
Manual safety injection switch.
Turbine trip.
Condensate pumps trip, (all pumps).
13 Aux feedwater pump turbine stop valve position.
Steam generator feed pumps main steam stop valve position, (both pumps).
Aux feedwater pumps start & trip, (both motor driven pumps).
13 kv breaker open, (all breakers).
Power range hi Q rate.
Manual reactor trip switches.
Reactor trip breaker positions, (both breakers).
Reactor trip bypass breaker positions, (both breakers).

The Salem Units are also equipped with continous recording strip chart recorders for use in assessing time history of analog variables. Those variables which are recorded are:

Reactor coolant hot leg and cold leg temperatures, (all loops).
Steam generator steam flow, (all steam generators).
Steam generator feedwater flow, (all steam generators).
Steam generator level (narrow range & wide range all steam generators).
Pressurizer level.
Pressurizer pressure.
Neutron flux, (each range ie power, intermediate source).
Turbine vacuum pressure.
Containment pressure, (wide range & narrow range).
Reactor coolant delta T, (loop selectable).
Reactor overpower.

All of the above recorders are powered from a class 1E source except the Turbine Vacuum pressure recorder which is powered from a non vital source.

ENCLOSURE 2

SEQUENCE OF EVENTS POINTS

3D /8F/

ST ALL(A) OR CK BCCI(B)? A (Identified by vertical bars in margin)

```
0098D  CONTROL AND SD ROD  BCCI
   NOT SEQ OF EVENT;ALM(1)=MOVE  , NORM(0)=NTMOVE
0099D  POSITON ROD   CCI
   NOT SEQ OF EVENT;ALM(1)=NTDROP, NORM(0)=DROP
0400D  21 RCL LO F 1 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0401D  21 RCL LO F 2 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0402D  21 RCL LO F 3 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0403D  RCL LO FLOW +P8 REACTOR  BCCI
   SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
0404D  21 STM GEN LO F 1 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0405D  21 STM GEN LO F 2 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0406D  21 STM LNE HI F 1 SI PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0407D  21 STM LNE HI F 2 SI PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0408D  21 RCL LO TAVG PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0409D  21 STM LNE LO P PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0420D  22 RCL LO F 1 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0421D  22 RCL LO F 2 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0422D  22 RCL LO F 3 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0423D  RCL LO FLOW +P7 REACTOR  BCCI
   SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
0424D  22 STM GEN LO F 1 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
0425D  22 STM GEN LO F 2 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
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BD /8F/

 IST ALL(A) OR CK BCCI(B)? A

 00098D  CONTROL AND SD ROD  BCCI
    NOT SEQ OF EVENT;ALM(1)=MOVE  , NORM(0)=NTMOVE
 00099D  POSITON ROD   CCI
    NOT SEQ OF EVENT;ALM(1)=NTDROP, NORM(0)=DROP
F0400D  21 RCL LO F 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0401D  21 RCL LO F 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0402D  21 RCL LO F 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0403D  RCL LO FLOW +P8 REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
F0404D  21 STM GEN LO F 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0405D  21 STM GEN LO F 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0406D  21 STM LNE HI F 1 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0407D  21 STM LNE HI F 2 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
 0408D  21 RCL LO TAVG PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0409D  21 STM LNE LO P PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0420D  22 RCL LO F 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0421D  22 RCL LO F 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
 0422D  22 RCL LO F 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0423D  RCL LO FLOW +P7 REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
 0424D  22 STM GEN LO F 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0425D  22 STM GEN LO F 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0426D  22 STM LNE HI F 1 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
 0427D  22 STM LNE HI F 2 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0428D  22 RCL LO TAVG PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0429D  22 STM LNE LO P PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
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F0440D  23 RCL LO F 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0441D  23 RCL LO F 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0442D  23 RCL LO F 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0443D  SPARE BISTBLE  BCCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
F0444D  23 STM GEN LO F 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0445D  23 STM GEN LO F 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0446D  23 STM LNE HI F 1 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0447D  23 STM LNE HI F 2 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0448D  23 RCL LO TAVG PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0449D  23 STM LNE LO P PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0460D  24 RCL LO F 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0461D  24 RCL LO F 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0462D  24 RCL LO F 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0463D  SPARE BISTBLE  BCCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
F0464D  24 STM GEN LO F 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0465D  24 STM GEN LO F 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0466D  24 STM LNE HI F 1 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0467D  24 STM LNE HI F 2 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0468D  24 RCL LO TAVG PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0469D  24 STM LNE LO P PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0490D  STM LNE HI F SI TRP BLK A  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=SET    , NORM(0)=RESET
F0493D  STM LNE HI FLOW SI REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
F0494D  STM LNE HI F SI TRP BLK B  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
F0495D  PWR RNG 1 P8 PRT PRM  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=RESET , NORM(1)=SET
F0496D  PWR RNG 2 P8 PRT PRM  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=RESET , NORM(1)=SET
F0497D  PWR RNG 3 P8 PRT PRM  BCCI
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    SEQ OF EVENT=ALM ONL      ;ALM(1)=RESET , NORM(1)=SET
 0498D  PWR RNG 4 P8 PRT PRM  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=RESET , NORM(1)=SET
 0499D  PWR RNG P8 PRMSSVE  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=RESET , NORM(0)=SET
L0400D  21 STM GEN LO LVL 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
 0401D  21 STM GEN LO LVL 4 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
 0403D  21 STM GEN LO LO L 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0404D  21 STM GEN LO LO L 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0405D  21 STM GEN LO LO L 4 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0406D  21 STM GEN LO LO L REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
L0420D  22 STM GEN LO LVL 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0421D  22 STM GEN LO LVL 4 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0423D  22 STM GEN LO LO L 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0424D  22 STM GEN LO LO L 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0425D  22 STM GEN LO LO L 4 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0426D  22 STM GEN LO LO L REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
L0440D  23 STM GEN LO LVL 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0441D  23 STM GEN LO LVL 4 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0443D  23 STM GEN LO LO L 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0444D  23 STM GEN LO LO L 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0445D  23 STM GEN LO LO L 4 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0446D  23 STM GEN LO LO L REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
L0460D  24 STM GEN LO LVL 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0461D  24 STM GEN LO LVL 4 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0463D  24 STM GEN LO LO L 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0464D  24 STM GEN LO LO L 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
L0465D  24 STM GEN LO LO L 4 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
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0466D  24 STM GEN LO LO L REACTOR  BCCI
   SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
0480D  PRESSZR HI LVL 1 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
0481D  PRESSZR HI LVL 2 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
0482D  PRESSZR HI LVL 3 PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
0483D  PRESSZR HI LVL REACTOR  BCCI
   SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
0484D  PRESSZR LO LVL 1 SI PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
0485D  PRESSZR LO LVL 2 SI PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
0486D  PRESSZR LO LVL 3 SI PRT TRP  BCCI
   SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
2000D  SPARE CCI   CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
2001D  OIL RESVOIR HI LVL AND TRIP   CCI
   NOT SEQ OF EVENT;ALM(1)=OFF    , NORM(0)=ON
2002D  OIL RESVOIR LO LVL AND TRIP   CCI
   NOT SEQ OF EVENT;ALM(1)=OFF    , NORM(0)=ON
2010D  SPARE CCI   CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
2011D  SPARE CCI   CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
2200D  SEC 2A ACCIDNT LOAD   CCI
   NOT SEQ OF EVENT;ALM(1)=SET    , NORM(0)=RESET
2201D  SEC 2A BLCKOUT LOAD   CCI
   NOT SEQ OF EVENT;ALM(1)=SET    , NORM(0)=RESET
2202D  SEC 2A BLCKOUT ACCIDNT LOAD   CCI
   NOT SEQ OF EVENT;ALM(1)=SET    , NORM(0)=RESET
2203D  SEC 2A ACCIDNT BUS UNDER V   CCI
   NOT SEQ OF EVENT;ALM(1)=SET    , NORM(0)=RESET
2204D  SEC 2B ACCIDNT LOAD   CCI
   NOT SEQ OF EVENT;ALM(1)=SET    , NORM(0)=RESET
2205D  SEC 2B BLCKOUT LOAD   CCI
   NOT SEQ OF EVENT;ALM(1)=SET    , NORM(0)=RESET
2206D  SEC 2B BLCKOUT ACCIDNT LOAD   CCI
   NOT SEQ OF EVENT;ALM(1)=SET    , NORM(0)=RESET
2207D  SEC 2B ACCIDNT BUS UNDER V   CCI
   NOT SEQ OF EVENT;ALM(1)=SET    , NORM(0)=RESET
2208D  SEC 2C ACCIDNT LOAD   CCI
   NOT SEQ OF EVENT;ALM(1)=SET    , NORM(0)=RESET
2209D  SEC 2C BLCKOUT LOAD   CCI
   NOT SEQ OF EVENT;ALM(1)=SET    , NORM(0)=RESET
2210D  SEC 2C BLCKOUT ACCIDNT LOAD   CCI
   NOT SEQ OF EVENT;ALM(1)=SET    , NORM(0)=RESET
2211D  SEC 2C ACCIDNT BUS UNDER V   CCI
   NOT SEQ OF EVENT;ALM(1)=SET    , NORM(0)=RESET
2212D  SPARE CCI   CCI
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   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?213D  SPARE CCI    CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?214D  SPARE CCI    CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?215D  SPARE CCI    CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?216D  SPARE CCI    CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?217D  SPARE CCI    CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?230D  21B CNDENSR HOTWELL HI LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NT HI
?231D  22B CNDENSR HOTWELL HI LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NT HI
?250D  23B CNDENSR HOTWELL HI LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NT HI
?300D  SPARE CCI    CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?301D  SPARE CCI    CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?302D  SPARE CCI    CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?303D  SPARE CCI    CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?304D  SPARE CCI    CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?305D  SPARE CCI    CCI
   NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?306D  21 BLD STM RH COIL RTN TNK LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=LOW    , NORM(0)=NORMAL
?307D  22 BLD STM RH COIL RTN TNK LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=LOW    , NORM(0)=NORMAL
?320D  21B CNDENSR HOTWELL LO LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=LOW    , NORM(0)=NT LOW
?500D  21A CNDENSR HOTWELL HI LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NT HI
?501D  22A CNDENSR HOTWELL HI LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NT HI
?502D  23A CNDENSR HOTWELL HI LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NT HI
?503D  21A CNDENSR HOTWELL LO LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=LOW    , NORM(0)=NT LOW
?504D  22A CNDENSR HOTWELL LO LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=LOW    , NORM(0)=NT LOW
?505D  23A CNDENSR HOTWELL LO LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=LOW    , NORM(0)=NT LOW
?520D  22B CNDENSR HOTWELL LO LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=LOW    , NORM(0)=NT LOW
?521D  23B CNDENSR HOTWELL LO LVL    CCI
   NOT SEQ OF EVENT;ALM(1)=LOW    , NORM(0)=NT LOW
?700D  SPARE CCI    CCI
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    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?701D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?720D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?858D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?862D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?866D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?867D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?868D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=NORMAL, NORM(0)=LOW
?869D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?870D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?871D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?872D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?873D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?874D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?875D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
?0001D  PWR RNG CHAN 1 HI Q PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
?0002D  PWR RNG CHAN 2 HI Q PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
?0003D  PWR RNG CHAN 3 HI Q PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
?0004D  PWR RNG CHAN 4 HI Q PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
?0005D  PWR RNG CHAN HI Q REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
?0006D  PWR RNG CHAN 1 LO Q PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
?0007D  PWR RNG CHAN 2 LO Q PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
?0008D  PWR RNG CHAN 3 LO Q PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
?0009D  PWR RNG CHAN 4 LO Q PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
?0010D  PWR RNG CHAN LO Q REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
?0011D  PWR RNG 1 P10 PRT PRM  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=RESET , NORM(1)=SET
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N0012D  PWR RNG 2 P10 PRT PRM  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=RESET , NORM(1)=SET
N0013D  PWR RNG 3 P10 PRT PRM  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=RESET , NORM(1)=SET
N0014D  PWR RNG 4 P10 PRT PRM  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=RESET , NORM(1)=SET
N0015D  PWR RNG LO Q 1 TRP BLK  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=SET   , NORM(0)=RESET
N0016D  PWR RNG LO Q 2 TRP BLK  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=SET   , NORM(0)=RESET
N0017D  SPARE CCI   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
N0020D  INTERM RNGE 1 HI Q REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
N0021D  INTERM RNGE 2 HI Q REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
N0022D  INTERM RNGE HI Q 1 TRP BLK  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
N0023D  INTERM RNGE HI Q 2 TRP BLK  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
N0024D  INTERM RNGE HI Q REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
N0030D  SOURCE RNGE 1 HI Q REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
N0031D  SOURCE RNGE 2 HI Q REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
N0032D  P6 TRP BLK PRT PRM 1  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=RESET , NORM(1)=SET
N0033D  P6 TRP BLK PRT PRM 2  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=RESET , NORM(1)=SET
N0034D  SOURCE RNGE HI Q 1 TRP BLK  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=RESET , NORM(1)=SET
N0035D  SOURCE RNGE HI Q 2 TRP BLK  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=RESET , NORM(1)=SET
N0036D  SOURCE RNGE HI Q REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
N0040D  IN CORE MOV THM A 1 H15   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
N0041D  IN CORE MOV THM A 2 K02   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
N0042D  IN CORE MOV THM A 3 L10   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
N0043D  IN CORE MOV THM A 4 P04   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
N0044D  IN CORE MOV THM A 5 H06   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
N0045D  IN CORE MOV THM A 6 D12   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
N0046D  IN CORE MOV THM A 7 B06   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
N0047D  IN CORE MOV THM A 8 E09   CCI
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    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
 48D  IN CORE MOV THM A 9 H03   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
049D  IN CORE MOV THM A 10 L05    CCI
    NO  SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
050D  IN CORE MOV THM B 1 D10   CCI
    NO  SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
051D  IN CORE MOV THM B 2 A11   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
052D  IN CORE MOV THM B 3 K06   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
053D  IN CORE MOV THM B 4 F01   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
054D  IN CORE MOV THM B 5 F07   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
055D  IN CORE MOV THM B 6 R06   CCI
    NO  SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
056D  IN CORE MOV THM B 7 N14   CCI
    NO  SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
057D  IN CORE MOV THM B 8 N02   CCI
    NO  SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
058D  IN CORE MOV THM B 9 H13   CCI
    NO  SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
059D  IN CORE MOV THM B 10 E11    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
060D  IN CORE MOV THM C 1 G09   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
061D  IN CORE MOV THM C 2 R08   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
062D  IN CORE MOV THM C 3 C05   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
063D  IN CORE MOV THM C 4 B13   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
064D  IN CORE MOV THM C 5 H11   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
065D  IN CORE MOV THM C 6 J14   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
066D  IN CORE MOV THM C 7 J01   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
067D  IN CORE MOV THM C 8 L08   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
 68D  IN CORE MOV THM C 9 F03   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
069D  IN CORE MOV THM C 10 E05    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
070D  IN CORE MOV THM D 1 J07   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
071D  IN CORE MOV THM D 2 R11   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
072D  IN CORE MOV THM D 3 B08   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
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N0073D  IN CORE MOV THM D 4 L13    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0074D  IN CORE MOV THM D 5 N04    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0075D  IN CORE MOV THM D 6 D14    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0076D  IN CORE MOV THM D 7 G05    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0077D  IN CORE MOV THM D 8 D03    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0078D  IN CORE MOV THM D 9 SPARE    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0079D  IN CORE MOV THM D 10 L11    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0080D  IN CORE MOV THM E 1 K12    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0081D  IN CORE MOV THM E 2 F14    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0082D  IN CORE MOV THM E 3 H04    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0083D  IN CORE MOV THM E 4 M07    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0084D  IN CORE MOV THM E 5 N13    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0085D  IN CORE MOV THM E 6 J08    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0086D  IN CORE MOV THM E 7 C07    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0087D  IN CORE MOV THM E 8 F08    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0088D  IN CORE MOV THM E 9 C08    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0089D  IN CORE MOV THM E 10 SPARE    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0090D  IN CORE MOV THM F 1 D08    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0091D  IN CORE MOV THM F 2 H02    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0092D  IN CORE MOV THM F 3 B03    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0093D  IN CORE MOV THM F 4 L15    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0094D  IN CORE MOV THM F 5 N06    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0095D  IN CORE MOV THM F 6 G12    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0096D  IN CORE MOV THM F 7 A09    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0097D  IN CORE MOV THM F 8 P09    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
N0098D  IN CORE MOV THM F 9 N08    CCI
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    NC  SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
P0099D  IN CORE MOV THM F 10 SPARE   CCI
    NC  SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
P0301D  TURBINE VACUUM TRIP RELAY  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=CLOSED, NORM(0)=OPEN
P0302D  SPARE BISTBLE  BCCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
P0303D  TURBINE AUTO STOP RESET RELAY   CCI
    NOT SEQ OF EVENT;ALM(1)=TRIP  , NORM(0)=NT TRP
P0396D  TURBINE HYD OIL LO P 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=SET   , NORM(0)=RESET
P0397D  TURBINE HYD OIL LO P 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=SET   , NORM(0)=RESET
P0398D  TURBINE HYD OIL LO P 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=SET   , NORM(0)=RESET
P0404D  21 STM LNE HI DP 1 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0405D  21 STM LNE HI DP 2 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0406D  21 STM LNE HI DP 4 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0407D  21 STM LNE HI DP SI REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
P0424D  22 STM LNE HI DP 1 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0425D  22 STM LNE HI DP 2 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0426D  22 STM LNE HI DP 3 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0427D  22 STM LNE HI DP SI REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
P0444D  23 STM LNE HI DP 2 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0445D  23 STM LNE HI DP 3 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0446D  23 STM LNE HI DP 1 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0447D  23 STM LNE HI DP SI REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
P0464D  24 STM LNE HI DP 4 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0465D  24 STM LNE HI DP 2 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0466D  24 STM LNE HI DP 1 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0467D  24 STM LNE HI DP SI REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
P0480D  PRESSZR HIGH P 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
P0481D  PRESSZR HIGH P 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
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P0482D  PRESSZR HIGH P 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P0483D  PRESSZR HI PRESS REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
P0484D  PRESSZR LO P 1 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P0485D  PRESSZR LO P 2 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P0486D  PRESSZR LO P 3 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P0487D  PRESSZR LO P 4 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P0488D  PRESSZR LO PRESS REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
P0489D  PRESSZR LO P 1 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P0490D  PRESSZR LO P 2 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P0491D  PRESSZR LO P 3 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P0492D  PRESSZR LO P 1 SI TRP PRT BLK  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=RESET , NORM(0)=SET
P0493D  PRESSZR LO P 2 SI TRP PRT BLK  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=RESET , NORM(0)=SET
P0494D  PRESSZR LO P 3 SI TRP PRT BLK  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=RESET , NORM(0)=SET
P0495D  PRESSZR LO P SI 1 TRP BLK  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P0496D  PRESSZR LO P SI 2 TRP BLK  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=SET    , NORM(0)=RESET
P0497D  PRESSZR HIGH P 4 PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P1000D  CONTAIN HIGH P 2 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P1001D  CONTAIN HIGH P 3 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P1002D  CONTAIN HIGH P 4 SI PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
P1003D  CONTAIN HI PRESS SI REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
P2000D  GLAND SEAL STEAM HDR PRESS   CCI
    NOT SEQ OF EVENT;ALM(1)=NORMAL, NORM(0)=LOW
P2002D  TURBINE BRG OIL PRESS  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=TRIP   , NORM(0)=NT TRP
P2003D  TURBINE THRUST BRG OIL PRESS  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=TRIP   , NORM(0)=NT TRP
P2004D  HP TURB CYLIND GOV HTG STM PRESS   CCI
    NOT SEQ OF EVENT;ALM(1)=LOW    , NORM(0)=NORMAL
P2007D  TURN GR DISENGD   CCI
    NOT SEQ OF EVENT;ALM(1)=NT OK , NORM(0)=OK
P2008D  TURN GR ENGAGED   CCI
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P2100D  HP TURB CYLIND GEN HTG STM PRESS    CCI
    NOT SEQ OF EVENT;ALM(1)=LOW    , NORM(0)=NORMAL
P2200D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
P2406D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
P2407D  DP SCRN WASH PUMP STRNR    CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NORMAL
P2408D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
P2410D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
P2600D  21 SGFP TURBINE EXHAUST VACUUM    CCI
    NOT SEQ OF EVENT;ALM(1)=LOW    , NORM(0)=NORMAL
P2601D  21 SGFP TURBINE OIL FLT DP    CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NORMAL
P2602D  22 SGFP TURBINE EXHAUST VACUUM    CCI
    NOT SEQ OF EVENT;ALM(1)=LOW    , NORM(0)=NORMAL
P2603D  22 SGFP TURBINE OIL FLT DP    CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NORMAL
P2610D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
P2702D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
P2703D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
P2900D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
P2901D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
P2902D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
P2903D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
T0400D  21 RCL OVERPWR DT PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
T0403D  21 RCL OVERTMP DT PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
T0420D  22 RCL OVERPWR DT PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
T0423D  22 RCL OVERTMP DT PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
T0440D  23 RCL OVERPWR DT PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
T0443D  23 RCL OVERTMP DT PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
T0460D  24 RCL OVERPWR DT PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
T0463D  24 RCL OVERTMP DT PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
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10498D  RCL OVERTMP DT REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
10499D  RCL OVERPWR DT REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
12600D  21 SGFP TURBINE EXH HD TEMP   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH  , NORM(0)=NORMAL
12601D  22 SGFP TURBINE EXH HD TEMP   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH  , NORM(0)=NORMAL
V0320D  21 RCP BUS UNDER V PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
V0321D  22 RCP BUS UNDER V PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
V0322D  23 RCP BUS UNDER V PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
V0323D  24 RCP BUS UNDER V PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
V0324D  RCP BUS UNDER V REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
V0351D  SPARE BISTBLE  BCCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y0001D  TRB PWR 1 P13 PRT PRM  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=RESET , NORM(1)=SET
Y0002D  TRB PWR 2 P13 PRT PRM  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=RESET , NORM(1)=SET
Y0003D  REACTOR TRB PWR P7 PRMSSVE  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=RESET , NORM(0)=SET
Y0004D  REACTOR MANUAL TRIP 2  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=TRIP  , NORM(1)=NT TRP
Y0005D  REACTOR MANUAL TRIP 1  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=TRIP  , NORM(1)=NT TRP
Y0006D  REACTOR MAIN TRIP BKR A  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=TRIP  , NORM(1)=NT TRP
Y0007D  REACTOR MAIN TRIP BKR B  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=TRIP  , NORM(1)=NT TRP
Y0008D  IN CORE TEMP COMPUTR   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
Y0026D  REACTOR TRIP AUX1 BKR A  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=TRIP  , NORM(1)=NT TRP
Y0027D  REACTOR TRIP AUX1 BKR B  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=TRIP  , NORM(1)=NT TRP
Y0035D  IN CORE MOV DET ALL DRV   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
Y0036D  IN CORE MOV DET AUTO   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
Y0037D  IN CORE MOV DET COMPUTR   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
Y0038D  IN CORE MOV DET SCAN  BCCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
Y0039D  IN CORE MOV DET RECORD  BCCI
    NOT SEQ OF EVENT;ALM(1)=SEL   , NORM(0)=NT SEL
Y0040D  IN CORE MOV DET A ON   CCI
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    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
 00041D  IN CORE MOV DET A CLBRATE   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
 00042D  IN CORE MOV DET A FOR B   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0043D  IN CORE MOV DET A RNGE 1   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0044D  IN CORE MOV DET A RNGE 2   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0045D  IN CORE MOV DET A RNGE 3   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0046D  IN CORE MOV DET A RNGE 4   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0047D  IN CORE MOV DET A RNGE 5   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0048D  IN CORE MOV DET A DRIVE   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0049D  IN CORE MOV DET A COM GRP   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0050D  IN CORE MOV DET B ON   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0051D  IN CORE MOV DET B CLBRATE   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0052D  IN CORE MOV DET B FOR C   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0053D  IN CORE MOV DET B RNGE 1   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0054D  IN CORE MOV DET B RNGE 2   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0055D  IN CORE MOV DET B RNGE 3   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0056D  IN CORE MOV DET B RNGE 4   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0057D  IN CORE MOV DET B RNGE 5   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0058D  IN CORE MOV DET B DRIVE   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0059D  IN CORE MOV DET B COM GRP   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
 0060D  IN CORE MOV DET C ON   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0061D  IN CORE MOV DET C CLBRATE   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0062D  IN CORE MOV DET C FOR D   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0063D  IN CORE MOV DET C RNGE 1   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
 0064D  IN CORE MOV DET C RNGE 2   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0065D  IN CORE MOV DET C RNGE 3   CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
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Y0066D  IN CORE MOV DET C RNGE 4    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0067D  IN CORE MOV DET C RNGE 5    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0068D  IN CORE MOV DET C DRIVE    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0069D  IN CORE MOV DET C COM GRP    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0070D  IN CORE MOV DET D ON    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0071D  IN CORE MOV DET D CLBRATE    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0072D  IN CORE MOV DET D FOR E    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0073D  IN CORE MOV DET D RNGE 1    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0074D  IN CORE MOV DET D RNGE 2    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0075D  IN CORE MOV DET D RNGE 3    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0076D  IN CORE MOV DET D RNGE 4    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0077D  IN CORE MOV DET D RNGE 5    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0078D  IN CORE MOV DET D DRIVE    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0079D  IN CORE MOV DET D COM GRP    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0080D  IN CORE MOV DET E ON    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0081D  IN CORE MOV DET E CLBRATE    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0082D  IN CORE MOV DET E FOR F    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0083D  IN CORE MOV DET E RNGE 1    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0084D  IN CORE MOV DET E RNGE 2    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0085D  IN CORE MOV DET E RNGE 3    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0086D  IN CORE MOV DET E RNGE 4    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0087D  IN CORE MOV DET E RNGE 5    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0088D  IN CORE MOV DET E DRIVE    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0089D  IN CORE MOV DET E COM GRP    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0090D  IN CORE MOV DET F ON    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0091D  IN CORE MOV DET F CLBRATE    CCI
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    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0092D  IN CORE MOV DET F FOR A    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0093D  IN CORE MOV DET F RNGE 1    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0094D  IN CORE MOV DET F RNGE 2    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0095D  IN CORE MOV DET F RNGE 3    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0096D  IN CORE MOV DET F RNGE 4    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0097D  IN CORE MOV DET F RNGE 5    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0098D  IN CORE MOV DET F DRIVE    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0099D  IN CORE MOV DET F COM GRP    CCI
    NOT SEQ OF EVENT;ALM(1)=SEL    , NORM(0)=NT SEL
Y0100D  21 CHARGE PUMP BREAKER    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y0101D  22 CHARGE PUMP BREAKER    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y0102D  23 CHARGE PUMP BREAKER    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y0103D  CHARGE SUCT MAKE UP ALT VA    CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y0104D  VOLUME CONTROL TANK MAKE UP VA    CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y0320D  21 RCL UNDER FREQ PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
Y0321D  22 RCL UNDER FREQ PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
Y0322D  23 RCP UNDER FREQ PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
Y0323D  24 RCP UNDER FREQ PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET    , NORM(0)=RESET
Y0324D  RCP BUS UNDER FREQ REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
Y0335D  UNIT ON LINE  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=OPEN   , NORM(1)=CLOSED
Y0390D  REACTOR TURBINE TRIP +P7  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
Y0391D  TURBINE STOP VA 21  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=NT CL , NORM(1)=CLOSED
Y0392D  TURBINE STOP VA 22  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=NT CL , NORM(1)=CLOSED
Y0393D  TURBINE STOP VA 23  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=NT CL , NORM(1)=CLOSED
Y0394D  TURBINE STOP VA 24  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=NT CL , NORM(1)=CLOSED
Y0400D  21 RCP BREAKER  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=CLOSED, NORM(1)=OPEN
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Y0401D  21 STM GEN LO LVL + LO FW REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
Y0402D  RWST LO LVL CHAN 1  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=LOW    , NORM(0)=NT LOW
Y0403D  21 STM GEN FW IN VA   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y0420D  22 RCP BREAKER  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=CLOSED, NORM(1)=OPEN
Y0421D  22 STM GEN LO LVL + LO FW REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
Y0422D  RWST LO LVL CHAN 2  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=LOW    , NORM(0)=NT LOW
Y0423D  22 STM GEN FW IN VA   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y0440D  23 RCP BREAKER  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=CLOSED, NORM(1)=OPEN
Y0441D  23 STM GEN LO LVL + LO FW REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
Y0442D  RWST LO LVL CHAN 3  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=LOW    , NORM(0)=NT LOW
Y0443D  23 STM GEN FW IN VA   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y0450D  25 VACUUM PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=TRIP   , NORM(0)=NT TRP
Y0460D  24 RCP BREAKER  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=CLOSED, NORM(1)=OPEN
Y0461D  24 STM GEN LO LVL + LO FW REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
Y0462D  RWST LO LVL CHAN 4  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=LOW    , NORM(0)=NT LOW
Y0463D  24 STM GEN FW IN VA   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y0480D  PRESSZR LO P SI REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
Y0499D  THERM BARRIER COOLING FLOW VA   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y0600D  21 RHR PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y0601D  22 RHR PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y0602D  21 COMP COOLING PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y0603D  22 COMP COOLING PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y0604D  23 COMP COOLING PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y0610D  22 VACUUM PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=TRIP   , NORM(0)=NT TRP
Y0920D  SI MANUAL TRIP 1  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP   , NORM(0)=NT TRP
Y0921D  SI MANUAL TRIP 2  BCCI
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    SEQ OF EVENT=ALM+RTN ;ALM(1)=TRIP   , NORM(0)=NT TRP
Y0922D  21 SAFETY INJECT PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y0923D  22 SAFETY INJECT PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y0924D  21 CONT SPRAY PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y0925D  22 CONT SPRAY PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y0930D  23 VACUUM PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=TRIP   , NORM(0)=NT TRP
Y1016D  21 TURBINE HYD OIL PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y1017D  21 AUX FW PUMP SUCT ALT VA   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y1018D  22 AUX FW PUMP SUCT ALT VA   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y1019D  23 AUX FW PUMP SUCT ALT VA   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y1044D  22 TURBINE HYD OIL PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y1045D  SPARE CCI   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y1054D  21 CONTAIN VNT FAN UNIT VIB   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NT HI
Y1055D  22 CONTAIN VNT FAN UNIT VIB   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NT HI
Y1056D  23 CONTAIN VNT FAN UNIT VIB   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NT HI
Y1057D  24 CONTAIN VNT FAN UNIT VIB   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NT HI
Y1058D  25 CONTAIN VNT FAN UNIT VIB   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH   , NORM(0)=NT HI
Y2003D  TURBINE TRIP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=TRIP   , NORM(0)=NT TRP
Y2004D  TURBINE TRIP CONSOLE  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=TRIP   , NORM(0)=NT TRP
Y2005D  TURBINE REMOTE EMERG TRIP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=TRIP   , NORM(0)=NT TRP
Y2006D  TURBINE LATCH   CCI
    NOT SEQ OF EVENT;ALM(1)=OFF    , NORM(0)=ON
Y2007D  SPARE BISTBLE  BCCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2008D  SPARE BISTBLE  BCCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2009D  SPARE BISTBLE  BCCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2111D  21W TURBINE BYPASS VA 31   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2112D  21W TURBINE BYPASS VA 33   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
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Y2113D  22W TURBINE BYPASS VA 35    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2114D  22W TURBINE BYPASS VA 37    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2115D  23W TURBINE BYPASS VA 39    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2116D  23W TURBINE BYPASS VA 41    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2117D  21E TURBINE BYPASS VA 31    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2118D  21E TURBINE BYPASS VA 33    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2119D  22E TURBINE BYPASS VA 35    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2120D  22E TURBINE BYPASS VA 37    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2121D  23E TURBINE BYPASS VA 39    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2122D  23E TURBINE BYPASS VA 41    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2123D  24 VACUUM PUMP    CCI
    NOT SEQ OF EVENT;ALM(1)=TRIP   , NORM(0)=NT TRP
Y2124D  TURBINE GEN EMERG BRG OIL PUMP    CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2125D  UNIT 1 PRIME TANK VA    CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y2150D  TURBINE HP SO BACKUP PUMP    CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2210D  21 & 22 FW HTR BYPASS VA    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2211D  21A HTR FW IN VA    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2214D  21B HTR FW IN VA    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2217D  21C HTR FW IN VA    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2230D  23-25 FW HTR BYPASS VA    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2231D  23A HTR FW IN VA    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2232D  26 FW HTR BYPASS VA    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2234D  23B HTR FW IN VA    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2237D  23C HTR FW IN VA    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2253D  21 FW HTR DRAIN PUMP    CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2256D  22 FW HTR DRAIN PUMP    CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2259D  23 FW HTR DRAIN PUMP    CCI
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    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2261D  26A FW HTR FW IN VA   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2264D  26B FW HTR FW IN VA   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2267D  26C FW HTR FW IN VA   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2270D  SPARE BISTBLE   CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y2401D  21A CIRC   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2402D  21B CIRC   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2403D  23A CIRC   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2404D  22B CIRC   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2405D  23A CIRC   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2406D  23B CIRC   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2409D  REACTOR HEAD VNT VLV 2RC40   CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y2410D  REACTOR HEAD VNT VLV 2RC43   CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y2411D  REACTOR HEAD VNT VLV 2RC41   CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y2412D  REACTOR HEAD VNT VLV 2RC42   CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y2413D  SPARE CCI   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2414D  SPARE CCI   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2451D  SPARE CCI   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2500D  21 CNDENST PUMP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=TRIP   , NORM(1)=START
Y2501D  22 CNDENST PUMP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=TRIP   , NORM(1)=START
Y2502D  23 CNDENST PUMP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=TRIP   , NORM(1)=START
Y2503D  21 VACUUM BREAKER VA   CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y2504D  22 VACUUM BREAKER VA   CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y2505D  23 VACUUM BREAKER VA   CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y2510D  SPARE CCI   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2511D  SPARE CCI   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2600D  23 AUX FW PUMP TURBINE STOP VA  BCCI
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SEQ OF EVENT=ALM+RT         CLOSED, NORM(1)=NT CL
Y2601D  BLOWDWN FLOW   CCI
    NOT SEQ OF EVENT;A  (1)          , NORM(0)=CLOSED
Y2602D  SPARE CCI   C
    NOT SEQ OF EVENT;          CLOSED, NORM(0)=OPEN
Y2603D  21 SGFP TURB      HRH STOP VA  BCCI
    SEQ OF EVENT=AL  ONLY ;ALM(1)=CLOSED, NORM(0)=NT CL
Y2604D  22 SGFP TURBINE MS STOP VA  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=CLOSED, NORM(0)=NT CL
Y2605D  21 AUX FW PUMP  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=TRIP   , NORM(1)=START
Y2606D  22 AUX FW PUMP  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(0)=TRIP   , NORM(1)=START
Y2607D  21 BLD STM COIL DRN TNK PU BRKR   CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y2608D  22 BLD STM COIL DRN TNK PU BRKR   CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y2609D  22 SGFP TURBINE HRH STOP VA  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=CLOSED, NORM(0)=NT CL
Y2610D  21 SGFP TURBINE MS STOP VA  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=CLOSED, NORM(0)=NT CL
Y2611D  22 SGFP TURBINE INB BRG VIB   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH  , NORM(0)=NT HI
Y2612D  22 SGFP TURBINE OUT BRG VIB   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH  , NORM(0)=NT HI
Y2614D  21 SGFP TURBINE INB BRG VIB   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH  , NORM(0)=NT HI
Y2615D  21 SGFP TURBINE OUT BRG VIB   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH  , NORM(0)=NT HI
Y2620D  21 SGFP TURBINE OUT BRG EXCENTY   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH  , NORM(0)=NT HI
Y2621D  22 SGFP TURBINE OUT BRG EXCENTY   CCI
    NOT SEQ OF EVENT;ALM(1)=HIGH  , NORM(0)=NT HI
Y2700D  25 SVC WTR PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2701D  26 SVC WTR PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2702D  23 SVC WTR PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2703D  24 SVC WTR PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2704D  21 SVC WTR PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2705D  22 SVC WTR PUMP   CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2800D  2E 4KV GROUP BUS 21ESD BREAKER   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2802D  3 UNIT 13KV BREAKER   CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2803D  2 STA A        ES   CCI
    NOT SEQ                    START , NORM(0)=TRIP
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Y2804D 2 51A AIR COMPRES AUTO CCI
    NOT SEQ OF EVENT;ALM(1)=OFF , NORM(0)=ON
Y2805D 2C EMERG DIESEL CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2806D BUS SEC 2-3 13KV BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2808D SPARE CCI CCI
    NOT SEQ OF EVENT;ALM(1)=ON , NORM(0)=OFF
Y2809D EXCITER FIELD BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2810D BS 3-4 13KV BREAKER BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=OPEN , NORM(1)=CLOSED
Y2811D BS 4-5 13KV BREAKER BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=OPEN , NORM(1)=CLOSED
Y2812D BS 5-6 13KV BREAKER BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=OPEN , NORM(1)=CLOSED
Y2813D BS 6-1 13KV BREAKER BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=OPEN , NORM(1)=CLOSED
Y2814D SPARE BISTBLE BCCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2815D SPARE BISTBLE BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(0)=OPEN , NORM(1)=CLOSED
Y2816D GEN EXCTATN TRIP CCI
    NOT SEQ OF EVENT;ALM(1)=TRIP , NORM(0)=NT TRP
Y2819D 2A VITAL BUS 21ASD BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2820D 2A VITAL BUS 22ASD BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2821D 2B VITAL BUS 21BSD BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2822D 2B VITAL BUS 22BSD BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2823D 2C VITAL BUS 21CSD BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2824D 2C VITAL BUS 22CSD BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2825D 2A EMERG DIESEL CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2826D 2B EMERG DIESEL CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2827D 2F 4KV GROUP BUS 2BFGD BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2828D 2F 4KV GROUP BUS 22FSD BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2829D 2G 4KV GROUP BUS 2BGGD BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2830D 2G 4KV GROUP BUS 22GSD BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2832D 2H 4KV GROUP BUS 2AHGD BREAKER CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2833D 2H 4KV GROUP BUS 21HSD BREAKER CCI

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    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2834D  2E 4KV GROUP BUS 2AEGD BREAKER    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2835D  2A4D 460/230 TRNSFMR BREAKER    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2836D  2B4D 460/230 TRNSFMR BREAKER    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2837D  2C4D 460/230 TRNSFMR BREAKER    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2900D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2901D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2902D  UNIT 2 PRIME TANK VA    CCI
    NOT SEQ OF EVENT;ALM(1)=NT CL , NORM(0)=CLOSED
Y2903D  UNIT 1 CNDENST VA    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=NT CL
Y2904D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2905D  SPARE CCI    CCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y2910D  2 EMERG CONTROL AIR CMP    CCI
    NOT SEQ OF EVENT;ALM(1)=START , NORM(0)=TRIP
Y2912D  2 EMERG CONTROL AIR CMP AUTO    CCI
    NOT SEQ OF EVENT;ALM(1)=OFF   , NORM(0)=ON
Y3000D  ANNUNC LOSS OF AC    CCI
    NOT SEQ OF EVENT;ALM(1)=TRBL  , NORM(0)=NOTRBL
Y3001D  ANNUNC LOSS OF DC    CCI
    NOT SEQ OF EVENT;ALM(1)=TRBL  , NORM(0)=NOTRBL
Y3002D  ANNUNC SYSTEM GRND    CCI
    NOT SEQ OF EVENT;ALM(1)=TRBL  , NORM(0)=NOTRBL
Y8000D  OPERTOR CONSOLE KEY SWITCH    CCI
    NOT SEQ OF EVENT;ALM(1)=ON    , NORM(0)=OFF
Y9031D  PWR RNG CHAN HI Q RATE REACTOR  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=TRIP  , NORM(0)=NT TRP
Y9032D  PWR RNG CHAN 1 HI Q RATE PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
Y9033D  PWR RNG CHAN 2 HI Q RATE PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
Y9034D  PWR RNG CHAN 3 HI Q RATE PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
Y9035D  PWR RNG CHAN 4 HI Q RATE PRT TRP  BCCI
    SEQ OF EVENT=ALM ONLY ;ALM(1)=SET   , NORM(0)=RESET
Y9036D  SPARE BISTBLE  BCCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
Y9037D  RWST SI INTRLCK  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=SET   , NORM(0)=RESET
Y9038D  RWST SWOVER SEQ TRIP  BCCI
    SEQ OF EVENT=ALM+RTN  ;ALM(1)=SET   , NORM(0)=RESET
Y9039D  SPARE BISTBLE  BCCI
    NOT SEQ OF EVENT;ALM(1)=CLOSED, NORM(0)=OPEN
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ENCLOSURE 3

SAMPLE SEQUENCE OF EVENTS PRINTOUT

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        SEQ OF EVENTS AT 10:36:36
CYCLES → 0090* P0483D=1 PRESSZR HI PRESS REACTOR TRIP ← TRIP INITIATED
         0000* P0480D=1 PRESSZR HIGH P 1 PRT TRP SET
         0000* P0481D=1 PRESSZR HIGH P 2 PRT TRP SET
         0007* Y2003D=1 TURBINE TRIP TRIP
CYCLES → 0097* Y0006D=0 REACTOR MAIN TRIP BKR A TRIP ← BKR A OPENE
         0251C P0483D=0 PRESSZR HI PRESS REACTOR HI TRP
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BREAKER "A" OPENED = IN 7 CYCLES OR 116 MILLISECONDS.