

****MEMORANDUM****

TO: Public Docket Room

FROM: Lawrence T. Doerflin, Chief
Systems Branch

Lawrence T. Doerflin 7/18/01

SUBJECT: E-MAIL CORRESPONDENCE BETWEEN NRC AND RGE FROM JUNE 12 TO
JUNE 29, 2001

Attached to this memo are a series of email correspondence that took place between the NRC and Rochester Gas and Electric (RGE) personnel from the R.E. Ginna Nuclear Power Plant between June 12 to June 29, 2001. The information contained within these e-mails was used during the course of an NRC baseline inspection, which will be documented in NRC inspection report 05000244/2001005.

- Attachments:
1. June 12, 2001 Email From NRC To RGE, Subject: Loss of SW SDP
 2. June 13, 2001 Email From RGE To NRC, Subject: Loss of SW SDP
 3. June 18, 2001 Email From NRC To RGE, Subject: Loss of SW SDP
 4. June 22, 2001 Email From RGE To NRC, Subject: NRC Questions
 5. June 29, 2001 Email From RGE To NRC, Subject: Loss of SW SDP

ATTACHMENT 1
June 12, 2001 Email From NRC To RGE, Subject: Loss of SW SDP

Mail Envelope Properties

(3B266CAB.8A6 : 10 : 35430)

Subject: Re: Loss of SW SDP
Creation Date: 6/12/01 3:25PM
From: Wayne Schmidt

Created By: WLS@nrc.gov

Recipients

nrc.gov

kp1_po.KP_DO

AXL CC (Alfred Lohmeier)

FJA CC (Frank Arner)

GWM2 CC (George Morris)

MCM CC (Michael Modes)

PDK CC (Paul Kaufman)

SMP CC (Stephen Pindale)

rge.com

Thomas_Harding (Thomas_Harding@rge.com)

Post Office

kp1_po.KP_DO

Route

nrc.gov

rge.com

Files

MESSAGE

Size

5965

Date & Time

06/12/01 03:25PM

Options

Expiration Date: None

Priority: Standard

Reply Requested: No

Return Notification: None

Concealed Subject: No

Security: Standard

From: Wayne Schmidt
To: Thomas_Harding@rge.com
Date: 6/12/01 3:25PM
Subject: Re: Loss of SW SDP

Hi Tom - just a few thoughts from a team meeting we had today.

- 1) We would like to know the basis for the operator failure rates quoted in the previous e-mail.
- 2) We are unable to find a procedure that directs the use of the city water to SAFW following a LOSW if the CST is not depleted. (i.e., no step in ATT-5.1 to verify the availability of the SW suction source or lineup city water)
- 3) The loss of IA procedure does cross tie to SA - so feed and bleed appear to apply.
- 4) Is there a cross tie from city water to the firemain in the IB, if so what directs its use?

>>> <Thomas_Harding@rge.com> 06/08/01 02:09PM >>>
FYI, here is a little more info from Mark. Both of us will be unavailable on Monday, and Mark will also be gone Wed. through Friday. Tuesday is good for both of us.

----- Forwarded by Thomas Harding/NOG/RG&E on 06/08/2001
02:07 PM -----

Mark Flaherty
06/08/2001 01:00 PM

To: Thomas Harding/NOG/RG&E@RG&E
cc:

Subject: Loss of SW SDP

Since I will only be in the office on Tues next week, I performed an additional review of the SDP as sent by the NRC on 12/29/00 related to the loss of SW procedure issue identified in the NRC inspection. Based on this, I would like to offer the following:

Event Tree 10 (LSSW) is missing all feed and bleed (F&B) functions. This apparently was done on the premise that F&B requires SI, PORVs, and all supporting functions. SI has no SW dependencies as described in the PSA Final Report (Section 6.17.4.d) and the Ginna UFSAR (Section 6.3.2.2.2.1). At the time the event trees were being developed, there was some question about whether the PORVs, on nitrogen only, was sufficient for F&B. RG&E agreed that it was not and the PSA now requires IA in addition to nitrogen for F&B purposes. Table 2 of the 12/29/00 SDP identifies through Note 8 that the Service Air compressor is air cooled and does not require SW. Therefore, F&B should be

considered for the LSSW event tree (and for the for loss of CCW tree). I would imagine this would have a large effect on the results. The SDP Worksheet for loss of SW (Table 3.12) identifies a failure rate of 0.1 for the operators to align city water to the SAFW system and to provide fire water to the TDAFW lube oil cooler. The PSA currently uses $1.00E-02$ and $6.70E-03$ for these events, respectively (or at least one order of magnitude lower). However, the following things should be pointed out:

If all SW is lost, then fire water to the TDAFW pump is likely lost since they take suction from a similar location. City water to SAFW would remain available since this is a different source. The PSA reflects this by the fact that event SWCXXSUCTN, TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION fails both SW and the fire water pumps. This event forms the basis for most of the frequency of losing all SW as an initiator (versus the random failure of 4 SW pumps). The PSA operator failure rates are based on losing all AFW at the start of the transient. If the TDAFW pump runs for 2 hours before failing, there is a lot of additional time before SG tube uncover that would lead to a more likely operator success.

I hope these help.

CC: GINNASSDI

ATTACHMENT 2

June 13, 2001 Email From RGE To NRC, Subject: Loss of SW SDP

Mail Envelope Properties

(3B276D56.8F8 : 13 : 6392)

Subject: Re: Loss of SW SDP
Creation Date: 6/13/01 9:39AM
From: <Thomas_Harding@rge.com>
Created By: Thomas_Harding@rge.com

Recipients

nrc.gov
kp1_po.KP_DO
WLS (Wayne Schmidt)

Post Office
kp1_po.KP_DO

Route
nrc.gov

Files	Size	Date & Time
MESSAGE	1557	06/13/01 09:39AM
3-16-4-1.1	26167	
Header	1004	

Options

Expiration Date: None
Priority: Standard
Reply Requested: No
Return Notification: None

Concealed Subject: No
Security: Standard

From: <Thomas_Harding@rge.com>
To: "Wayne Schmidt" <WLS@nrc.gov>
Date: 6/13/01 9:41AM
Subject: Re: Loss of SW SDP

- 1) I'm e-mailing the info that Mark provided, any detailed discussion of this should probably wait until next week.
- 2) The lineup is controlled by ER-AFW.1, which is entered from about a bazillion EOPs. I'll assume that you still have a copy of this. The procedure is intended to give the Operators many options in getting water into the steam generators. To some degree you need to rely on RO/SRO training.
- 3) no response requested.
- 4) I attached procedure SC-3.16.4.1 (it's in WordPerfect). This procedure is utilized by Operations anytime there is major maintenance of the fire system (like today!).
(See attached file: 3-16-4-1.1)

"Wayne Schmidt" <WLS@nrc.gov> on 06/12/2001 03:25:31 PM

To: <Thomas_Harding@rge.com>
cc: "Alfred Lohmeier" <AXL@nrc.gov>, "Frank Arner" <FJA@nrc.gov>, "George Morris" <GWM2@nrc.gov>, "Michael Modes" <MCM@nrc.gov>, "Paul Kaufman" <PDK@nrc.gov>, "Stephen Pindale" <SMP@nrc.gov>

Subject: Re: Loss of SW SDP

Hi Tom - just a few thoughts from a team meeting we had today.

- 1) We would like to know the basis for the operator failure rates quoted in the previous e-mail.
- 2) We are unable to find a procedure that directs the use of the city water to SAFW following a LOSW if the CST is not depleted. (i.e., no step in ATT-5.1 to verify the availability of the SW suction source or lineup city water)
- 3) The loss of IA procedure does cross tie to SA - so feed and bleed appear

to apply.

4) Is there a cross tie from city water to the firemain in the IB, if so what directs its use?

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER _____

PROCEDURE NO. SC-3.16.4.1

REV. NO. 9

CROSS TIE OF DOMESTIC WATER SUPPLY TO FIRE SERVICE WATER SYSTEM

RESPONSIBLE MANAGER

EFFECTIVE DATE

GINNA STATION UNIT #1 COMPLETED
DATE: TIME:

CATEGORY 1.0

REVIEWED BY: _____

THIS PROCEDURE CONTAINS 7 PAGES

SC-3.16.4.1

CROSS TIE OF DOMESTIC WATER SUPPLY TO FIRE SERVICE WATER SYSTEM

1.0 PURPOSE

- 1.1 To provide adequate water supplies to the on-site fire service water system header in the event of a loss of the Electric and Diesel Fire Pumps or as directed by the Site Fire Protection Engineer/Designee and Shift Supervisor.
- 1.2 To provide instructions to site personnel regarding the proper method of completing the cross connection.
- 1.3 To prevent cross contamination between the on-site fire service water system and the potable domestic water system supplied by the Ontario Water Authority.

2.0 REFERENCES

- 2.1 GAI Drawing # D-381-301.
- 2.2 GAI Drawing # D-381-302.

3.0 INSTRUCTIONS

- 3.1 Obtain permission from Shift Supervisor to perform this procedure. _____
- 3.1.1 Contact Maintenance and Fire Protection and Safety for equipment and support.
- 3.2 At Domestic Hydrant #7 remove both 2.5" discharge caps. Tighten large discharge cap. _____
- 3.2.1 Open hydrant fully and allow a full flow of water to flush main of any foreign matter. _____
- 3.2.2 Shut down hydrant and place a 2.5" gate valve on each discharge port, then connect approximately 100' of 3" fire hose to each gate valve. _____

NOTE All connections to yard hydrants shall utilize gated valve devices for quick isolation and personnel safety purposes.

SC-3.16.4.1: 3
Rev. 9

- 3.2.3 Route hose to wall valve #5158. Place back flow protectors on each input point. Be sure flow of water is from yard hydrant to wall hydrant. _____
 - 3.2.4 Connect fire hose to back flow protectors. _____
 - 3.2.5 Open hydrant #7 slowly and completely. _____
 - 3.2.6 Open hydrant gate valves slowly and completely. _____
 - 3.2.7 Once pressure has equalized between hydrant and hose, open valve #5158 fully. _____
 - 3.2.8 Inspect hose and connections for any signs of leakage. _____
 - 3.3 At domestic fire hydrant #8, remove both 2.5" discharge caps. Tighten large discharge cap. _____
 - 3.3.1 Open hydrant fully and allow a full flow of water to flush main of any foreign matter. _____
 - 3.3.2 Shut down hydrant and place a 2.5" gate valve on each discharge port, route and then connect approximately 100' of 3" hose to each input connection for the Service Building sprinkler system. (Located outside on the NE corner of the Service Building). _____
- NOTE** This connection does not require additional back flow protection since valve #5199N provides this function.
- 3.3.3 Once all connections have been completed, leave #8 hydrant secured. This hydrant will only be utilized in the event of a failure at one of the other locations.
- NOTE** Wall hydrant valve #5157 will also be left as is. This will allow further supply if needed at a later date by drafting from the discharge canal with a fire department pumper and connecting 2 additional hoses from that operation to this location.
- 3.4 At domestic hydrant #9 or #10, remove both 2.5" discharge caps. Tighten large discharge cap. _____
 - 3.4.1 Open hydrant fully and allow a full flow of water to flush main of any foreign matter. _____
 - 3.4.2 Shut down hydrant and place a 2.5" gate valve on each discharge port, then connect approximately 200' for hydrant #9 and approximately 350' for hydrant #10 of 3" fire hose to each gate valve.

3.4.3 Route hose lengths to valve #5156 located outside the Oil Storage Building. Place back flow protectors on each input point and connect hoses. Be sure flow of water is from yard hydrant to wall hydrant. _____

NOTE Where fire hose crosses the plant driveway place hose in a hose bridge to protect from damage. _____

3.4.4 Open hydrant #9 or #10 slowly and completely. _____

3.4.5 Open hydrant gate valves slowly and completely. _____

3.4.6 Inspect fire hose and couplings for any signs of leakage. _____

3.4.7 Open wall hydrant valve #5156 slowly and completely. _____

3.5 At hydrant #11 or #13 remove, 2.5" discharge caps. Tighten large discharge cap. _____

3.5.1 Open hydrant fully and allow a full flow of water to flush the main of any foreign matter. _____

3.5.2 Shut down hydrant and place a 2.5" gate valve on each discharge port, then connect approximately 250' for hydrant #11 and approximately 200' for hydrant #13 of 3" fire hose to each gate valve. _____

3.5.3 Route hose to wall hydrant valve #5155 located outside the Auxiliary building east side. Place back flow protectors on each input point and connect hose. Be sure flow is from yard hydrant to wall hydrant. _____

NOTE Where fire hose crosses plant driveway place hose in hose bridge to protect from damage. _____

3.5.4 Open hydrant #11 or #13 slowly and completely. _____

3.5.5 Open hydrant gate valves slowly and completely. _____

3.5.6 Once pressure has equalized, inspect all hose and couplings for signs of leakage. _____

3.5.7 Open wall hydrant valve #5155 slowly and completely. _____

NOTE Should this procedure be utilized during winter months, each fire hose and opened hydrant will require heat tracing and or insulation to prevent freezing. Where this is not practical, a positive water flow must be maintained on each fire hose.

NOTE Should manual fire fighting require assistance from local fire departments, DO NOT ALLOW ANY ADDITIONAL CONNECTIONS ON THE DOMESTIC YARD HYDRANT SYSTEM WITHOUT APPROVAL BY THE FIRE PROTECTION ENGINEER AS THESE CONNECTIONS COULD REDUCE AVAILABLE WATER SUPPLIES TO THE PLANT.

NOTE Additional water is available by drafting with a fire department pumper from the discharge canal.

3.5.8 Independent verification by a knowledgeable individual, normally an AUX Operator (Active or inactive) or the Fire Protection Engineer to ensure that the cross tie is established in accordance with this procedure.

3.6 Cross tie disconnection. _____

3.6.1 Shut down wall hydrant valve #5158. _____

3.6.2 Shut down hydrant #7 and relieve hose pressure by loosening up the couplings at the hydrant. _____

3.6.3 Once the hose is depressurized, remove hose from hydrant and wall hydrant valve #5158. _____

3.6.4 Disconnect each coupling and drain, clean and roll up hose and return to storage. _____

3.6.5 Place caps back on hydrant and wall hydrant #5158. _____

NOTE Loosen steamer cap on hydrant so it is hand tight.

3.6.6 Disconnect hose at the fire dept. connection for the Service Building sprinkler system and at hydrant #8. _____

3.6.7 Disconnect each coupling and drain, clean, roll up and return hose to storage.

3.6.8 Place caps back on hydrant and fire dept. connection. _____

NOTE Loosen steamer cap on hydrant so it is hand tight.

- 3.6.9 Shut down wall hydrant valve #5156. _____
- 3.6.10 Shut down hydrant supplying water to wall hydrant and relieve pressure by loosening up the couplings at the hydrant. _____
- 3.6.11 Once the hose is depressurized, remove hose from hydrant and wall Valve #5156. _____
- 3.6.12 Disconnect each coupling and drain, clean and roll up hose and return to storage. _____
- 3.6.13 Place caps back on hydrant and wall hydrant valve #5156. _____
- NOTE** Loosen steamer cap on hydrant so it is hand tight.
- 3.6.14 Shut down wall hydrant #5155. _____
- 3.6.15 Shut down hydrant supplying water to valve #5155 and relieve pressure by loosening up the couplings at the hydrant. _____
- 3.6.16 Once the hose is depressurized, remove hose from hydrant and wall valve #5155. _____
- 3.6.17 Disconnect each coupling and drain, clean and roll up hose and return to storage. _____
- 3.6.18 Place caps back on hydrant and wall hydrant valve #5155. _____

NOTE Loosen steamer cap on hydrant so it is hand tight.

CROSS TIE INSTALLED BY: _____

DATE: _____ TIME: _____

INDEPENDENT VERIFICATION BY: _____

DATE: _____ TIME: _____

CROSS TIE REMOVED BY: _____

DATE: _____ TIME: _____

FIRE PROTECTION ENGINEER REVIEW: _____

ATTACHMENT

ATTACHMENT 3

June 18, 2001 Email From NRC To RGE, Subject: Loss of SW SDP

Mail Envelope Properties

(3B2E0082.8A6 : 10 : 35430)

Subject: Re: Loss of SW SDP
Creation Date: 6/18/01 9:22AM
From: Wayne Schmidt

Created By: WLS@nrc.gov

Recipients

rge.com
Thomas_Harding (Thomas_Harding@rge.com)

Post Office

Route
rge.com

Files	Size	Date & Time
RiskQuestions.wpd	6036	06/18/01 09:18AM
MESSAGE	1232	06/18/01 09:22AM

Options

Expiration Date: None
Priority: Standard
Reply Requested: No
Return Notification: None

Concealed Subject: No
Security: Standard

From: Wayne Schmidt
To: Thomas_Harding@rge.com
Date: 6/18/01 9:22AM
Subject: Re: Loss of SW SDP

Hi Tom - hope you had a good weekend.

Thanks for the last info.

We would like to gather the necessary further information this week, so that we can have a call with you, if necessary on Thursday or Friday. Please see the attached questions (some of the answers overlap, but it was the easiest way to make sure the bases were covered).

I'll be out on Tuesday but in the rest of the week.

Thanks for your help.

SDP Questions Ginna SSDI

1. Does the Ginna PRA assume the need for the crosstie of the cooling water from the fire main for total loss of service water scenarios? If so, was the assumption of the frequency of success the same as assumed in AFHDALTTD? If so, this does not appear appropriate since the operator must recognize (proceduralized) the loss of fire water and take actions to align the city water to the fire headers (proceduralized) and also recognize (not proceduralized) the need to connect the temporary supply hose (proceduralized).
2. How would you estimate the Diagnosis HEP for the LOSW event, (given no procedure guiding the operator recognition) verse time for:
 1. The alignment of City/Fire water to the TDAFW pump of the need to complete Att-5.2?
 2. The alignment of City Water to SAFW?
3. Was the Total mean HEP for the City water to fire water ever calculated? Has it been calculated now? If so what is it? (Please include the calculation).
4. Relative to crediting feed and bleed for a LOSW - What does the current PRA assume? We think that the SDP assumes no feed and bleed because the recirc capability would not be available. Does the PRA assume anything relative to the time dependence until the RWST reaches the point for swapover? Are there procedures in place for establishing a source of cooling water to the RHR Hxs, without SW?
5. What is the current PRA core damage prob for LOSW? What would the LOSW core damage probability be given: (for each please include the sequences of interest and the assumed failure probabilities. If feed and bleed is credited please explain how.
 1. Inability to align Firewater to the TDAFW pump (given nominal failure probability for aligning city water to SAFW).
 2. Inability to align Firewater to the TDAFW pump and inability to align city water to SAFW.

ATTACHMENT 4
June 22, 2001 Email From RGE To NRC, Subject: NRC Questions

Mail Envelope Properties

(3B338D35.177 : 16 : 16759)

Subject: NRC Questions
Creation Date: 6/22/01 2:07PM
From: <Thomas_Harding@rge.com>

Created By: Thomas_Harding@rge.com

Recipients

nrc.gov
kp1_po.KP_DO
FJA (Frank Arner)
JMT1 (James Trapp)
WLS (Wayne Schmidt)

Post Office

kp1_po.KP_DO

Route

nrc.gov

Files	Size	Date & Time
MESSAGE	384	06/22/01 02:07PM
RiskQuestions.wpd	22509	
LOSW2.xls	770560	
LOSW1.xls	1518080	
Header	990	

Options

Expiration Date: None
Priority: Standard
Reply Requested: No
Return Notification: None

Concealed Subject: No
Security: Standard

From: <Thomas_Harding@rge.com>
To: "Wayne Schmidt" <WLS@nrc.gov>, <JMT1@nrc.gov>, <FJA@nrc.gov>
Date: 6/22/01 2:24PM
Subject: NRC Questions

Attached are our responses to the previous questions.

----- Forwarded by Thomas Harding/NOG/RG&E on 06/22/2001
02:03 PM -----

Mark Flaherty
06/22/2001 01:53 PM

To: Thomas Harding/NOG/RG&E@RG&E
cc:

Subject: NRC Questions

Here they are:
(See attached file: RiskQuestions.wpd)(See attached file: LOSW2.xls)(See
attached file: LOSW1.xls)

SDP Questions Ginna SSDI

In order to ensure that everyone is talking from the same page, here is a summary of the expected loss of service water (LOSW) scenario that will be used as a reference point in responding to the NRC questions.

- A. Given a LOSW, the plant would trip either automatically or manually within a few minutes due to loss of BOP related equipment, CCW to the RCPs, etc. The following equipment (as a minimum) will be assumed failed due to the loss of SW:
- IA Compressors A, B, C. However, the service air compressor (normally cross-tied to IA) and the diesel air compressor are available.
 - MDAFW Pumps A and B. However, the TDAFW pump will auto start on low SG level (shrink due to reactor trip) and the SAFW pumps will be available.
 - CCW high temperature alarms will result in tripping the CCW pumps. This will fail cooling to the RCPs (which will also be tripped) and the RHR heat exchangers (failing sump recirculation and RHR cooldown).
 - MFW pumps
- B. Once the plant has tripped, the operators enter procedure E-0. It would be expected that SI conditions would not exist (nor a manual SI required) and operators would exit E-0 after step 4 and enter procedure ES-0.1.
- C. Upon exiting E-0, the STA would consult the Critical Safety Function Status Trees (CSFSTs) per EOP usage guides (procedure A-503.1) and the note prior to the first step in ES-0.1. Included within the CSFSTs is verification that there is 200 gpm total AFW flow and 5% level in at least one SG. The STA performs this verification approximately once every 10-20 minutes (step 3.2.10.3 of procedure A-503.1). At this point, there is also a shift briefing to discuss the plant status. It would be expected that the loss of SW would be discussed, but we will assume that this is not discussed for the purpose of this review.
- D. Procedure ES-0.1 provides instructions to the operators to stabilize the plant and bring it to hot shutdown conditions. There is a step to verify the number of operating SW pumps (#5) and a continuous action step (#9) to verify SG level > 5%. The last step of the procedure requires the operators to consult plant staff to determine if cooldown is required and to go to procedure ES-0.2 for natural circulation cooldown (since there are no RCPs). It can be assumed that between the plant staff and licensed operators, that a decision would be made to limit the plant cooldown with no SW present since CCW and RHR are not available. However, it will be assumed that the 2 hour run time with no SW lube oil cooling to the TDAFW pump will not be identified since this is only found in procedure ECA-0.0 (SBO).
- E. Procedure ES-0.2 instructs the operators to cooldown and depressurize the RCS using natural circulation. As mentioned above in D, it can be assumed that the plant cooldown would be limited with no SW available. However, it will now be assumed that the TDAFW pump fails after 2 hours of operation with no SW cooling for lube oil. Since AFW and maintaining SG level is a basis for providing natural circulation, it would be expected that operators would be monitoring it closely. The STA would also be monitoring these as part of the CSFSTs once every 10-20 minutes. Between these and the expected control board alarms, operators would transition to FR-H.1 upon loss of the TDAFW pump.
- F. Procedure FR-H.1 instructs the operators to restore feedwater flow to the SGs first by preferred AFW, then by MFW, then by SAFW. Preferred AFW and MFW will be

- assumed unavailable such that only SAFW can be used. EOP Attachment 5.1 instructs the operators to align SAFW taking suction from SW. Procedure ER-AFW.1 provides instructions on how to use alternate suction sources (e.g., city and fire water); however, there is no direct links to ER-AFW.1 from FR-H.1 and Attachment 5.1 other than CST level < 5 feet. Regardless, the operators know that SW is unavailable and have been trained on the use for ER-AFW.1 for similar type circumstances. That is, ER-AFW.1 is considered to be an Abnormal Operating Procedure (AOP) that is referenced by the EOP series of procedures. Operators are trained and expected to utilize AOP type of procedures as needed in support of EOP implementation. Also, the minimum CST level specified in LCO 3.7.6 is based on providing sufficient inventory for the TDAFW pump for 2 hours post trip in accordance with NUREG-0737, item II.E.1.1. As such, the operators would be expected to be procedurally directed into ER-AFW.1 from low CST level at about the same time that the TDAFW pump would fail due to insufficient lube oil cooling.
- G. If AFW, MFW, and SAFW cannot be implemented by FR-H.1, then the operators are instructed to use the condensate system or implement feed and bleed. The condensate system has no dependancies on SW, but does require depressurizing the SGs which could be accomplished using ARVs especially given 2 hours of successful TDAFW operation. Feed and bleed occurs until necessary subcooling margin is obtained such that the SI pumps can be stopped and the PORVs closed. At this time, the plant would go to normal RHR shutdown cooling (requires SW), sump recirculation (requires SW), or stabilize on AFW that has been restored. Assuming a SI flowrate of 500 gpm (each pump is designed for 350 gpm and given the initial lower decay heat levels) and 300,000 gallons of RWST inventory, the need to be on RHR or AFW would not occur before 10 hours. It can be expected that either SW, the TDAFW pump, or SAFW would be recovered within this time frame. However, the PSA model assumes that recirculation capability is required (i.e., there is no credit for this recovery).
1. **Does the Ginna PRA assume the need for the crosstie of the cooling water from the fire main for total loss of service water scenarios? If so, was the assumption of the frequency of success the same as assumed in AFHFDALTTD? If so, this does not appear appropriate since the operator must recognize (proceduralized) the loss of fire water and take actions to align the city water to the fire headers (proceduralized) and also recognize (not proceduralized) the need to connect the temporary supply hose (proceduralized).**

As indicated in PSA Final Report, Appendix F, Table F-4, event AFHFDALTTD is only credited for SBO scenarios (i.e., scenarios where procedure ECA-0.0 is entered). All other scenarios use a value of 1.0 for using fire water to support the TDAFW pump.

2. **How would you estimate the Diagnosis HEP for the LOSW event, (given no procedure guiding the operator recognition) verse time for:**
- a. **The alignment of City/Fire water to the TDAFW pump of the need to complete Att-5.2?**
 - b. **The alignment of City Water to SAFW?**

The diagnosis for alignment of fire water to the TDAFW pump (AFHFDALTTD) and city water to SAFW (AXHFDALTTD) was based on the following:

- a. AFHFDALTTD - Cues to perform this action would only be available upon entering ECA-0.0, Step 8.d. All other scenarios do not credit this action (i.e., failure probability of 1.0).
- b. AXHFDCITYW - Cues to perform this action would be from one of the following: (1) low CST level - found on foldout page of all EOPs, (2) Step 13.a RNO of Procedure FR-C.1 for inadequate core cooling if SG level cannot be maintained > 5%, (3) Step 7 of Procedure FR-H.1 for inadequate heat sink if SAFW cannot be aligned to SW. Note that for the last item, there is no direct procedural guidance. However, as described in item F of the event summary, operators are expected to utilize AOPs like ER-AFW.1 in a situation like this. The calculation of this value was previously provided to the NRC and assumes that the operator had 20 minutes of diagnosis available. With 2 hours of successful TDAFW operation, this diagnosis time would be much longer.

3. **Was the Total mean HEP for the City water to fire water ever calculated? Has it been calculated now? If so what is it? (Please include the calculation).**

No HEP for this event has ever been calculated, nor is there any intention of generating one at this time. Instructions to perform this step are not contained within the EOP and AOP series of procedures (i.e., they are in other plant testing procedures). However, this activity is performed during testing and maintenance of the fire water systems and is called out in the TRM for when both fire pumps are inoperable (i.e., establish a backup fire water system). That is, operators are aware of this capability.

4. **Relative to crediting feed and bleed for a LOSW - What does the current PRA assume? We think that the SDP assumes no feed and bleed because the recirc capability would not be available. Does the PRA assume anything relative to the time dependence until the RWST reaches the point for swapover? Are there procedures in place for establishing a source of cooling water to the RHR Hxs, without SW?**

The PSA utilizes a single transient event tree which contains, among other transients, the LOSW event (see PSA Final Report Figure 5-1). For the feed portion of feed and bleed, top event UH1 on the figure (High Pressure Injection) contains the logic for gate SR500, FAILURE TO DELIVER FLOW FROM 1 OF 3 SI PUMPS TO THE RCS DURING RECIRC. Since no recovery of SW is credited (as described in the event summary, item G), feed and bleed is not success for a LOSW event. However, since it would take over 10 hours to deplete the RWST, it could be postulated that the SW or AFW system would be recovered, or even the RWST refilled. There is no procedure which establishes an alternate source of cooling to the RHR HXs, primarily due to the number of AFW pumps.

5. **What is the current PRA core damage prob for LOSW? What would the LOSW core damage probability be given: (for each please include the sequences of interest and the assumed failure probabilities. If feed and bleed is credited please explain how.)**

- a. **Inability to align Firewater to the TDAFW pump (given nominal failure probability for aligning city water to SAFW).**

b. Inability to align Firewater to the TDAFW pump and inability to align city water to SAFW.

Three LOSW scenarios were solved as described below. In no instance is credit for feed and bleed taken.

- *LOSW as currently addressed within the PSA model* - The attached cutset file (LOSW1.XLS) shows a CDF of $3.035E-06$ with risk dominated by transients with no AFW available. Note that event AFHFDALTTD is only found in combination with a SBO event. Also, AXHFDCITYW is not found in the cutsets. This is due to the fact that there is already a human error event of failing to start SAFW per EOP steps (AXHFDSAFWX) within the models. For LOSW, this event also includes failure to align city water since no SW is available at the outset. Consequently, event AXHFDSAFWX was increased by the necessary factor to result in a failure probability of $1.0E-02$ similar to AFHFDALTTD.
- *LOSW with no credit for aligning Firewater to TDAFW* - this is the same as the first sequence since event AFHFDALTTD is only credited for SBO cutsets.
- *LOSW with no credit for aligning Firewater to TDAFW nor city water to SAFW* - If no credit is taken for TDAFW and the SAFW systems, then the CDF is equivalent to the LOSW frequency, or $2.00E-04/\text{yr}$ (LOSW2.XLS). However, this scenario is not considered credible due to the reasons described above for the operators treatment of ER-AFW.1 as a AOP which is entered as necessary in the EOPs. Also, if operators failed to align city water to SAFW in FR-H.1, they would go to feed and bleed. Once this failed due to lack of RWST inventory and ability to go onto RHR, the core would heat up and the operators would enter FR-C.1. This procedure has specific guidance to enter ER-AFW.1 in step 13.a RNO for when SG level is $< 5\%$ and 200 gpm of AFW cannot be established. Finally, the use of the condensate system has not been considered.

#	Inputs	Description	Rate	Exposure	Event Prob	Probability
1	TI0000SW	Total Loss of Service Water			1	1.00E+00 1.06E-06
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03		5.19E-03	
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to			1	1.93E+00
	NOSBO	TAG - NO STATION BLACKOUT			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04		1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT			1	1.00E+00
2	TI0000SW	Total Loss of Service Water			1	1.00E+00 8.76E-07
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03		5.19E-03	
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to			1	1.93E+00
	NOSBO	TAG - NO STATION BLACKOUT			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04		1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT			1	1.00E+00
3	TI0000SW	Total Loss of Service Water			1	1.00E+00 1.59E-07
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)			1	1.00E+00
	CVMRRCPIFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03		1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR			1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs			1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE			1	1.00E+00
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04		1.21E-04	
4	TI0000SW	Total Loss of Service Water			1	1.00E+00 1.32E-07
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)			1	1.00E+00
	CVMRRCPIFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03		1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR			1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs			1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE			1	1.00E+00
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04		1.00E-04	
5	TI0000SW	Total Loss of Service Water			1	1.00E+00 1.06E-07
	AXXVNO9728	3 way valve 9728 fails to operate	1.00E-03		1.00E-03	
	NOSBO	TAG - NO STATION BLACKOUT			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04		1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT			1	1.00E+00
6	TI0000SW	Total Loss of Service Water			1	1.00E+00 8.76E-08
	AXXVNO9728	3 way valve 9728 fails to operate	1.00E-03		1.00E-03	
	NOSBO	TAG - NO STATION BLACKOUT			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04		1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT			1	1.00E+00
7	TI0000SW	Total Loss of Service Water			1	1.00E+00 5.54E-08
	AXMMSAFWPC	Failure of SAFW Pump 1C Train	0.02		2.29E-02	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02		2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04		1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT			1	1.00E+00
8	TI0000SW	Total Loss of Service Water			1	1.00E+00 4.59E-08
	AXMMSAFWPC	Failure of SAFW Pump 1C Train	0.02		2.29E-02	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02		2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04		1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT			1	1.00E+00
9	TI0000SW	Total Loss of Service Water			1	1.00E+00 3.47E-08
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83		8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38		3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5		5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03		2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A			1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B			1	1.00E+00
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully			1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18			1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17			1	9.97E-01
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE			1	1.00E+00
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04		1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)			1	1.00E+00
10	TI0000SW	Total Loss of Service Water			1	1.00E+00 2.87E-08
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83		8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38		3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5		5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03		2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A			1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B			1	1.00E+00
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully			1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18			1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17			1	9.97E-01
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE			1	1.00E+00
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04		1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)			1	1.00E+00
11	TI0000SW	Total Loss of Service Water			1	1.00E+00 2.81E-08
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M	0.02		1.67E-02	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M	0.01		1.48E-02	
	NOSBO	TAG - NO STATION BLACKOUT			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04		1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT			1	1.00E+00
12	TI0000SW	Total Loss of Service Water			1	1.00E+00 2.56E-08
	NOSBO	TAG - NO STATION BLACKOUT			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage			0.97	9.67E-01
	RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min			0.05	5.00E-02
	RCRZT0431C	PORV PCV-431C Fails To Reset After Steam Relief	5.00E-03		1	5.00E-03
	SLO	TAG - SMALL LOCA SEQUENCE			1	1.00E+00
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04		1.21E-04	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES			1	1.00E+00
13	TI0000SW	Total Loss of Service Water			1	1.00E+00 2.56E-08
	NOSBO	TAG - NO STATION BLACKOUT			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due to PORV Leakage			0.97	9.67E-01
	RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min			0.05	5.00E-02
	RCRZT00430	PORV PCV-430 Fails To Reset After Steam Relief	5.00E-03		1	5.00E-03

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	SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
14	Ti0000SW	Total Loss of Service Water		1	1.00E+00	2.17E-08
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M		0.02	1.67E-02	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M		0.01	1.48E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
15	Ti0000SW	Total Loss of Service Water		1	1.00E+00	2.12E-08
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97	9.67E-01	
	RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02	
	RCRZT0431C	PORV PCV-431C Fails To Reset After Steam Relief	5.00E-03	1	5.00E-03	
	SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
16	Ti0000SW	Total Loss of Service Water		1	1.00E+00	2.12E-08
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage		0.97	9.67E-01	
	RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02	
	RCRZT00430	PORV PCV-430 Fails To Reset After Steam Relief	5.00E-03	1	5.00E-03	
	SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
17	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.16E-08
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)		5.19E-03	5.19E-03	
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
18	Ti0000SW	Total Loss of Service Water		1	1.00E+00	9.29E-09
	AXCCSSAFWA	Common cause failure of SAFW Pumps 1C and 1D to start		8.79E-05	8.79E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
19	Ti0000SW	Total Loss of Service Water		1	1.00E+00	9.05E-09
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)		5.19E-03	5.19E-03	
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
20	Ti0000SW	Total Loss of Service Water		1	1.00E+00	8.84E-09
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)		5.19E-03	5.19E-03	
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCPUMPS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
21	Ti0000SW	Total Loss of Service Water		1	1.00E+00	8.84E-09
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)		5.19E-03	5.19E-03	
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCPUMPS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
22	Ti0000SW	Total Loss of Service Water		1	1.00E+00	7.96E-09
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)		5.19E-03	5.19E-03	
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
23	Ti0000SW	Total Loss of Service Water		1	1.00E+00	7.70E-09
	AXCCDMOVNB	Common cause failure of MOVs 9701A and 9701B to throttle flow		7.28E-05	7.28E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
24	Ti0000SW	Total Loss of Service Water		1	1.00E+00	7.70E-09
	AXCCSSAFWA	Common cause failure of SAFW Pumps 1C and 1D to start		8.79E-05	8.79E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
25	Ti0000SW	Total Loss of Service Water		1	1.00E+00	7.27E-09
	AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint		3.00E-03	3.00E-03	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
26	Ti0000SW	Total Loss of Service Water		1	1.00E+00	7.25E-09
	AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint		3.00E-03	3.00E-03	
	AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
27	Ti0000SW	Total Loss of Service Water		1	1.00E+00	8.38E-09
	AXCCDMOVNB	Common cause failure of MOVs 9701A and 9701B to throttle flow		7.28E-05	7.28E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	

28	TI0000SW	Total Loss of Service Water	1	1.00E+00	6.05E-09
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
29	TI0000SW	Total Loss of Service Water	1	1.00E+00	8.03E-09
	AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint	3.00E-03	3.00E-03	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
30	TI0000SW	Total Loss of Service Water	1	1.00E+00	6.01E-09
	AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint	3.00E-03	3.00E-03	
	AXMMSAFWPC	Failure of SAFW Pump 1C train	0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
31	TI0000SW	Total Loss of Service Water	1	1.00E+00	5.85E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVMRCPALP	NO FLOW THROUGH SEAL LEAKOFF PATH FROM RCP A TO COMMON HEADER	5.34E-05	5.34E-05	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
32	TI0000SW	Total Loss of Service Water	1	1.00E+00	5.65E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVMRCPBLP	SEAL LEAKOFF PATH FROM RCP B OBSTRUCTED	5.34E-05	5.34E-05	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
33	TI0000SW	Total Loss of Service Water	1	1.00E+00	5.30E-09
	AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint	3.00E-03	3.00E-03	
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M	0.02	1.87E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
34	TI0000SW	Total Loss of Service Water	1	1.00E+00	5.16E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVMRCPAFP	NO FLOW FROM SEAL INJECTION FILTER A TO RCP A SEAL	4.88E-05	4.88E-05	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
35	TI0000SW	Total Loss of Service Water	1	1.00E+00	5.16E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVMRCPBFP	NO FLOW PATH TO RCP B SEAL FROM SEAL INJECTION FILTER	4.88E-05	4.88E-05	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
36	TI0000SW	Total Loss of Service Water	1	1.00E+00	5.02E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVPPJCVCOM	Common CVCS Piping Rupture	1.98E-06	24	4.75E-05
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
37	TI0000SW	Total Loss of Service Water	1	1.00E+00	5.02E-09
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
38	TI0000SW	Total Loss of Service Water	1	1.00E+00	4.69E-09
	AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint	3.00E-03	3.00E-03	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M	0.01	1.48E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
39	TI0000SW	Total Loss of Service Water	1	1.00E+00	4.68E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVMRCPALP	NO FLOW THROUGH SEAL LEAKOFF PATH FROM RCP A TO COMMON HEADER	5.34E-05	5.34E-05	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
40	TI0000SW	Total Loss of Service Water	1	1.00E+00	4.68E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVMRCPBLP	SEAL LEAKOFF PATH FROM RCP B OBSTRUCTED	5.34E-05	5.34E-05	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	

	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
41	T10000SW	Total Loss of Service Water		1.00E+00	4.46E-09
	FSTMFCITYW	City Water Supply to Yard Fire Loop Inoperable	4.22E-05	4.22E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
42	T10000SW	Total Loss of Service Water		1.00E+00	4.39E-09
	AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint	3.00E-03	3.00E-03	
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M	0.02	1.87E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
43	T10000SW	Total Loss of Service Water		1.00E+00	4.27E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1.00E+00	
	CVMMRCPAFP	NO FLOW FROM SEAL INJECTION FILTER A TO RCP A SEAL	4.88E-05	4.88E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
44	T10000SW	Total Loss of Service Water		1.00E+00	4.27E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1.00E+00	
	CVMMRCPBFP	NO FLOW PATH TO RCP B SEAL FROM SEAL INJECTION FILTER	4.88E-05	4.88E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
45	T10000SW	Total Loss of Service Water		1.00E+00	4.16E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1.00E+00	
	CVPPJCVCOM	Common CVCS Piping Rupture	1.98E-06	24.475E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
46	T10000SW	Total Loss of Service Water		1.00E+00	3.89E-09
	AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint	3.00E-03	3.00E-03	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M	0.01	1.48E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
47	T10000SW	Total Loss of Service Water		1.00E+00	3.70E-09
	FSTMFCITYW	City Water Supply to Yard Fire Loop Inoperable	4.22E-05	4.22E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
48	T10000SW	Total Loss of Service Water		1.00E+00	2.58E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1.00E+00	
	CVMMRCPIFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCHFD00RCP	Operators Fail to Trip RCPs After Loss of Support Systems	0.02	1.81E-02	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1.00E+00	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
49	T10000SW	Total Loss of Service Water		1.00E+00	2.52E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPR751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINB	TAG - Failure of AC Train B		1.00E+00	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1.00E+00	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1.00E+00	
50	T10000SW	Total Loss of Service Water		1.00E+00	2.50E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPR751	Loss of Offsite Circuit 751 Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINB	TAG - Failure of AC Train B		1.00E+00	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1.00E+00	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1.00E+00	
51	T10000SW	Total Loss of Service Water		1.00E+00	2.12E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1.00E+00	
	CVMMRCPIFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCHFD00RCP	Operators Fail to Trip RCPs After Loss of Support Systems	0.02	1.81E-02	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
52	T10000SW	Total Loss of Service Water		1.00E+00	2.11E-09
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPR767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	

	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
53	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.11E-09
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C train	0.02	2.29E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
54	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.11E-09
	AXCCFSAFWA	Common cause failure of SAFW Pumps 1C and 1D to run	1.99E-05	1.99E-05	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
55	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.09E-09
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
56	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.09E-09
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C train	0.02	2.29E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
57	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.09E-09
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
58	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.07E-09
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
59	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.82E-09
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1.85E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03	
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START	3.28E-03	3.28E-03	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
60	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.75E-09
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
61	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.75E-09
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C train	0.02	2.29E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	

	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
62	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.75E-09
	AXCCFSAFWA	Common cause failure of SAFW Pumps 1C and 1D to run	1.99E-05	1.99E-05	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
63	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.74E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
64	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.73E-09
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
65	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.73E-09
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train B	1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C train	0.02	2.29E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
66	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.44E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVCCMPFABC	COMMON CAUSE FAILURE OF THE CHARGING PUMPS TO RUN	1.36E-05	1.36E-05	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCPUMPSPR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
67	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.36E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train B	1	1.00E+00	
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
68	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.33E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train B	1	1.00E+00	
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04	
69	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.33E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04	
70	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.20E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train B	1	1.00E+00	
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
71	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.19E-09
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVCCMPFABC	COMMON CAUSE FAILURE OF THE CHARGING PUMPS TO RUN	1.36E-05	1.36E-05	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
72	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.19E-09
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXHFDASAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and some Fire Events For Stress)	5.19E-03	5.19E-03	

FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58 5.79E-01	
SWCVC04603	Service Water Pump PSW01C Discharge Check Valve 4603 Fails To Close On Demand	5.84E-04	1.584E-04	
SWTMPUMP1B	SW Pump B in maintenance		0.05 4.55E-02	
TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
73 TI0000SW	Total Loss of Service Water		1.00E+00	1.16E-09
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1.85E-03	
ACTRAINA	TAG - Failure of AC Train A		1.00E+00	
AXXVN09728	3 way valve 9728 fails to operate	1.00E-03	1.00E-03	
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03 3.28E-03	
SWTMPUMP1B	SW Pump B in maintenance		0.05 4.55E-02	
TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
74 TI0000SW	Total Loss of Service Water		1.00E+00	1.14E-09
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97 9.67E-01	
RCMVC00515	MOV 515 fails to close	2.22E-03	1.222E-03	
RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1.500E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04 1.21E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1.00E+00	
75 TI0000SW	Total Loss of Service Water		1.00E+00	1.14E-09
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage		0.97 9.67E-01	
RCMVC00515	MOV 515 fails to close	2.22E-03	1.222E-03	
RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1.500E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04 1.21E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1.00E+00	
76 TI0000SW	Total Loss of Service Water		1.00E+00	1.13E-09
AXMMSGBSAF	Failure of SAFW injection line to S/G B		6.39E-04 6.39E-04	
AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M		0.02 1.67E-02	
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04 1.21E-04	
TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
77 TI0000SW	Total Loss of Service Water		1.00E+00	9.52E-10
AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint		3.00E-03 3.00E-03	
AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint		3.00E-03 3.00E-03	
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04 1.21E-04	
TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
78 TI0000SW	Total Loss of Service Water		1.00E+00	9.41E-10
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97 9.67E-01	
RCMVC00515	MOV 515 fails to close	2.22E-03	1.222E-03	
RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1.500E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1.00E+00	
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04 1.00E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1.00E+00	
79 TI0000SW	Total Loss of Service Water		1.00E+00	9.41E-10
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage		0.97 9.67E-01	
RCMVC00515	MOV 515 fails to close	2.22E-03	1.222E-03	
RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1.500E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1.00E+00	
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04 1.00E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1.00E+00	
80 TI0000SW	Total Loss of Service Water		1.00E+00	9.34E-10
AXMMSGBSAF	Failure of SAFW injection line to S/G B		6.39E-04 6.39E-04	
AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M		0.02 1.67E-02	
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04 1.00E-04	
TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
81 TI0000SW	Total Loss of Service Water		1.00E+00	9.33E-10
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1.00E+00	
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)		5.19E-03 5.19E-03	
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58 5.79E-01	
SWCVC04802	Service Water Pump PSW01B Discharge Check Valve 4602 Fails To Close On Demand	5.84E-04	1.584E-04	
SWTMPUMP1C	SW Pump C in maintenance		0.04 3.56E-02	
TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
82 TI0000SW	Total Loss of Service Water		1.00E+00	9.15E-10
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97 9.67E-01	
RCCCFPORVC	PORVs FAIL TO CLOSE (CCF)	1.79E-04	1.79E-04	
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05 5.00E-02	
SLO	TAG - SMALL LOCA SEQUENCE		1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04 1.21E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1.00E+00	
83 TI0000SW	Total Loss of Service Water		1.00E+00	9.15E-10
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage		0.97 9.67E-01	
RCCCFPORVC	PORVs FAIL TO CLOSE (CCF)	1.79E-04	1.79E-04	
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05 5.00E-02	
SLO	TAG - SMALL LOCA SEQUENCE		1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04 1.21E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1.00E+00	
84 TI0000SW	Total Loss of Service Water		1.00E+00	9.05E-10
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1.00E+00	
AXXVN09728	3 way valve 9728 fails to operate	1.00E-03	1.00E-03	
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	
SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03 3.28E-03	
SWTMPUMP1C	SW Pump C in maintenance		0.04 3.56E-02	
TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
85 TI0000SW	Total Loss of Service Water		1.00E+00	8.86E-10
MLO	TAG - MEDIUM LOCA SEQUENCE		1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88 8.76E-01	

RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due To PORV Leakage	0.97	9.87E-01	
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage	0.97	9.87E-01	
RCCCFPORVC	PORVs FAIL TO CLOSE (CCF)	1.79E-04	1.79E-04	
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min	0.05	5.00E-02	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
TLMTRANS	TAG - TRANSIENT INDUCED MEDIUM LOCA SEQUENCES	1	1.00E+00	
86 TI0000SW	Total Loss of Service Water	1	1.00E+00	8.84E-10
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
AXXVN09728	3 way valve 9728 fails to operate	1.00E-03	1 1.00E-03	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
87 TI0000SW	Total Loss of Service Water	1	1.00E+00	8.84E-10
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
AXXVN09728	3 way valve 9728 fails to operate	1.00E-03	1 1.00E-03	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
88 TI0000SW	Total Loss of Service Water	1	1.00E+00	8.78E-10
AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACCB2B2TAA	4160 VAC Bus 11A / Bus 12A Tie Breaker 52/BTA-A (BUS11A/11) Fails to Close	3.64E-03	1 3.64E-03	
CVHFDUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
IAAACA02R	FLAG - SA COMPRESSOR CSA02 RUNNING AND SUPPLYING IA	0.95	9.50E-01	
IAHFCSA04	OPERATORS FAIL TO PLACE THE DIESEL AIR COMPRESSOR IN SERVICE	0.1	1.00E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
89 TI0000SW	Total Loss of Service Water	1	1.00E+00	8.78E-10
AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACCB5211A	4160 VAC Circuit Breaker 52/11A (BUS11A/10) Fails To Open on Demand	3.64E-03	1 3.64E-03	
CVHFDUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
IAAACA02R	FLAG - SA COMPRESSOR CSA02 RUNNING AND SUPPLYING IA	0.95	9.50E-01	
IAHFCSA04	OPERATORS FAIL TO PLACE THE DIESEL AIR COMPRESSOR IN SERVICE	0.1	1.00E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
90 TI0000SW	Total Loss of Service Water	1	1.00E+00	8.34E-10
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03	
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SWMM0SWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03	
SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
91 TI0000SW	Total Loss of Service Water	1	1.00E+00	8.34E-10
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03	
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SWMM0SWPBS	FAILURES OF SW PUMP B TO START	3.28E-03	3.28E-03	
SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
92 TI0000SW	Total Loss of Service Water	1	1.00E+00	8.20E-10
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03	
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
SWCV04604	Service Water Pump PSW01D Discharge Check Valve 4604 Fails To Close On Demand	5.84E-04	1 5.84E-04	
SWPMPDINIT	TAG - SW PUMP D FAILS AS AN INITIATING EVENT	1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
93 TI0000SW	Total Loss of Service Water	1	1.00E+00	7.96E-10
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
AXXVN09728	3 way valve 9728 fails to operate	1.00E-03	1 1.00E-03	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
94 TI0000SW	Total Loss of Service Water	1	1.00E+00	7.88E-10
AXHLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint	3.00E-03	3.00E-03	
AXHLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint	3.00E-03	3.00E-03	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
95 TI0000SW	Total Loss of Service Water	1	1.00E+00	7.84E-10
AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
CVHFDUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
CVMM00112B	AOV 112B FAILS TO OPEN ON DEMAND	0.18	1.83E-01	
CVMMRXMAKE	FAILURE OF REACTOR MAKEUP WATER TO THE BLENDER	1.69E-03	1.69E-03	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
96 TI0000SW	Total Loss of Service Water	1	1.00E+00	7.78E-10
AXMMSGASAF	Failure of SAFW injection line to S/G A	4.97E-04	4.97E-04	
AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M	0.01	1.48E-02	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
97 TI0000SW	Total Loss of Service Water	1	1.00E+00	7.67E-10
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	

PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage	0.97	9.87E-01	
RCMM000515	ELECTRICAL FAILURES PREVENT MOVING MOV-515	1.50E-03	1.50E-03	
RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1.50E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1.00E+00	
98 TI0000SW	Total Loss of Service Water		1.00E+00	7.67E-10
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage	0.97	9.87E-01	
RCMM000516	ELECTRICAL FAILURES PREVENT MOVING MOV-516	1.50E-03	1.50E-03	
RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1.50E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1.00E+00	
99 TI0000SW	Total Loss of Service Water		1.00E+00	7.58E-10
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage	0.97	9.87E-01	
RCCCFPORVC	PORVs FAIL TO CLOSE (CCF)	1.79E-04	1.79E-04	
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min	0.05	5.00E-02	
SLO	TAG - SMALL LOCA SEQUENCE		1.00E+00	
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1.00E+00	
100 TI0000SW	Total Loss of Service Water		1.00E+00	7.58E-10
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage	0.97	9.87E-01	
RCCCFPORVC	PORVs FAIL TO CLOSE (CCF)	1.79E-04	1.79E-04	
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min	0.05	5.00E-02	
SLO	TAG - SMALL LOCA SEQUENCE		1.00E+00	
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1.00E+00	
101 TI0000SW	Total Loss of Service Water		1.00E+00	7.34E-10
MLO	TAG - MEDIUM LOCA SEQUENCE		1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage	0.97	9.87E-01	
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage	0.97	9.87E-01	
RCCCFPORVC	PORVs FAIL TO CLOSE (CCF)	1.79E-04	1.79E-04	
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min	0.05	5.00E-02	
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
TLSTRANS	TAG - TRANSIENT INDUCED MEDIUM LOCA SEQUENCES		1.00E+00	
102 TI0000SW	Total Loss of Service Water		1.00E+00	7.27E-10
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1.00E+00	
ACCBDS2BTA	4160 VAC Bus 11A / Bus 12A Tie Breaker 52/BTA-A (BUS11A/11) Fails to Close	3.64E-03	1.364E-03	
CVHFDUUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
IAAACS02R	FLAG - SA COMPRESSOR CSA02 RUNNING AND SUPPLYING IA	0.95	9.50E-01	
IAHFDCSA04	OPERATORS FAIL TO PLACE THE DIESEL AIR COMPRESSOR IN SERVICE	0.1	1.00E-01	
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1.00E+00	
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
103 TI0000SW	Total Loss of Service Water		1.00E+00	7.27E-10
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1.00E+00	
ACCBDS211A	4160 VAC Circuit Breaker 52/11A (BUS11A/10) Fails To Open on Demand	3.64E-03	1.364E-03	
CVHFDUUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
IAAACS02R	FLAG - SA COMPRESSOR CSA02 RUNNING AND SUPPLYING IA	0.95	9.50E-01	
IAHFDCSA04	OPERATORS FAIL TO PLACE THE DIESEL AIR COMPRESSOR IN SERVICE	0.1	1.00E-01	
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1.00E+00	
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
104 TI0000SW	Total Loss of Service Water		1.00E+00	7.22E-10
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1.85E-03	
ACTRAINA	TAG - Failure of AC Train A		1.00E+00	
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03	
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN	2.05E-04	2.05E-04	
SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
105 TI0000SW	Total Loss of Service Water		1.00E+00	7.16E-10
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1.00E+00	
CVHFDUUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
CVMM7005/A	VALVES IN INSTRUMENT AIR LINE TO SOV 14206S AND AOV 112C FAIL CLOSED	0.17	1.67E-01	
CVMMRXMAKE	FAILURE OF REACTOR MAKEUP WATER TO THE BLENDER	1.69E-03	1.69E-03	
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
106 TI0000SW	Total Loss of Service Water		1.00E+00	7.15E-10
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A		1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1.00E+00	
AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 18 AND 17		1.97E-01	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE		1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)		1.00E+00	
107 TI0000SW	Total Loss of Service Water		1.00E+00	6.71E-10
AXCCPSGINB	Common cause failure of check valves 9705A and 9705B to open	6.35E-06	6.35E-06	
NOSBO	TAG - NO STATION BLACKOUT		1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
TRANSX	TAG - TRANSIENT EVENT		1.00E+00	
108 TI0000SW	Total Loss of Service Water		1.00E+00	6.59E-10
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A		1.00E+00	

	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFTM0TDAFW	TDAFW Pump Train out-of-service for maintenance	0.02	1.90E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
109	Ti0000SW	Total Loss of Service Water	1	1.00E+00	6.50E-10
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVHFDUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
	CVMM00112B	AOV 112B FAILS TO OPEN ON DEMAND	0.18	1.83E-01	
	CVMMRXMAKE	FAILURE OF REACTOR MAKEUP WATER TO THE BLENDER	1.69E-03	1.69E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
110	Ti0000SW	Total Loss of Service Water	1	1.00E+00	6.45E-10
	AXMMSGASAF	Failure of SAFW injection line to S/G A	4.97E-04	4.97E-04	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M	0.01	1.48E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
111	Ti0000SW	Total Loss of Service Water	1	1.00E+00	6.36E-10
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage	0.97	9.67E-01	
	RCMM000515	ELECTRICAL FAILURES PREVENT MOVING MOV-515	1.50E-03	1.50E-03	
	RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1.50E-03	
	SLO	TAG - SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES	1	1.00E+00	
112	Ti0000SW	Total Loss of Service Water	1	1.00E+00	8.36E-10
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due to PORV Leakage	0.97	9.67E-01	
	RCMM000516	ELECTRICAL FAILURES PREVENT MOVING MOV-516	1.50E-03	1.50E-03	
	RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1.50E-03	
	SLO	TAG - SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES	1	1.00E+00	
113	Ti0000SW	Total Loss of Service Water	1	1.00E+00	6.31E-10
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
114	Ti0000SW	Total Loss of Service Water	1	1.00E+00	6.11E-10
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 787 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT787	Loss of Offsite Circuit 787 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
115	Ti0000SW	Total Loss of Service Water	1	1.00E+00	6.07E-10
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1.88E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C Train	0.02	2.29E-02	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
116	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.93E-10
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVHFDUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
	CVMM7005/A	VALVES IN INSTRUMENT AIR LINE TO SOV 14208S AND AOV 112C FAIL CLOSED	0.17	1.67E-01	
	CVMMRXMAKE	FAILURE OF REACTOR MAKEUP WATER TO THE BLENDER	1.69E-03	1.69E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
117	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.92E-10
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 787 TO BUS 12B)	0.02	1.70E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
118	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.89E-10
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03	
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASCREEN	FLAG - CONDITIONS EXIST WHERE TRAVELLING SCREENS ARE NECESSARY	0.1	1.00E-01	

	SWTSFFSWAI	PLUGGING OF TRAVELLING SCREEN FWS01A	1.00E-06	1	8.76E-03	
	SWTSFFSWBI	PLUGGING OF TRAVELLING SCREEN FWS01B	1.00E-06	1	8.76E-03	
	SWTSFFSWCI	PLUGGING OF TRAVELLING SCREEN FWS01C	1.00E-06	1	8.76E-03	
	TRANX	TAG - TRANSIENT EVENT		1	1.00E+00	
119	Ti0000SW	Total Loss of Service Water		1	1.00E+00	5.89E-10
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01		
	SWAASCREEN	FLAG - CONDITIONS EXIST WHERE TRAVELLING SCREENS ARE NECESSARY		0.1	1.00E-01	
	SWTSFFSWAI	PLUGGING OF TRAVELLING SCREEN FWS01A	1.00E-06	1	8.76E-03	
	SWTSFFSWBI	PLUGGING OF TRAVELLING SCREEN FWS01B	1.00E-06	1	8.76E-03	
	SWTSFFSWDI	PLUGGING OF TRAVELLING SCREEN FWS01D	1.00E-06	1	8.76E-03	
	TRANX	TAG - TRANSIENT EVENT		1	1.00E+00	
120	Ti0000SW	Total Loss of Service Water		1	1.00E+00	5.89E-10
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01		
	SWAASCREEN	FLAG - CONDITIONS EXIST WHERE TRAVELLING SCREENS ARE NECESSARY		0.1	1.00E-01	
	SWTSFFSWAI	PLUGGING OF TRAVELLING SCREEN FWS01A	1.00E-06	1	8.76E-03	
	SWTSFFSWCI	PLUGGING OF TRAVELLING SCREEN FWS01C	1.00E-06	1	8.76E-03	
	SWTSFFSWDI	PLUGGING OF TRAVELLING SCREEN FWS01D	1.00E-06	1	8.76E-03	
	TRANX	TAG - TRANSIENT EVENT		1	1.00E+00	
121	Ti0000SW	Total Loss of Service Water		1	1.00E+00	5.89E-10
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01		
	SWAASCREEN	FLAG - CONDITIONS EXIST WHERE TRAVELLING SCREENS ARE NECESSARY		0.1	1.00E-01	
	SWTSFFSWBI	PLUGGING OF TRAVELLING SCREEN FWS01B	1.00E-06	1	8.76E-03	
	SWTSFFSWCI	PLUGGING OF TRAVELLING SCREEN FWS01C	1.00E-06	1	8.76E-03	
	SWTSFFSWDI	PLUGGING OF TRAVELLING SCREEN FWS01D	1.00E-06	1	8.76E-03	
	TRANX	TAG - TRANSIENT EVENT		1	1.00E+00	
122	Ti0000SW	Total Loss of Service Water		1	1.00E+00	5.85E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01		
	SWMMSWPART	FAILURES OF SERVICE WATER PUMP A TO RUN	2.05E-04	2.05E-04		
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02		
	TRANX	TAG - TRANSIENT EVENT		1	1.00E+00	
123	Ti0000SW	Total Loss of Service Water		1	1.00E+00	5.56E-10
	AXCCPSGINB	Common cause failure of check valves 9705A and 9705B to open	6.35E-06	6.35E-06		
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01		
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04		
	TRANX	TAG - TRANSIENT EVENT		1	1.00E+00	
124	Ti0000SW	Total Loss of Service Water		1	1.00E+00	5.46E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01		
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01		
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01		
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03		
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AFTM0TDAFW	TDAFW Pump Train out-of-service for maintenance	0.02	1.90E-02		
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01		
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04		
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
125	Ti0000SW	Total Loss of Service Water		1	1.00E+00	5.23E-10
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02		
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01		
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01		
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03		
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01		
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04		
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
126	Ti0000SW	Total Loss of Service Water		1	1.00E+00	5.06E-10
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01		
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01		
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01		
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03		
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01		
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04		
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01		
127	Ti0000SW	Total Loss of Service Water		1	1.00E+00	4.96E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01		
	SWMMSWPART	FAILURES OF SW PUMP C TO RUN	2.05E-04	2.05E-04		
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02		
	TRANX	TAG - TRANSIENT EVENT		1	1.00E+00	
128	Ti0000SW	Total Loss of Service Water		1	1.00E+00	4.92E-10
	FSXV8549	MANUAL VALVE 8549 TRANSFERS CLOSED	1.94E-07	24	4.66E-06	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01		
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04		
	TRANX	TAG - TRANSIENT EVENT		1	1.00E+00	
129	Ti0000SW	Total Loss of Service Water		1	1.00E+00	4.75E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C train	0.02	2.29E-02		
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02		

NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWMM05WPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03	
SWTMPUMPC	SW Pump C in maintenance		0.04	3.56E-02	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
130 TI0000SW	Total Loss of Service Water		1	1.00E+00	4.64E-10
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWCCPUMPS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
131 TI0000SW	Total Loss of Service Water		1	1.00E+00	4.64E-10
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWCCPUMPS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
132 TI0000SW	Total Loss of Service Water		1	1.00E+00	4.48E-10
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip		2.12E-03	2.12E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 18 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97	9.67E-01	
RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
133 TI0000SW	Total Loss of Service Water		1	1.00E+00	4.46E-10
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip		2.12E-03	2.12E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage		0.97	9.67E-01	
RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
134 TI0000SW	Total Loss of Service Water		1	1.00E+00	4.42E-10
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRT767	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZD00518N	Motor-Operated Valve 518 Is Not Closed Due To PORV Leakage		0.97	9.67E-01	
RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
135 TI0000SW	Total Loss of Service Water		1	1.00E+00	4.42E-10
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 18 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97	9.67E-01	
RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
136 TI0000SW	Total Loss of Service Water		1	1.00E+00	4.40E-10
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 787 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01	
CVAACHPMPB	FLAG - CHARGING PUMP C RUNNING		0.58	5.77E-01	
CVTMCHMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE		0.08	8.21E-02	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 18 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
137 TI0000SW	Total Loss of Service Water		1	1.00E+00	4.36E-10
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 787 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01	
CVAACHPMPB	FLAG - CHARGING PUMP C RUNNING		0.58	5.77E-01	
CVTMCHMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE		0.08	8.21E-02	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 18 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
138 TI0000SW	Total Loss of Service Water		1	1.00E+00	4.17E-10

	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C Train		0.02	2.29E-02	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03		
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
139	TI0000SW	Total Loss of Service Water		1	1.00E+00	4.10E-10
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	CVHFDSUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA		0.02	2.40E-02	
	CVMM00110B	AOV 110B FAILS TO OPEN OR TRANSFERS CLOSED	8.83E-04	8.83E-04		
	CVMM00112B	AOV 112B FAILS TO OPEN ON DEMAND		0.18	1.83E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04		
140	TI0000SW	Total Loss of Service Water		1	1.00E+00	4.08E-10
	FSXVK8549	MANUAL VALVE 8549 TRANSFERS CLOSED	1.94E-07	24	4.86E-06	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04		
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
141	TI0000SW	Total Loss of Service Water		1	1.00E+00	4.08E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03		
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AFMM0TDAFW	Failure of TDAFW pump train components		0.01	1.17E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04		
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
142	TI0000SW	Total Loss of Service Water		1	1.00E+00	4.04E-10
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03		
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	CVHFDSUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA		0.02	2.40E-02	
	CVMM00112B	AOV 112B FAILS TO OPEN ON DEMAND		0.18	1.83E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	IBAABUSBMX	FLAG - Instrument Bus B on Normal Supply		1	9.99E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04		
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
143	TI0000SW	Total Loss of Service Water		1	1.00E+00	4.01E-10
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03		
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	CVHFDSUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA		0.02	2.40E-02	
	CVMM00112B	AOV 112B FAILS TO OPEN ON DEMAND		0.18	1.83E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	IBAABUSBMX	FLAG - Instrument Bus B on Normal Supply		1	9.99E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04		
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
144	TI0000SW	Total Loss of Service Water		1	1.00E+00	3.80E-10
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M		0.02	1.67E-02	
	AXXVK9702D	Manual valve 9702D transfers closed	1.07E-07	87624	9.38E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04		
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
145	TI0000SW	Total Loss of Service Water		1	1.00E+00	3.80E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03		
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03		
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
146	TI0000SW	Total Loss of Service Water		1	1.00E+00	3.74E-10
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	CVHFDSUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA		0.02	2.40E-02	
	CVMM00110B	AOV 110B FAILS TO OPEN OR TRANSFERS CLOSED	8.83E-04	8.83E-04		
	CVMM7005/A	VALVES IN INSTRUMENT AIR LINE TO SOV 14206S AND AOV 112C FAIL CLOSED		0.17	1.67E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04		
147	TI0000SW	Total Loss of Service Water		1	1.00E+00	3.69E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03		
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	

148	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due To PORV Leakage	0.97	9.67E-01	
	RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03
	SLO	TAG - SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTION	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES	1	1.00E+00	
	Total Loss of Service Water		1	1.00E+00	3.69E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage	0.97	9.67E-01	
	RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03
	SLO	TAG - SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTION	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES	1	1.00E+00	
	Total Loss of Service Water		1	1.00E+00	3.69E-10
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	CVHFD SUCTION	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
	CVMM7005/A	VALVES IN INSTRUMENT AIR LINE TO SOV 14206S AND AOV 112C FAIL CLOSED	0.17	1.67E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	IBAABUSBMX	FLAG - Instrument Bus B on Normal Supply	1	9.99E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	Total Loss of Service Water		1	1.00E+00	3.69E-10
150	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANX	TAG - TRANSIENT EVENT	1	1.00E+00	
	Total Loss of Service Water		1	1.00E+00	3.68E-10
151	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C Train	0.02	2.29E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANX	TAG - TRANSIENT EVENT	1	1.00E+00	
	Total Loss of Service Water		1	1.00E+00	3.68E-10
152	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage	0.97	9.67E-01	
	RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03
	SLO	TAG - SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTION	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES	1	1.00E+00	
	Total Loss of Service Water		1	1.00E+00	3.68E-10
153	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due To PORV Leakage	0.97	9.67E-01	
	RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03
	SLO	TAG - SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTION	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES	1	1.00E+00	
	Total Loss of Service Water		1	1.00E+00	3.68E-10
154	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	CVHFD SUCTION	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
	CVMM7005/A	VALVES IN INSTRUMENT AIR LINE TO SOV 14206S AND AOV 112C FAIL CLOSED	0.17	1.67E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	IBAABUSBMX	FLAG - Instrument Bus B on Normal Supply	1	9.99E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	Total Loss of Service Water		1	1.00E+00	3.68E-10
155	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	

	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
156	TI0000SW	Total Loss of Service Water	1	1.00E+00 3.65E-10
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 787 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	AXMMSAFWPC	Failure of SAFW Pump 1C train	0.02	2.29E-02
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
157	TI0000SW	Total Loss of Service Water	1	1.00E+00 3.64E-10
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 787 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPR787	Loss of Offsite Circuit 787 Following Reactor Trip	2.12E-03	2.12E-03
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01
	CVAACHPMPB	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
	SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
158	TI0000SW	Total Loss of Service Water	1	1.00E+00 3.61E-10
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 787 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01
	CVAACHPMPB	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
	SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
159	TI0000SW	Total Loss of Service Water	1	1.00E+00 3.40E-10
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	CVHFDUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02
	CVMM00110B	AOV 110B FAILS TO OPEN OR TRANSFERS CLOSED	8.83E-04	8.83E-04
	CVMM00112B	AOV 112B FAILS TO OPEN ON DEMAND	0.18	1.83E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
	SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
160	TI0000SW	Total Loss of Service Water	1	1.00E+00 3.36E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	AFMM0TDAFW	Failure of TDAFW pump train components	0.01	1.17E-02
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00
	SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
161	TI0000SW	Total Loss of Service Water	1	1.00E+00 3.38E-10
	AXMMSAFWPC	Failure of SAFW Pump 1C train	0.02	2.29E-02
	AXTMASAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M	0.01	1.48E-02
	AXXVK9702D	Manual valve 9702D transfers closed	1.07E-07	87624 9.38E-03
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
162	TI0000SW	Total Loss of Service Water	1	1.00E+00 3.35E-10
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPR787	Loss of Offsite Circuit 787 Following Reactor Trip	2.12E-03	2.12E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	CVHFDUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02
	CVMM00112B	AOV 112B FAILS TO OPEN ON DEMAND	0.18	1.83E-01
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	IBAABUSBMX	FLAG - Instrument Bus B on Normal Supply	1	9.99E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
	SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
163	TI0000SW	Total Loss of Service Water	1	1.00E+00 3.32E-10
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	CVHFDUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02
	CVMM00112B	AOV 112B FAILS TO OPEN ON DEMAND	0.18	1.83E-01
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	IBAABUSBMX	FLAG - Instrument Bus B on Normal Supply	1	9.99E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00

	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
184	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.15E-10
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M	0.02	1.67E-02	
	AXXVK9702D	Manual valve 9702D transfers closed	1.07E-07	87624 9.38E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
165	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.10E-10
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVHFDSUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
	CVMM00110B	AOV 110B FAILS TO OPEN OR TRANSFERS CLOSED	8.83E-04	8.83E-04	
	CVMM7005/A	VALVES IN INSTRUMENT AIR LINE TO SOV 14206S AND AOV 112C FAIL CLOSED	0.17	1.67E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
168	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.06E-10
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPR767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	CVHFDSUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
	CVMM7005/A	VALVES IN INSTRUMENT AIR LINE TO SOV 14206S AND AOV 112C FAIL CLOSED	0.17	1.67E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	IBAABUSBMX	FLAG - Instrument Bus B on Normal Supply	1	9.99E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
167	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.06E-10
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPR767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
168	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.05E-10
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPR767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C Train	0.02	2.29E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
169	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.03E-10
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPR767	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	CVHFDSUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA	0.02	2.40E-02	
	CVMM7005/A	VALVES IN INSTRUMENT AIR LINE TO SOV 14206S AND AOV 112C FAIL CLOSED	0.17	1.67E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	IBAABUSBMX	FLAG - Instrument Bus B on Normal Supply	1	9.99E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
170	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.03E-10
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPR767	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
171	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.02E-10
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPR767	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C Train	0.02	2.29E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
172	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.97E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPR767	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	

ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00
SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
173 TI0000SW	Total Loss of Service Water		1	1.00E+00 2.90E-10
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
ACA2DLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
174 TI0000SW	Total Loss of Service Water		1	1.00E+00 2.90E-10
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
ACA2DLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
175 TI0000SW	Total Loss of Service Water		1	1.00E+00 2.86E-10
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M		0.02	1.67E-02
AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M		0.01	1.48E-02
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
176 TI0000SW	Total Loss of Service Water		1	1.00E+00 2.80E-10
AXHFD5AFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)		5.19E-03	5.19E-03
FSAZCORR03	Correcion Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01
SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation		0.42	4.21E-01
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
177 TI0000SW	Total Loss of Service Water		1	1.00E+00 2.80E-10
AXHFD5AFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)		5.19E-03	5.19E-03
FSAZCORR03	Correcion Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation		0.42	4.21E-01
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01
SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
178 TI0000SW	Total Loss of Service Water		1	1.00E+00 2.80E-10
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97	9.67E-01
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02
RCRZT0431C	PORV PCV-431C Fails To Reset After Steam Relief	5.00E-03	1	5.00E-03
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00
179 TI0000SW	Total Loss of Service Water		1	1.00E+00 2.80E-10
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage		0.97	9.67E-01
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02
RCRZT00430	PORV PCV-430 Fails To Reset After Steam Relief	5.00E-03	1	5.00E-03
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00
180 TI0000SW	Total Loss of Service Water		1	1.00E+00 2.78E-10
AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02
AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M		0.01	1.48E-02
AXXVK9702D	Manual valve 9702D transfers closed	1.07E-07	87624	8.38E-03
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SWCXXSUCT1	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
181 TI0000SW	Total Loss of Service Water		1	1.00E+00 2.77E-10
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
ACLOPR751	Loss of Offsite Circuit 751 Following Reactor Trip		2.12E-03	2.12E-03
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint		3.00E-03	3.00E-03
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01

	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
182	Ti0000SW	Total Loss of Service Water	1	1.00E+00 2.77E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint	3.00E-03	3.00E-03
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
183	Ti0000SW	Total Loss of Service Water	1	1.00E+00 2.74E-10
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation	0.42	4.21E-01
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01
	SWCCPUMPS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04
	SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
184	Ti0000SW	Total Loss of Service Water	1	1.00E+00 2.74E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint	3.00E-03	3.00E-03
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
185	Ti0000SW	Total Loss of Service Water	1	1.00E+00 2.74E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint	3.00E-03	3.00E-03
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
186	Ti0000SW	Total Loss of Service Water	1	1.00E+00 2.73E-10
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	CVMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START	3.28E-03	3.28E-03
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03
187	Ti0000SW	Total Loss of Service Water	1	1.00E+00 2.68E-10
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03
	SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN	0.02	2.47E-02
	SWMMSWPCR1	FAILURES OF SW PUMP C TO RUN	0.02	2.47E-02
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
188	Ti0000SW	Total Loss of Service Water	1	1.00E+00 2.61E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
189	Ti0000SW	Total Loss of Service Water	1	1.00E+00 2.42E-10
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	ACMMSST016	Transformer PXABSS016 Faults	8.40E-05	8.40E-05
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01
	CVAACHMPMC	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01
	CVTMCHMPMA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
190	Ti0000SW	Total Loss of Service Water	1	1.00E+00 2.32E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	AFHFDALTTD	OPERATORS FAIL TO PROVIDE COOLING TO TDAFW LUBE OIL FROM DIESEL FIRE PUMP	6.70E-03	6.70E-03
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01

	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
191	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.31E-10
	AXCCPDISCB	Common cause failure of check valves 9700A and 9700B to open	2.18E-06	2.18E-06	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
192	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.29E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint	3.00E-03	3.00E-03	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTION	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
193	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.29E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint	3.00E-03	3.00E-03	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTION	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
194	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.27E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint	3.00E-03	3.00E-03	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTION	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
195	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.27E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint	3.00E-03	3.00E-03	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTION	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
196	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.24E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M	0.02	1.67E-02	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M	0.01	1.48E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
197	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.19E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage	0.97	9.67E-01	
	RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min	0.05	5.00E-02	
	RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1.50E-03	
	SLO	TAG - SMALL LOCA SEQUENCE	1	1.00E+00	
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES	1	1.00E+00	
198	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.19E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage	0.97	9.67E-01	
	RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min	0.05	5.00E-02	
	RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1.50E-03	
	SLO	TAG - SMALL LOCA SEQUENCE	1	1.00E+00	
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES	1	1.00E+00	
199	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.19E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M	0.02	1.67E-02	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M	0.01	1.48E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
200	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.19E-10
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1.85E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M	0.02	1.67E-02	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M	0.01	1.48E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
201	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.14E-10
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03	
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00	

NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation		0.42	4.21E-01	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
202	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.14E-10
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97	9.67E-01	
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02	
RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
203	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.14E-10
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage		0.97	9.67E-01	
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02	
RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
204	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.14E-10
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97	9.67E-01	
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02	
RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
205	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.14E-10
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage		0.97	9.67E-01	
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02	
RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
206	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.11E-10
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPR787	Loss of Offsite Circuit 787 Following Reactor Trip	2.12E-03	2.12E-03		
CVHFDSUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA		0.02	2.40E-02	
IAAACA02R	FLAG - SA COMPRESSOR CSA02 RUNNING AND SUPPLYING IA		0.95	9.50E-01	
IAHFDCSA04	OPERATORS FAIL TO PLACE THE DIESEL AIR COMPRESSOR IN SERVICE		0.1	1.00E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
207	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.09E-10
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)		5.19E-03	5.19E-03	
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
SWMM0SWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03		
SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02	
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
208	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.09E-10
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPR787	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03		
CVHFDSUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA		0.02	2.40E-02	
IAAACA02R	FLAG - SA COMPRESSOR CSA02 RUNNING AND SUPPLYING IA		0.95	9.50E-01	
IAHFDCSA04	OPERATORS FAIL TO PLACE THE DIESEL AIR COMPRESSOR IN SERVICE		0.1	1.00E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
209	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.05E-10
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)		5.19E-03	5.19E-03	
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02	
SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02	
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
210	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.05E-10
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)		5.19E-03	5.19E-03	
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02	
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	

211	Ti0000SW	Total Loss of Service Water		1	1.00E+00	2.03E-10
	ACMMSST014	480 VAC Bus 14 Transformer PXABSS014 Faults		8.40E-05	8.40E-05	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
212	Ti0000SW	Total Loss of Service Water		1	1.00E+00	2.03E-10
	ACMMSST018	Transformer PXABSS018 Faults		8.40E-05	8.40E-05	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
213	Ti0000SW	Total Loss of Service Water		1	1.00E+00	2.03E-10
	AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint		3.00E-03	3.00E-03	
	AXMMSGBSAF	Failure of SAFW injection line to S/G B		6.39E-04	6.39E-04	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
214	Ti0000SW	Total Loss of Service Water		1	1.00E+00	2.01E-10
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACMMSST016	Transformer PXABSS016 Faults		8.40E-05	8.40E-05	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01	
	CVAACHPMPD	FLAG - CHARGING PUMP C RUNNING		0.58	5.77E-01	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE		0.08	8.21E-02	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCXXSUCTION	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
215	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.97E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M		0.02	1.87E-02	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M		0.01	1.48E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
216	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.93E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 787 TO BUS 12A)		0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AFHFDALTTD	OPERATORS FAIL TO PROVIDE COOLING TO TDAFW LUBE OIL FROM DIESEL FIRE PUMP		8.70E-03	8.70E-03	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWCXXSUCTION	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
217	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.92E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97	9.67E-01	
	RCHFDPLUCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02	
	RRCZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
	SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
218	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.92E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage		0.97	9.67E-01	
	RCHFDPLUCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02	
	RRCZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
	SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
219	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.91E-10
	AXCCPDISCB	Common cause failure of check valves 9700A and 9700B to open		2.18E-06	2.18E-06	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCXXSUCTION	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
220	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.85E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 787 TO BUS 12A)		0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
221	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.85E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 787 TO BUS 12A)		0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	

	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
222	Ti0000SW	Total Loss of Service Water		1	1.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	AXXVNO9728	3 way valve 9728 fails to operate	1.00E-03	1	1.00E-03
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
223	Ti0000SW	Total Loss of Service Water		1	1.00E+00
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)		1.50E-03	1.50E-03
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01
	SWCVC04603	Service Water Pump PSW01C Discharge Check Valve 4603 Fails To Close On Demand	5.84E-04	1	5.84E-04
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
224	Ti0000SW	Total Loss of Service Water		1	1.00E+00
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO TM		0.02	1.87E-02
	AXTMSAFWAB	SAFW cross-connect line out-of-service for maintenance		4.33E-03	4.33E-03
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
225	Ti0000SW	Total Loss of Service Water		1	1.00E+00
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03
	CVHFDSUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA		0.02	2.40E-02
	IAAACS02R	FLAG - SA COMPRESSOR CSA02 RUNNING AND SUPPLYING IA		0.95	9.50E-01
	IAHFDCA04	OPERATORS FAIL TO PLACE THE DIESEL AIR COMPRESSOR IN SERVICE		0.1	1.00E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04
226	Ti0000SW	Total Loss of Service Water		1	1.00E+00
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	CVHFDSUCTN	Operators Fail to Manually Open Suction Line Upon Loss of IA		0.02	2.40E-02
	IAAACS02R	FLAG - SA COMPRESSOR CSA02 RUNNING AND SUPPLYING IA		0.95	9.50E-01
	IAHFDCA04	OPERATORS FAIL TO PLACE THE DIESEL AIR COMPRESSOR IN SERVICE		0.1	1.00E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04
227	Ti0000SW	Total Loss of Service Water		1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)		0.1	1.00E-01
	AFMT0TDAFW	TDAFW Pump Train out-of-service for maintenance		0.02	1.90E-02
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
228	Ti0000SW	Total Loss of Service Water		1	1.00E+00
	ACMMSST014	480 VAC Bus 14 Transformer PXABSS014 Faults		8.40E-05	8.40E-05
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
229	Ti0000SW	Total Loss of Service Water		1	1.00E+00
	ACMMSST016	Transformer PXABSS016 Faults		8.40E-05	8.40E-05
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
230	Ti0000SW	Total Loss of Service Water		1	1.00E+00
	AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint		3.00E-03	3.00E-03
	AXMMSGBSAF	Failure of SAFW injection line to S/G B		6.39E-04	6.39E-04
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
231	Ti0000SW	Total Loss of Service Water		1	1.00E+00
	AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint		3.00E-03	3.00E-03
	AXMMSGASAF	Failure of SAFW injection line to S/G A		4.97E-04	4.97E-04

	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
232	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.55E-10
	AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M		0.01	1.48E-02	
	AXTMSAFWAB	SAFW cross-connect line out-of-service for maintenance		4.33E-03	4.33E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
233	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.45E-10
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M		0.02	1.87E-02	
	AXTMSAFWAB	SAFW cross-connect line out-of-service for maintenance		4.33E-03	4.33E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
234	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.43E-10
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)		0.1	1.00E-01	
	AFTMOTDAFW	TDAFW Pump Train out-of-service for maintenance		0.02	1.90E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
235	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.40E-10
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	CVMMRCPPIFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03		
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	
	SWCVC04602	Service Water Pump PSW01B Discharge Check Valve 4602 Fails To Close On Demand	5.84E-04	1	5.84E-04	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02	
236	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.36E-10
	ACMMMCC01C	480 VAC Motor Control Center MCCC Faults	5.82E-05	5.82E-05		
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
237	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.36E-10
	ACMMMCC01L	480 VAC Motor Control Center MCCL Faults	5.82E-05	5.82E-05		
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
238	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.36E-10
	ACMMMCC01D	480 VAC Motor Control Center MCCD Faults	5.82E-05	5.82E-05		
	AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
239	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.36E-10
	ACMMMCC01M	480 VAC Motor Control Center MCCM Faults	5.82E-05	5.82E-05		
	AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
240	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.31E-10
	AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint	3.00E-03	3.00E-03		
	AXMMSGASAF	Failure of SAFW Injection line to S/G A	4.97E-04	4.97E-04		
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
241	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.28E-10
	AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M		0.01	1.48E-02	
	AXTMSAFWAB	SAFW cross-connect line out-of-service for maintenance		4.33E-03	4.33E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
242	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.25E-10
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	CVMMRCPPIFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03		
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03		
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03		
243	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.25E-10
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	CVMMRCPPIFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03		
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START	3.28E-03	3.28E-03		
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03		

244	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.24E-10
	MLO	TAG - MEDIUM LOCA SEQUENCE		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97	9.87E-01	
	RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due to PORV Leakage		0.97	9.87E-01	
	RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02	
	RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
	RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	TLMTRANS	TAG - TRANSIENT INDUCED MEDIUM LOCA SEQUENCES		1	1.00E+00	
245	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.23E-10
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)		1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
	SWVC04804	Service Water Pump PSW01D Discharge Check Valve 4804 Fails To Close On Demand	5.84E-04	1	5.84E-04	
	SWPMPDINIT	TAG - SW PUMP D FAILS AS AN INITIATING EVENT		1	1.00E+00	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
246	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.21E-10
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip		2.12E-03	2.12E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	CVMMPC1AF	CHARGING PUMP PCH01A FAILS TO RUN		1.31E-03	1.31E-03	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
247	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.20E-10
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	CVMMPC1AF	CHARGING PUMP PCH01A FAILS TO RUN		1.31E-03	1.31E-03	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
248	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.19E-10
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	AXXVNO9728	3 way valve 9728 fails to operate	1.00E-03	1	1.00E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
	SWVC04803	Service Water Pump PSW01C Discharge Check Valve 4803 Fails To Close On Demand	5.84E-04	1	5.84E-04	
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
249	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.15E-10
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AFTMOTDAFW	TDAFW Pump Train out-of-service for maintenance		0.02	1.90E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 18 AND 17		1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
250	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.13E-10
	ACMMCC01C	480 VAC Motor Control Center MCCC Faults		5.62E-05	5.62E-05	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
251	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.13E-10
	ACMMCC01L	480 VAC Motor Control Center MCCL Faults		5.62E-05	5.62E-05	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
252	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.13E-10
	ACMMCC01D	480 VAC Motor Control Center MCCC Faults		5.62E-05	5.62E-05	
	AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
253	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.13E-10
	ACMMCC01M	480 VAC Motor Control Center MCCM Faults		5.62E-05	5.62E-05	
	AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
254	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.08E-10
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)		1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	

SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWMM5WPDRT	FAILURES OF SW PUMP D TO RUN	2.05E-04	2.05E-04	
SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
255 TI0000SW	Total Loss of Service Water	1	1.00E+00	1.07E-10
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)	0.1	1.00E-01	
AFM0M0TDAFW	Failure of TDAFW pump train components	0.01	1.17E-02	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
256 TI0000SW	Total Loss of Service Water	1	1.00E+00	1.04E-10
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00	
DG1ARUN	FLAG - DG A IS RUNNING AND TIED TO BUSES 14 AND 18	0.03	3.00E-02	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
DGAZRUNDGA	DG A TRIPS FOLLOWING AN SI OR LOOP EVENT GIVEN THAT IT WAS RUNNING AN TIED TO BUS	0.1	1.00E-01	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
257 TI0000SW	Total Loss of Service Water	1	1.00E+00	1.04E-10
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
AFHFLTDAFW	Failure to restore TDAFW pump train to service post test/maintenance	3.00E-03	3.00E-03	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
258 TI0000SW	Total Loss of Service Water	1	1.00E+00	1.02E-10
MLO	TAG - MEDIUM LOCA SEQUENCE	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage	0.97	9.67E-01	
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage	0.97	9.67E-01	
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min	0.05	5.00E-02	
RCRZT00430	PORV PCV-430 Fails To Reset After Steam Relief	5.00E-03	1	5.00E-03
RCRZT0431C	PORV PCV-431C Fails To Reset After Steam Relief	5.00E-03	1	5.00E-03
SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
TLMTRANS	TAG - TRANSIENT INDUCED MEDIUM LOCA SEQUENCES	1	1.00E+00	
259 TI0000SW	Total Loss of Service Water	1	1.00E+00	1.02E-10
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
AXCCSSAFWA	Common cause failure of SAFW Pumps 1C and 1D to start	8.79E-05	8.79E-05	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
263 TI0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPR751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
264 TI0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
265 TI0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPR751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	

	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
266	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
267	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
268	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
269	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCPUMPS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
270	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWMMGWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.58E-02	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
271	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	

SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01
272 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01
273 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
274 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
SWMM0SWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
275 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
276 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
277 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00

SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01	
278 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACB2FIBS18	Local Fault on 480 VAC Bus 18		1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01	
279 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACB2FIBS18	Local Fault on 480 VAC Bus 18		1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01	
280 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACB2FIBS18	Local Fault on 480 VAC Bus 18		1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
281 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACB2FIBS18	Local Fault on 480 VAC Bus 18		1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
282 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACB2FIBS18	Local Fault on 480 VAC Bus 18		1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
283 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	

SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
284 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 787 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRT787	Loss of Offsite Circuit 787 Following Reactor Trip	2.12E-03	2.12E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
285 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 787 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRT787	Loss of Offsite Circuit 787 Following Reactor Trip	2.12E-03	2.12E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCHF000RCP	Operators Fail to Trip RCPs After Loss of Support Systems	0.02	1.61E-02	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
286 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 787 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRT787	Loss of Offsite Circuit 787 Following Reactor Trip	2.12E-03	2.12E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCHF000RCP	Operators Fail to Trip RCPs After Loss of Support Systems	0.02	1.61E-02	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
287 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 787 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
288 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 787 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
289 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 787 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	

ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
RCHFD00RCP	Operators Fail to Trip RCPs After Loss of Support Systems	0.02	1.61E-02
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
291 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01
292 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01
293 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01
294 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01
295 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01
296 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00

AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRT787	Loss of Offsite Circuit 787 Following Reactor Trip	2.12E-03	2.12E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
SWCXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01
297 T10000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
DGAAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENERGIZED	0.12	1.23E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (32/2052 hrs)	0.02	1.86E-02
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
298 T10000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72 7.27E-05
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
299 T10000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72 7.27E-05
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
300 T10000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
301 T10000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
302 T10000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00

	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
303	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
304	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCHFD00RCP	Operators Fail to Trip RCPs After Loss of Support Systems		0.02	1.61E-02
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
305	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01
	CVAACHPMPC	FLAG - CHARGING PUMP C RUNNING		0.58	5.77E-01
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE		0.08	8.21E-02
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
306	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
307	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01
	SWCVC04603	Service Water Pump PSW01C Discharge Check Valve 4603 Fails To Close On Demand	5.84E-04	1	5.84E-04
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
308	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00

	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
309	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
310	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
311	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
312	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip		2.12E-03	2.12E-03	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01	
313	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip		2.12E-03	2.12E-03	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01	
314	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	

	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	DGDGF0001B	DIESEL GENERATOR KDG01B FAILS TO RUN	1.41E-03	24	3.38E-02
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
315	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	DGDGF0001B	DIESEL GENERATOR KDG01B FAILS TO RUN	1.41E-03	24	3.38E-02
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
316	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	DGTM00001B	DIESEL GENERATOR KDG01B UNAVAILABLE DUE TO TESTING OR MAINTENANCE	0.01	1.49E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
317	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	DGCC0000RUN	DIESEL GENERATORS FAIL TO RUN (COMMON CAUSE)	1.38E-03	1.38E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
318	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	DGCC0000RUN	DIESEL GENERATORS FAIL TO RUN (COMMON CAUSE)	1.38E-03	1.38E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
319	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	DGDGF0001A	DIESEL GENERATOR KDG01A FAILS TO RUN	1.41E-03	24	3.38E-02
	DGDGF0001B	DIESEL GENERATOR KDG01B FAILS TO RUN	1.41E-03	24	3.38E-02
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
320	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTRALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	

	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
	SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation	0.42	4.21E-01
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01
	SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
321	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRtALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01
	SWMMSWPDR1	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02
	SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
322	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRtALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
323	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRtALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
324	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRtALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	RCHFD00RCP	Operators Fail to Trip RCPs After Loss of Support Systems	0.02	1.61E-02
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
325	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRtALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	RCHFD00RCP	Operators Fail to Trip RCPs After Loss of Support Systems	0.02	1.61E-02
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
326	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRtALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	DG1ARUN	FLAG - DG A IS RUNNING AND TIED TO BUSES 14 AND 18	0.03	3.00E-02
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	DGAZRUNDGA	DG A TRIPS FOLLOWING AN SI OR LOOP EVENT GIVEN THAT IT WAS RUNNING AN TIED TO BUS	0.1	1.00E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00

SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
327 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
DG1ARUN	FLAG - DG A IS RUNNING AND TIED TO BUSES 14 AND 18	0.03	3.00E-02	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
DGAZRUNDGA	DG A TRIPS FOLLOWING AN SI OR LOOP EVENT GIVEN THAT IT WAS RUNNING AN TIED TO BUS	0.1	1.00E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
328 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
329 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
330 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
331 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
CVMRCPFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
DGAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENERGIZED	0.12	1.23E-01	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (32/2052 hrs)	0.02	1.66E-02	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
332 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
CVAACHPMPD	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
CVHDFPMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP	1.00E-03	1.00E-03	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
333 T10000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AAAATRANSI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
CVMRCPFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	

	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILOGICAL CUTSETS		0	0.00E+00
334	Tl0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING		0.58	5.77E-01
	CVAACHMPMB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01
	CVAACHMPMC	FLAG - CHARGING PUMP C RUNNING		0.58	5.77E-01
	CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP		1.00E-03	1.00E-03
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
335	Tl0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING		0.58	5.77E-01
	CVAACHMPMB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01
	CVAACHMPMC	FLAG - CHARGING PUMP C RUNNING		0.58	5.77E-01
	CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP		1.00E-03	1.00E-03
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
336	Tl0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING		0.58	5.77E-01
	CVAACHMPMB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01
	CVAACHMPMC	FLAG - CHARGING PUMP C RUNNING		0.58	5.77E-01
	CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP		1.00E-03	1.00E-03
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
337	Tl0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING		0.58	5.77E-01
	CVAACHMPMB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01
	CVAACHMPMC	FLAG - CHARGING PUMP C RUNNING		0.58	5.77E-01
	CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP		1.00E-03	1.00E-03
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
338	Tl0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING		0.58	5.77E-01
	CVAACHMPMB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01
	CVAACHMPMC	FLAG - CHARGING PUMP C RUNNING		0.58	5.77E-01
	CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP		1.00E-03	1.00E-03
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
339	Tl0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	CVCCMPFABC	COMMON CAUSE FAILURE OF THE CHARGING PUMPS TO RUN		1.36E-05	1.36E-05
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
340	Tl0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	CVMMRCPAFP	NO FLOW FROM SEAL INJECTION FILTER A TO RCP A SEAL		4.88E-05	4.88E-05
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
341	Tl0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	CVMMRCPALP	NO FLOW THROUGH SEAL LEAKOFF PATH FROM RCP A TO COMMON HEADER		5.34E-05	5.34E-05
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00

SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
342 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
CVMRCPBFP	NO FLOW PATH TO RCP B SEAL FROM SEAL INJECTION FILTER	4.88E-05	4.88E-05		
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
343 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
CVMRCPBFP	SEAL LEAKOFF PATH FROM RCP B OBSTRUCTED	5.34E-05	5.34E-05		
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
344 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
CVMRCPBFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03		
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
345 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
CVMRCPBFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03		
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
RCHFD00RCP	Operators Fail to Trip RCPs After Loss of Support Systems		0.02	1.61E-02	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
346 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
CVPPJCVCOM	Common CVCS Piping Rupture	1.98E-06	24	4.75E-05	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
347 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING		0.58	5.77E-01	
CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01	
CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01	
CVAACHPMPB	FLAG - CHARGING PUMP C RUNNING		0.58	5.77E-01	
CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP	1.00E-03	1.00E-03		
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
348 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05	
ACTRAINB	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
CVMRCPBFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03		
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
349 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train A		1	1.00E+00	
CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING		0.58	5.77E-01	
CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01	
CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01	
CVAACHPMPB	FLAG - CHARGING PUMP C RUNNING		0.58	5.77E-01	
CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP	1.00E-03	1.00E-03		
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1	1.00E+00	
SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1	1.00E+00	
SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1	1.00E+00	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04		
350 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1	1.00E+00	
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train A		1	1.00E+00	
CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING		0.58	5.77E-01	
CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING		0.58	5.77E-01	
CVAACHPMPB	FLAG - CHARGING PUMP C RUNNING		0.58	5.77E-01	

	CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP	1.00E-03	1.00E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1 1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1 1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1 1.00E+00	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance		0.05 4.55E-02	
351	Ti0000SW	Total Loss of Service Water		1 1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1 1.00E+00	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00	
	CVAACHMPA	FLAG - CHARGING PUMP A RUNNING		0.58 5.77E-01	
	CVAACHMPB	FLAG - CHARGING PUMP B RUNNING		0.58 5.77E-01	
	CVAACHMPC	FLAG - CHARGING PUMP C RUNNING		0.58 5.77E-01	
	CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP	1.00E-03	1.00E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1 1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1 1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1 1.00E+00	
	SWTMPUMP1B	SW Pump B in maintenance		0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
352	Ti0000SW	Total Loss of Service Water		1 1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1 1.00E+00	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00	
	CVAACHMPA	FLAG - CHARGING PUMP A RUNNING		0.58 5.77E-01	
	CVAACHMPB	FLAG - CHARGING PUMP B RUNNING		0.58 5.77E-01	
	CVAACHMPC	FLAG - CHARGING PUMP C RUNNING		0.58 5.77E-01	
	CVTMCHMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE		0.08 8.21E-02	
	CVTMCHMPB	TEST OR MAINTENANCE RENDERS CHARGING PUMP B UNAVAILABLE		0.09 8.60E-02	
	CVTMCHMPC	TEST OR MAINTENANCE RENDERS CHARGING PUMP C UNAVAILABLE		0.04 3.85E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1 1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1 1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1 1.00E+00	
	SWTMPUMP1B	SW Pump B in maintenance		0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
353	Ti0000SW	Total Loss of Service Water		1 1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1 1.00E+00	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00	
	CVMMRCPAFP	NO FLOW FROM SEAL INJECTION FILTER A TO RCP A SEAL	4.88E-05	4.88E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1 1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1 1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1 1.00E+00	
	SWTMPUMP1B	SW Pump B in maintenance		0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
354	Ti0000SW	Total Loss of Service Water		1 1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1 1.00E+00	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00	
	CVMMRCPALP	NO FLOW THROUGH SEAL LEAKOFF PATH FROM RCP A TO COMMON HEADER	5.34E-05	5.34E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1 1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1 1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1 1.00E+00	
	SWTMPUMP1B	SW Pump B in maintenance		0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
355	Ti0000SW	Total Loss of Service Water		1 1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1 1.00E+00	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00	
	CVMMRCPBFP	NO FLOW PATH TO RCP B SEAL FROM SEAL INJECTION FILTER	4.88E-05	4.88E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1 1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1 1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1 1.00E+00	
	SWTMPUMP1B	SW Pump B in maintenance		0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
356	Ti0000SW	Total Loss of Service Water		1 1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1 1.00E+00	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00	
	CVMMRCPBLP	SEAL LEAKOFF PATH FROM RCP B OBSTRUCTED	5.34E-05	5.34E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1 1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1 1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1 1.00E+00	
	SWTMPUMP1B	SW Pump B in maintenance		0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
357	Ti0000SW	Total Loss of Service Water		1 1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1 1.00E+00	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00	
	CVMMRCPFP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1 1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1 1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1 1.00E+00	
	SWTMPUMP1B	SW Pump B in maintenance		0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
358	Ti0000SW	Total Loss of Service Water		1 1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1 1.00E+00	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00	
	CVPPJCVCOM	Common CVCS Piping Rupture	1.98E-06	24 4.75E-05	
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR		1 1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs		1 1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE		1 1.00E+00	
	SWTMPUMP1B	SW Pump B in maintenance		0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
359	Ti0000SW	Total Loss of Service Water		1 1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)		1 1.00E+00	

	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPD	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVCCMPAABC	COMMON CAUSE FAILURE OF CHARGING PUMPS TO START	5.78E-05	5.78E-05	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
360	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPD	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVCCMPAABC	COMMON CAUSE FAILURE OF CHARGING PUMPS TO START	5.78E-05	5.78E-05	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
361	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPD	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP	1.00E-03	1.00E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
362	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPD	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP	1.00E-03	1.00E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
363	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPD	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP	1.00E-03	1.00E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCHFD00RCP	Operators Fail to Trip RCPs After Loss of Support Systems	0.02	1.61E-02	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
364	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPD	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVHFDMPST	OPERATORS FAIL TO MANUALLY LOAD CHARGING PUMP	1.00E-03	1.00E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCHFD00RCP	Operators Fail to Trip RCPs After Loss of Support Systems	0.02	1.61E-02	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
365	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPD	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVMPCH1CA	CHARGING PUMP PCH01C FAILS TO START	1.04E-03	1.04E-03	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	CVTMCHPMPB	TEST OR MAINTENANCE RENDERS CHARGING PUMP B UNAVAILABLE	0.09	8.60E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
366	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPD	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVMPCH1CA	CHARGING PUMP PCH01C FAILS TO START	1.04E-03	1.04E-03	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	CVTMCHPMPB	TEST OR MAINTENANCE RENDERS CHARGING PUMP B UNAVAILABLE	0.09	8.60E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
367	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
	CVAACHPMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHPMPD	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVMPCH1CF	CHARGING PUMP PCH01C FAILS TO RUN	1.31E-03	1.31E-03	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	CVTMCHPMPB	TEST OR MAINTENANCE RENDERS CHARGING PUMP B UNAVAILABLE	0.09	8.60E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAS	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
368	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransi	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	

	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
	CVAACHMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHMPC	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVMMPC1CF	CHARGING PUMP PCH01C FAILS TO RUN	1.31E-03	1.31E-03	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	CVTMCHMPB	TEST OR MAINTENANCE RENDERS CHARGING PUMP B UNAVAILABLE	0.09	8.60E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
369	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
	CVAACHMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHMPC	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	CVTMCHMPB	TEST OR MAINTENANCE RENDERS CHARGING PUMP B UNAVAILABLE	0.09	8.60E-02	
	CVTMCHMPC	TEST OR MAINTENANCE RENDERS CHARGING PUMP C UNAVAILABLE	0.04	3.85E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
370	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVAACHPMPA	FLAG - CHARGING PUMP A RUNNING	0.58	5.77E-01	
	CVAACHMPB	FLAG - CHARGING PUMP B RUNNING	0.58	5.77E-01	
	CVAACHMPC	FLAG - CHARGING PUMP C RUNNING	0.58	5.77E-01	
	CVTMCHPMPA	TEST OR MAINTENANCE RENDERS CHARGING PUMP A UNAVAILABLE	0.08	8.21E-02	
	CVTMCHMPB	TEST OR MAINTENANCE RENDERS CHARGING PUMP B UNAVAILABLE	0.09	8.60E-02	
	CVTMCHMPC	TEST OR MAINTENANCE RENDERS CHARGING PUMP C UNAVAILABLE	0.04	3.85E-02	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
371	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation	0.42	4.21E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
372	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation	0.42	4.21E-01	
	SWPPJIHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
373	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMMSWPDR1	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02	
	SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
374	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWMMSWPBR1	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02	
	SWPPJIHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
375	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	AAAATransI	TAG - Transient Initiating Event Which Eventually Results in SI Conditions (Seal LOCA)	1	1.00E+00	
	CVMMRCP1FP	NO FLOW THROUGH SEAL INJECTION FILTER A (SERVES BOTH TRAINS)	1.50E-03	1.50E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	RCAZ001RCP	NO RCP SEAL COOLING FOR > 1 HOUR	1	1.00E+00	
	SEALLOCA	TAG - TRANSIENT INDUCED SEAL LOCAs	1	1.00E+00	
	SSLO	TAG - SMALL SMALL LOCA SEQUENCE	1	1.00E+00	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
	SWPPJIHDRB	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
376	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOS12	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	

	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
377	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
378	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
379	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
380	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
381	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
382	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)	0.1	1.00E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
383	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)	0.1	1.00E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	

	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01
384	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01
385	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01
388	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (Independent of AF300)	0.1	1.00E-01
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
387	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (Independent of AF300)	0.1	1.00E-01
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
388	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
389	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	ACAA0_100X	FLAG - OFFSITE POWER MODE 0/100 (CKT 751 SUPPLYING BUSES 12A AND 12B)	0.02	1.50E-02
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
390	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.58E-02
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01
391	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01

ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01	
392 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
393 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
394 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01	
395 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01	
396 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
397 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	

	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
398	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01	
399	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01	
400	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
401	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)		1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
402	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)		0.1	1.00E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01	
403	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWCCPUMPS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01	
404	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	

	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01
405	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01
406	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01
407	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (Independent of AF300)		0.1	1.00E-01
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
408	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
409	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
410	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
411	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00

	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
412	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01
413	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01
414	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01
415	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01
416	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01
417	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01
418	T10000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)		0.14	1.44E-01
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)		0.1	1.00E-01
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run		1.21E-04	1.21E-04
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01

419	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (Independent of AF300)	0.1	1.00E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
420	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
421	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
422	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (Independent of AF300)	0.1	1.00E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
423	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (Independent of AF300)	0.1	1.00E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
424	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
425	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA100_0X	FLAG - OFFSITE POWER MODE 100/0 (CKT 767 SUPPLIES BUSES 12A AND 12B)	0.14	1.44E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
426	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	

	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
427	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
428	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
429	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
430	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
431	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
432	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
433	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	

	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
434	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-08	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.58E-02	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
435	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-08	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.58E-02	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
436	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)	0.1	1.00E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
437	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)	0.1	1.00E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
438	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
439	Ti0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00	
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	

440	Tl0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)	0.1	1.00E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
441	Tl0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)	0.1	1.00E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
442	Tl0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
443	Tl0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
444	Tl0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
	ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	7.27E-05	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
445	Tl0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
446	Tl0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	

447	T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
448	T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
449	T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
450	T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
451	T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AFAX1TDAFW	TAG - TDAFW Pump operates successfully		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
452	T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWCCPUMPS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
453	T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
	ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	

SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
454 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03		
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03		
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
455 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03		
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04		
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
456 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03		
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04		
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
457 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour		0.38	3.81E-01	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03		
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ARUN	FLAG - DG A IS RUNNING AND TIED TO BUSES 14 AND 18		0.03	3.00E-02	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
DGAZRUNDGA	DG A TRIPS FOLLOWING AN SI OR LOOP EVENT GIVEN THAT IT WAS RUNNING AN TIED TO BUS		0.1	1.00E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00	
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04		
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
458 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03		
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
DGAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENERGIZED		0.12	1.23E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (32/2052 hrs)		0.02	1.68E-02	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
459 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03		
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
460 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01	
ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03		
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02	
SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
461 T10000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01	
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	

	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip		2.12E-03	2.12E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first		0.1	1.00E-01
482	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)		0.1	1.00E-01
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE		1	1.00E+00
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
483	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
484	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
485	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
486	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
487	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip		2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1	9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1	9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1	1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
488	Ti0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83	8.25E-01
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5	5.00E-01

	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINB	TAG - Failure of AC Train B		1 1.00E+00
	AXMMSAFWPC	Failure of SAFW Pump 1C train	0.02	2.29E-02
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1 1.00E+00
469	Ti0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83 8.25E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72 7.27E-05
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5 5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1 1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1 1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
470	Ti0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83 8.25E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5 5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1 1.00E+00
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)	0.1	1.00E-01
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SBO	TAG - STATION BLACKOUT SEQUENCE		1 1.00E+00
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03
	SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
471	Ti0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83 8.25E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5 5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1 1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58 5.79E-01
	SWVC04603	Service Water Pump PSW01C Discharge Check Valve 4603 Fails To Close On Demand	5.84E-04	1 5.84E-04
	SWTMPUMP1B	SW Pump B in maintenance		0.05 4.55E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1 1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
472	Ti0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83 8.25E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5 5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1 1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04
	SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1 1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
473	Ti0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83 8.25E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5 5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1 1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START	3.28E-03	3.28E-03
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03
	SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1 1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
474	Ti0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83 8.25E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5 5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1 1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
	NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02
	SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
	TRANSX	TAG - TRANSIENT EVENT		1 1.00E+00
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
475	Ti0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)		0.83 8.25E-01
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP		0.5 5.00E-01
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
	ACTRAINA	TAG - Failure of AC Train A		1 1.00E+00
	ACTRAINB	TAG - Failure of AC Train B		1 1.00E+00
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01

	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
476	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
477	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRT751	Loss of Offsite Circuit 751 Following Reactor Trip	2.12E-03	2.12E-03	
	ACLOPRT767	Loss of Offsite Circuit 767 Following Reactor Trip	2.12E-03	2.12E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWCXXSUCT1	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
	ACHFDRCOFF	Failure to recover second offsite power circuit after failure of first	0.1	1.00E-01	
478	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)	0.1	1.00E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
479	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)	0.1	1.00E-01	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00	
	SWCXXSUCT1	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
480	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	DGCC000RUN	DIESEL GENERATORS FAIL TO RUN (COMMON CAUSE)	1.38E-03	1.38E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
481	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	DGCC000RUN	DIESEL GENERATORS FAIL TO RUN (COMMON CAUSE)	1.38E-03	1.38E-03	
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWCXXSUCT1	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
482	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01	
	ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01	
	ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03	
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01	
	DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01	
	DGDGF0001A	DIESEL GENERATOR KDG01A FAILS TO RUN	1.41E-03	24	3.38E-02
	DGDGF0001B	DIESEL GENERATOR KDG01B FAILS TO RUN	1.41E-03	24	3.38E-02
	NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04	
	TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00	
483	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00

ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation	0.42	4.21E-01
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01
SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.58E-02
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
484 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01
SWMMSWPBR1	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02
SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.58E-02
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
485 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
486 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
487 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ARUN	FLAG - DG A IS RUNNING AND TIED TO BUSES 14 AND 18	0.03	3.00E-02
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
DGAZRUNDGA	DG A TRIPS FOLLOWING AN SI OR LOOP EVENT GIVEN THAT IT WAS RUNNING AN TIED TO BUS	0.1	1.00E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
488 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
ACAA50_50A	FLAG - OFFSITE POWER MODE 50/50 ALT (CKT 751 TO BUS 12B, CKT 767 TO BUS 12A)	0.83	8.25E-01
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ARUN	FLAG - DG A IS RUNNING AND TIED TO BUSES 14 AND 18	0.03	3.00E-02
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
DGAZRUNDGA	DG A TRIPS FOLLOWING AN SI OR LOOP EVENT GIVEN THAT IT WAS RUNNING AN TIED TO BUS	0.1	1.00E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
489 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18	1	9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17	1	9.97E-01
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SBO	TAG - STATION BLACKOUT SEQUENCE	1	1.00E+00
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
SWTODG	TAG - SW Lost to DG (cooling)	1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS	0	0.00E+00
490 TI0000SW	Total Loss of Service Water	1	1.00E+00 0.00E+00
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACAZDLOSP1	Failure to Restore Offsite Power Within 1 Hour	0.38	3.81E-01
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01

ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAIN A	TAG - Failure of AC Train A		1 1.00E+00
ACTRAIN B	TAG - Failure of AC Train B		1 1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SBO	TAG - STATION BLACKOUT SEQUENCE		1 1.00E+00
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
491 TI0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAIN A	TAG - Failure of AC Train A		1 1.00E+00
ACTRAIN B	TAG - Failure of AC Train B		1 1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.58E-02
SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
TRANSX	TAG - TRANSIENT EVENT		1 1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
492 TI0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAIN A	TAG - Failure of AC Train A		1 1.00E+00
ACTRAIN B	TAG - Failure of AC Train B		1 1.00E+00
AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)	0.1	1.00E-01
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SBO	TAG - STATION BLACKOUT SEQUENCE		1 1.00E+00
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
493 TI0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAIN A	TAG - Failure of AC Train A		1 1.00E+00
ACTRAIN B	TAG - Failure of AC Train B		1 1.00E+00
AFAZFAILXX	Non-Elec Failure of all MDAFW pumps (independent of AF300)	0.1	1.00E-01
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SBO	TAG - STATION BLACKOUT SEQUENCE		1 1.00E+00
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
494 TI0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAIN A	TAG - Failure of AC Train A		1 1.00E+00
ACTRAIN B	TAG - Failure of AC Train B		1 1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run	1.21E-04	1.21E-04
SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
TRANSX	TAG - TRANSIENT EVENT		1 1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
495 TI0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
ACAA50_50N	FLAG - OFFSITE POWER MODE 50/50 NORMAL (CKT 751 TO BUS 12A, CKT 767 TO BUS 12B)	0.02	1.70E-02
ACLOPNOSI2	CORRECTION FACTOR FOR NO SI CONDITION FOR LOOP	0.5	5.00E-01
ACLOPRTALL	Loss of All Off-Site Power Following Reactor Trip	2.10E-03	2.10E-03
ACTRAIN A	TAG - Failure of AC Train A		1 1.00E+00
ACTRAIN B	TAG - Failure of AC Train B		1 1.00E+00
DG1ANOTRUN	FLAG - DG 1A IS NOT RUNNING AND TIED TO BUSES 14 AND 18		1 9.97E-01
DG1BNOTRUN	FLAG - DG B IS NOT RUNNING AND TIED ONTO BUSES 16 AND 17		1 9.97E-01
NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)	1.00E-04	1.00E-04
SWTODG	TAG - SW Lost to DG (cooling)		1 1.00E+00
TRANSX	TAG - TRANSIENT EVENT		1 1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
496 TI0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03
ACTRAIN A	TAG - Failure of AC Train A		1 1.00E+00
ACTRAIN B	TAG - Failure of AC Train B		1 1.00E+00
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03
DGAAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENERGIZED	0.12	1.23E-01
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1 1.93E+00
NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (32/2052 hrs)	0.02	1.66E-02
TRANSX	TAG - TRANSIENT EVENT		1 1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
497 TI0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1 8.85E-03
ACTRAIN A	TAG - Failure of AC Train A		1 1.00E+00
ACTRAIN B	TAG - Failure of AC Train B		1 1.00E+00
AXXVNO9728	3 way valve 9728 fails to operate	1.00E-03	1 1.00E-03
DGAAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENERGIZED	0.12	1.23E-01
NOSBO	TAG - NO STATION BLACKOUT		1 1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (32/2052 hrs)	0.02	1.66E-02
TRANSX	TAG - TRANSIENT EVENT		1 1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0 0.00E+00
498 TI0000SW	Total Loss of Service Water		1 1.00E+00 0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1 8.85E-03
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72 7.27E-05
ACTRAIN A	TAG - Failure of AC Train A		1 1.00E+00

ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AXHFDASFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
499 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AXMMSAFWPC	Failure of SAFW Pump 1C Train		0.02	2.29E-02	
AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
500 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M		0.02	1.67E-02	
AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M		0.01	1.48E-02	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
501 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AXXV09728	3 way valve 9728 fails to operate	1.00E-03	1	1.00E-03	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
502 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97	9.87E-01	
RCHFDLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/In 3 Min		0.05	5.00E-02	
RCRZT0431C	PORV PCV-431C Fails To Reset After Steam Relief	5.00E-03	1	5.00E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
503 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage		0.97	9.87E-01	
RCHFDLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/In 3 Min		0.05	5.00E-02	
RCRZT00430	PORV PCV-430 Fails To Reset After Steam Relief	5.00E-03	1	5.00E-03	
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
504 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AXCCDMOVNB	Common cause failure of MOVs 9701A and 9701B to throttle flow	7.28E-05	7.28E-05		
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
505 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AXCCFSAFWA	Common cause failure of SAFW Pumps 1C and 1D to run	1.99E-05	1.99E-05		
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
506 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AXCCSSAFWA	Common cause failure of SAFW Pumps 1C and 1D to start	8.79E-05	8.79E-05		
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
507 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AXHFDASFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
508 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint	3.00E-03	3.00E-03		
AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
509 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	

	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint		3.00E-03	3.00E-03	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M		0.01	1.48E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
510	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint		3.00E-03	3.00E-03	
	AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
511	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint		3.00E-03	3.00E-03	
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M		0.02	1.67E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
512	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
513	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M		0.02	1.67E-02	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M		0.01	1.48E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
514	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXXVNO9728	3 way valve 9728 fails to operate	1.00E-03	1	1.00E-03	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
515	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	FSTMFCITYW	City Water Supply to Yard Fire Loop Inoperable	4.22E-05	4.22E-05		
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
516	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.87	9.67E-01	
	RCHFDPLCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02	
	RCRZT0431C	PORV PCV-431C Fails To Reset After Steam Relief	5.00E-03	1	5.00E-03	
	SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
517	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage		0.97	9.67E-01	
	RCHFDPLCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02	
	RCRZT00430	PORV PCV-430 Fails To Reset After Steam Relief	5.00E-03	1	5.00E-03	
	SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00	
518	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXHFDASFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
	FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
	AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
519	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C train		0.02	2.29E-02	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train		0.02	2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
	TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00	
	AAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00	
520	Ti0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	

ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M		0.02	1.67E-02
AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M		0.01	1.48E-02
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
521 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
AXXV09728	3 way valve 9728 fails to operate	1.00E-03	1	1.00E-03
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
522 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage		0.97	9.67E-01
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02
RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
523 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage		0.97	9.67E-01
RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min		0.05	5.00E-02
RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03
SLO	TAG - SMALL LOCA SEQUENCE		1	1.00E+00
TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES		1	1.00E+00
AAAA	FACTOR TO ELIMINATE UV AND ILLOGICAL CUTSETS		0	0.00E+00
524 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
AXCCDMOVNB	Common cause failure of MOVs 9701A and 9701B to throttle flow	7.28E-05	7.28E-05	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
525 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
AXCCSSAFWA	Common cause failure of SAFW Pumps 1C and 1D to start	8.79E-05	8.79E-05	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
526 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
AXHFDFAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03	
FSAZCORR03	Correcion Factor for Operators Failing to align SAFW due to increased stress during loss of SW to		1	1.93E+00
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
527 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint	3.00E-03	3.00E-03	
AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
528 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
AXHFLSAFWA	Failure to restore SAFW Pump Train 1C to service post test/maint	3.00E-03	3.00E-03	
AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M		0.01	1.48E-02
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
529 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint	3.00E-03	3.00E-03	
AXMMSAFWPC	Failure of SAFW Pump 1C train	0.02	2.29E-02	
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
530 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
AXHFLSAFWB	Failure to restore SAFW Pump Train 1D to service post test/maint	3.00E-03	3.00E-03	
AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M		0.02	1.67E-02
NOSBO	TAG - NO STATION BLACKOUT		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
TRANSX	TAG - TRANSIENT EVENT		1	1.00E+00
531 TI0000SW	Total Loss of Service Water		1	1.00E+00 0.00E+00

	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A			1 1.00E+00	
	AXMMSAFWPC	Failure of SAFW Pump 1C Train			0.02 2.29E-02	
	AXMMSAFWPD	Failure of SAFW Pump 1D Train			0.02 2.29E-02	
	NOSBO	TAG - NO STATION BLACKOUT			1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR			0.88 8.76E-01	
	SWTMPUMP1B	SW Pump B in maintenance			0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance			7.15E-03 7.15E-03	
	TRANSX	TAG - TRANSIENT EVENT			1 1.00E+00	
532	Ti0000SW	Total Loss of Service Water			1 1.00E+00	0.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A			1 1.00E+00	
	AXTMSAFSGA	SAFW TRAIN C TO S/G A O.O.S. DUE TO T/M			0.02 1.67E-02	
	AXTMSAFSGB	SAFW TRAIN D TO S/G B O.O.S. DUE TO T/M			0.01 1.48E-02	
	NOSBO	TAG - NO STATION BLACKOUT			1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR			0.88 8.76E-01	
	SWTMPUMP1B	SW Pump B in maintenance			0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance			7.15E-03 7.15E-03	
	TRANSX	TAG - TRANSIENT EVENT			1 1.00E+00	
533	Ti0000SW	Total Loss of Service Water			1 1.00E+00	0.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A			1 1.00E+00	
	AXXVNO9728	3 way valve 9728 fails to operate	1.00E-03	1	1.00E-03	
	NOSBO	TAG - NO STATION BLACKOUT			1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR			0.88 8.76E-01	
	SWTMPUMP1B	SW Pump B in maintenance			0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance			7.15E-03 7.15E-03	
	TRANSX	TAG - TRANSIENT EVENT			1 1.00E+00	
534	Ti0000SW	Total Loss of Service Water			1 1.00E+00	0.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A			1 1.00E+00	
	FSTMFCTIYW	City Water Supply to Yard Fire Loop Inoperable	4.22E-05	4.22E-05		
	NOSBO	TAG - NO STATION BLACKOUT			1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR			0.88 8.76E-01	
	SWTMPUMP1B	SW Pump B in maintenance			0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance			7.15E-03 7.15E-03	
	TRANSX	TAG - TRANSIENT EVENT			1 1.00E+00	
535	Ti0000SW	Total Loss of Service Water			1 1.00E+00	0.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A			1 1.00E+00	
	NOSBO	TAG - NO STATION BLACKOUT			1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR			0.88 8.76E-01	
	RCAZD00515N	Motor-Operated Valve 515 Is Not Closed Due to PORV Leakage			0.97 9.67E-01	
	RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min			0.05 5.00E-02	
	RCRZT0431C	PORV PCV-431C Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
	SLO	TAG - SMALL LOCA SEQUENCE			1 1.00E+00	
	SWTMPUMP1B	SW Pump B in maintenance			0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance			7.15E-03 7.15E-03	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES			1 1.00E+00	
536	Ti0000SW	Total Loss of Service Water			1 1.00E+00	0.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A			1 1.00E+00	
	NOSBO	TAG - NO STATION BLACKOUT			1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR			0.88 8.76E-01	
	RCAZD00516N	Motor-Operated Valve 516 Is Not Closed Due To PORV Leakage			0.97 9.67E-01	
	RCHFDPLOCA	Operators Fail To Close PORV Block Valve (515/516) To Terminate LOCA W/in 3 Min			0.05 5.00E-02	
	RCRZT00430	PORV PCV-430 Fails To Reseat After Steam Relief	5.00E-03	1	5.00E-03	
	SLO	TAG - SMALL LOCA SEQUENCE			1 1.00E+00	
	SWTMPUMP1B	SW Pump B in maintenance			0.05 4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance			7.15E-03 7.15E-03	
	TLSTRANS	TAG - TRANSIENT INDUCED SMALL LOCA SEQUENCES			1 1.00E+00	
537	Ti0000SW	Total Loss of Service Water			1 1.00E+00	0.00E+00
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
	FAZCRR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to			1 1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT			1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR			0.88 8.76E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation			0.42 4.21E-01	
	SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation			0.42 4.21E-01	
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04		
	SWTMPUMP1A	SW Pump A in maintenance			0.03 3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance			0.04 3.56E-02	
	TRANSX	TAG - TRANSIENT EVENT			1 1.00E+00	
538	Ti0000SW	Total Loss of Service Water			1 1.00E+00	0.00E+00
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
	FAZCRR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to			1 1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT			1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR			0.88 8.76E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation			0.42 4.21E-01	
	SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation			0.42 4.21E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03		
	SWTMPUMP1A	SW Pump A in maintenance			0.03 3.13E-02	
	SWTMPUMP1B	SW Pump B in maintenance			0.05 4.55E-02	
	SWTMPUMP1C	SW Pump C in maintenance			0.04 3.56E-02	
	TRANSX	TAG - TRANSIENT EVENT			1 1.00E+00	
539	Ti0000SW	Total Loss of Service Water			1 1.00E+00	0.00E+00
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
	FAZCRR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to			1 1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT			1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR			0.88 8.76E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation			0.42 4.21E-01	
	SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation			0.42 4.21E-01	
	SWTMPUMP1A	SW Pump A in maintenance			0.03 3.13E-02	
	SWTMPUMP1B	SW Pump B in maintenance			0.05 4.55E-02	
	SWTMPUMP1C	SW Pump C in maintenance			0.04 3.56E-02	
	SWTMPUMP1D	SW Pump D in maintenance			7.15E-03 7.15E-03	
	TRANSX	TAG - TRANSIENT EVENT			1 1.00E+00	
540	Ti0000SW	Total Loss of Service Water			1 1.00E+00	0.00E+00
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
	FAZCRR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to			1 1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT			1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR			0.88 8.76E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation			0.42 4.21E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation			0.58 5.79E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03		
	SWMM0SWPCR	FAILURES OF SW PUMP C TO RUN	0.02	2.47E-02		
	SWTMPUMP1A	SW Pump A in maintenance			0.03 3.13E-02	
	SWTMPUMP1B	SW Pump B in maintenance			0.05 4.55E-02	
	TRANSX	TAG - TRANSIENT EVENT			1 1.00E+00	
541	Ti0000SW	Total Loss of Service Water			1 1.00E+00	0.00E+00
	AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for Ti0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03		
	FAZCRR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to			1 1.93E+00	
	NOSBO	TAG - NO STATION BLACKOUT			1 1.00E+00	
	PCF	PLANT CAPACITY FACTOR			0.88 8.76E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation			0.42 4.21E-01	

FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02	
SWPPJHDBR	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
552 TI0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03	
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation	0.42	4.21E-01	
SWPPJHDBR	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
553 TI0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03	
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN	0.02	2.47E-02	
SWPPJHDBR	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
554 TI0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03	
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
SWPPJHDBR	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
555 TI0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AXHFDSAFWX	Operators Fail to Correctly Align SAFW (Corrected for TI0000SW and Some Fire Events For Stress)	5.19E-03	5.19E-03	
FSAZCORR03	Correction Factor for Operators Failing to align SAFW due to increased stress during loss of SW to	1	1.93E+00	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
SWPPJHDBR	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWPPJHDBR	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
556 TI0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AXMMSAFWPC	Failure of SAFW Pump 1C Train	0.02	2.29E-02	
AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation	0.42	4.21E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
557 TI0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AXMMSAFWPC	Failure of SAFW Pump 1C Train	0.02	2.29E-02	
AXMMSAFWPD	Failure of SAFW Pump 1D Train	0.02	2.29E-02	
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02	
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
558 TI0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AXXVN09728	3 way valve 9728 fails to operate	1.00E-03	1	1.00E-03
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation	0.42	4.21E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	
559 TI0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
AXXVN09728	3 way valve 9728 fails to operate	1.00E-03	1	1.00E-03
NOSBO	TAG - NO STATION BLACKOUT	1	1.00E+00	
PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02	
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
TRANSX	TAG - TRANSIENT EVENT	1	1.00E+00	

Report Summary:

Filename: D:\CAFTA-WQUANTLEVEL1\@POWER1.CUT
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No. 01-042

U.S. NUCLEAR REGULATORY COMMISSION
REGION I
NOTICE OF SIGNIFICANT LICENSEE MEETING

Licensee: AmerGen Energy Company, LLC

Facility: Oyster Creek Nuclear Generating Station

Docket No: 05000219

Time and Date: Friday, August 3, 2001, at 10:00 a.m.

Location: U.S. Nuclear Regulatory Commission
Region I
Public Meeting Room
475 Allendale Road
King of Prussia, PA 19406-1415

Purpose: A Regulatory Conference to discuss a preliminary white finding involving the failure of the security organization to successfully interdict a mock adversary force in one of the force-on-force exercises conducted during an Operational Safeguards Readiness Evaluation (OSRE) on May 9, 2001; and documented in NRC Inspection Report 05000219/2001-011, dated June 22, 2001.

NRC Attendees: J. Wiggins, Deputy Regional Administrator
W. Lanning, Director, Division of Reactor Safety (DRS)
J. White, Chief, Radiation Safety and Safeguards Branch, DRS
G. Smith, Senior Physical Security Inspector, DRS
J. Rogge, Chief, Projects Branch 7, Division of Reactor Projects (DRP)
V. Ordaz, Chief, Reactor Safeguards Section Chief, NRR
D. Orrik, Reactor Security Specialist, NRR
L. Dudes, Senior Resident Inspector, Oyster Creek, DRP
P. Frechette, Physical Security Inspector, DRS
D. Holody, ORA Staff
J. Nick, ORA Staff

Licensee Attendees: J. Benjamin, Vice President, Licensing and Regulatory Affairs
R. DeGregorio, Vice President, Oyster Creek
E. Harkness, Plant Manager, Oyster Creek
H. McNally, Manager, MAROG Security
G. Vanderheyden, Vice President, MAROG
J. Hutton, Director, Licensing

Note: This meeting is **closed** to public observation since the matters to be discussed involve Safeguards Information. Attendance by additional NRC personnel to the meeting should be made known by July 25, 2001, to John White, Chief, Radiation Safety and Safeguards Branch, Region 1, at 610-337-5114.

Approved By: _____
John F. Rogge, Chief
Projects Branch 7
Division of Reactor Projects

Distribution:

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OFFICE	RI/DRS		RI/DRS		RI/DRP				
NAME	PFrechette		JWhite		JRogge				
DATE	07/17/01		07/ /01		07/ /01		07/ /01		07/ /01

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No. 01-042

U.S. NUCLEAR REGULATORY COMMISSION
REGION I
NOTICE OF SIGNIFICANT LICENSEE MEETING

Licensee: AmerGen Energy Company, LLC

Facility: Oyster Creek Nuclear Generating Station

Docket No: 05000219

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J. Nick, ORA Staff

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G. Vanderheyden, Vice President, MAROG
J. Hutton, Director, Licensing

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Approved By: _____

John F. Rogge, Chief
Projects Branch 7
Division of Reactor Projects

Distribution:

(Note: Include: OE Mail; PMNS; OE Web; and S. Bogle, OE)

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OFFICE	RI/DRS		RI/DRS		RI/DRP				
NAME	PFrechette		JWhite		JRogge				
DATE	07/17/01		07/ /01		07/ /01		07/ /01		07/ /01

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#	Inputs	Description	Rate	Exposure	Event Prob	Probability
1	T1000SW	Total Loss of Service Water			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWCCIPUMPSR	Common Cause Failure Of Service Water Pumps To Run			1.21E-04	1.21E-04
2	T1000SW	Total Loss of Service Water			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWCXXSUCTI	TOTAL FAILURE OF COMMON SW/FIRE WATER SUCTION (INITIATOR)			1.00E-04	1.00E-04
3	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06		1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START			3.28E-03	3.28E-03
	SWTMPUMP1B	SW Pump B in maintenance			0.05	4.55E-02
4	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06		1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START			3.28E-03	3.28E-03
	SWTMPUMP1C	SW Pump C in maintenance			0.04	3.56E-02
5	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06		1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWCCPUMPS	Common Cause Failure Of Service Water Pumps To Start			1.14E-04	1.14E-04
6	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06		1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWCCPUMPS	Common Cause Failure Of Service Water Pumps To Start			1.14E-04	1.14E-04
7	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06		1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START			3.28E-03	3.28E-03
	SWTMPUMP1A	SW Pump A in maintenance			0.03	3.13E-02
8	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06		1	8.85E-03
	ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05	8.84E-07
	ACTRAINA	TAG - Failure of AC Train A			1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
9	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06		1	8.85E-03
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05	8.84E-07
	ACTRAINA	TAG - Failure of AC Train A			1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
10	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06		1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START			3.28E-03	3.28E-03
	SWTMPUMP1D	SW Pump D in maintenance			7.15E-03	7.15E-03
11	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06		1	8.85E-03
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06		1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A			1	1.00E+00
	ACTRAINB	TAG - Failure of AC Train B			1	1.00E+00
	DGAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENE			0.12	1.23E-01
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (3			0.02	1.66E-02
12	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06		1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation			0.58	5.79E-01
	SWCVC04603	Service Water Pump PSW01C Discharge Check Valve 4603 Fails To Close On 5.84E-04			1	5.84E-04
	SWTMPUMP1B	SW Pump B in maintenance			0.05	4.55E-02
13	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06		1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation			0.58	5.79E-01
	SWCVC04602	Service Water Pump PSW01B Discharge Check Valve 4602 Fails To Close On 5.84E-04			1	5.84E-04
	SWTMPUMP1C	SW Pump C in maintenance			0.04	3.56E-02
14	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06		1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START			3.28E-03	3.28E-03
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START			3.28E-03	3.28E-03
15	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06		1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START			3.28E-03	3.28E-03
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START			3.28E-03	3.28E-03
16	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06		1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation			0.58	5.79E-01
	SWCVC04604	Service Water Pump PSW01D Discharge Check Valve 4604 Fails To Close On 5.84E-04			1	5.84E-04
	SWPMPDINIT	TAG - SW PUMP D FAILS AS AN INITIATING EVENT			1	1.00E+00
	SWTMPUMP1A	SW Pump A in maintenance			0.03	3.13E-02
17	T1000SW	Total Loss of Service Water			1	1.00E+00
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06		1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWMM0SWPDR	FAILURES OF SW PUMP D TO RUN			2.05E-04	2.05E-04
	SWTMPUMP1B	SW Pump B in maintenance			0.05	4.55E-02
18	T1000SW	Total Loss of Service Water			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01
	SWAASCREEN	FLAG - CONDITIONS EXIST WHERE TRAVELLING SCREENS ARE NECESSARY			0.1	1.00E-01
	SWTSFFSWAI	PLUGGING OF TRAVELLING SCREEN FWS01A	1.00E-06		1	8.76E-03
	SWTSFFSWBI	PLUGGING OF TRAVELLING SCREEN FWS01B	1.00E-06		1	8.76E-03
	SWTSFFSWCI	PLUGGING OF TRAVELLING SCREEN FWS01C	1.00E-06		1	8.76E-03
19	T1000SW	Total Loss of Service Water			1	1.00E+00
	PCF	PLANT CAPACITY FACTOR			0.88	8.76E-01

Filename:

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SWAASCREEN	FLAG - CONDITIONS EXIST WHERE TRAVELLING SCREENS ARE NECESSARY	0.1	1.00E-01
SWTSFFSWAI	PLUGGING OF TRAVELLING SCREEN FWS01A	1.00E-06	1
SWTSFFSWBI	PLUGGING OF TRAVELLING SCREEN FWS01B	1.00E-06	1
SWTSFFSWDI	PLUGGING OF TRAVELLING SCREEN FWS01D	1.00E-06	1
20 TI0000SW	Total Loss of Service Water	1	1.00E+00 5.89E-08
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASCREEN	FLAG - CONDITIONS EXIST WHERE TRAVELLING SCREENS ARE NECESSARY	0.1	1.00E-01
SWTSFFSWAI	PLUGGING OF TRAVELLING SCREEN FWS01A	1.00E-06	1
SWTSFFSWCI	PLUGGING OF TRAVELLING SCREEN FWS01C	1.00E-06	1
SWTSFFSWDI	PLUGGING OF TRAVELLING SCREEN FWS01D	1.00E-06	1
21 TI0000SW	Total Loss of Service Water	1	1.00E+00 5.89E-08
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASCREEN	FLAG - CONDITIONS EXIST WHERE TRAVELLING SCREENS ARE NECESSARY	0.1	1.00E-01
SWTSFFSWBI	PLUGGING OF TRAVELLING SCREEN FWS01B	1.00E-06	1
SWTSFFSWCI	PLUGGING OF TRAVELLING SCREEN FWS01C	1.00E-06	1
SWTSFFSWDI	PLUGGING OF TRAVELLING SCREEN FWS01D	1.00E-06	1
22 TI0000SW	Total Loss of Service Water	1	1.00E+00 5.85E-08
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWMMSWPART	FAILURES OF SERVICE WATER PUMP A TO RUN	2.05E-04	2.05E-04
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02
23 TI0000SW	Total Loss of Service Water	1	1.00E+00 4.96E-08
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1
ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWMMSWPCRT	FAILURES OF SW PUMP C TO RUN	2.05E-04	2.05E-04
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
24 TI0000SW	Total Loss of Service Water	1	1.00E+00 2.80E-08
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01
SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation	0.42	4.21E-01
SWMMSWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN	0.02	2.47E-02
SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02
25 TI0000SW	Total Loss of Service Water	1	1.00E+00 2.80E-08
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation	0.42	4.21E-01
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01
SWMMSWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02
SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02
26 TI0000SW	Total Loss of Service Water	1	1.00E+00 2.74E-08
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation	0.42	4.21E-01
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02
SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02
27 TI0000SW	Total Loss of Service Water	1	1.00E+00 2.68E-08
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01
SWMMSWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN	0.02	2.47E-02
SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN	0.02	2.47E-02
SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02
28 TI0000SW	Total Loss of Service Water	1	1.00E+00 2.14E-08
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01
SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation	0.42	4.21E-01
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN	0.02	2.47E-02
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02
29 TI0000SW	Total Loss of Service Water	1	1.00E+00 2.09E-08
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01
SWMMSWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03
SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02
SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02
30 TI0000SW	Total Loss of Service Water	1	1.00E+00 2.05E-08
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN	0.02	2.47E-02
SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN	0.02	2.47E-02
31 TI0000SW	Total Loss of Service Water	1	1.00E+00 2.05E-08
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04
SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02
32 TI0000SW	Total Loss of Service Water	1	1.00E+00 1.88E-08
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation	0.42	4.21E-01
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04
SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN	0.02	2.47E-02
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
33 TI0000SW	Total Loss of Service Water	1	1.00E+00 1.87E-08
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01
SWCVC04601	Service Water Pump PSW01A Discharge Check Valve 4601 Fails To Close On 5.84E-04	1	5.84E-04
SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03
34 TI0000SW	Total Loss of Service Water	1	1.00E+00 1.84E-08
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01
SWMMSWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03
SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02
SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02
35 TI0000SW	Total Loss of Service Water	1	1.00E+00 1.75E-08
ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72
ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00
PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01

SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation		0.42	4.21E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
36 TI0000SW	Total Loss of Service Water		1	1.00E+00	1.37E-08
ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation		0.42	4.21E-01	
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
37 TI0000SW	Total Loss of Service Water		1	1.00E+00	1.30E-08
ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02	
SWMMSWPCR1	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02	
38 TI0000SW	Total Loss of Service Water		1	1.00E+00	1.30E-08
ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02	
SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02	
39 TI0000SW	Total Loss of Service Water		1	1.00E+00	1.20E-08
ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation		0.42	4.21E-01	
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
SWMMSWPCR1	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
40 TI0000SW	Total Loss of Service Water		1	1.00E+00	1.12E-08
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWMMSWPBRT	FAILURES OF SW PUMP B TO RUN		2.02E-04	2.02E-04	
SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
41 TI0000SW	Total Loss of Service Water		1	1.00E+00	9.49E-09
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation		0.42	4.21E-01	
SWMMSWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03	
SWPPJIHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
42 TI0000SW	Total Loss of Service Water		1	1.00E+00	9.49E-09
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation		0.42	4.21E-01	
SWMMSWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
SWPPJIHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
43 TI0000SW	Total Loss of Service Water		1	1.00E+00	9.27E-09
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation		0.42	4.21E-01	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
SWPPJIHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
44 TI0000SW	Total Loss of Service Water		1	1.00E+00	9.08E-09
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
SWMMSWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02	
SWPPJIHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
45 TI0000SW	Total Loss of Service Water		1	1.00E+00	9.08E-09
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
SWMMSWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
SWMMSWPCR1	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02	
SWPPJIHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
46 TI0000SW	Total Loss of Service Water		1	1.00E+00	8.60E-09
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	
SWCVC04602	Service Water Pump PSW01B Discharge Check Valve 4802 Fails To Close On 5.84E-04		1	5.84E-04	
SWMMSWPDS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
47 TI0000SW	Total Loss of Service Water		1	1.00E+00	8.60E-09
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
SWCVC04604	Service Water Pump PSW01D Discharge Check Valve 4804 Fails To Close On 5.84E-04		1	5.84E-04	
SWMMSWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03	
SWPMPDINIT	TAG - SW PUMP D FAILS AS AN INITIATING EVENT		1	1.00E+00	
48 TI0000SW	Total Loss of Service Water		1	1.00E+00	8.60E-09
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
SWCVC04601	Service Water Pump PSW01A Discharge Check Valve 4801 Fails To Close On 5.84E-04		1	5.84E-04	
SWMMSWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
49 TI0000SW	Total Loss of Service Water		1	1.00E+00	8.60E-09
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
SWCVC04603	Service Water Pump PSW01C Discharge Check Valve 4803 Fails To Close On 5.84E-04		1	5.84E-04	
SWMMSWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03	
50 TI0000SW	Total Loss of Service Water		1	1.00E+00	7.26E-09
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation		0.42	4.21E-01	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
SWPPJIHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
51 TI0000SW	Total Loss of Service Water		1	1.00E+00	7.09E-09
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	

	SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03
	SWMM0WPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02
	SWPPJHDBR	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
52	Ti0000SW	Total Loss of Service Water		1	1.00E+00 7.09E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03
	SWMM0SWPDR	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02
	SWPPJHDBR	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
53	Ti0000SW	Total Loss of Service Water		1	1.00E+00 8.93E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
	SWMM0SWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02
	SWPPJHDBR	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
54	Ti0000SW	Total Loss of Service Water		1	1.00E+00 6.93E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
	SWMM0WPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02
	SWPPJHDBR	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
55	Ti0000SW	Total Loss of Service Water		1	1.00E+00 6.93E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
	SWMM0SWPCRI	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02
	SWPPJHDBR	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
56	Ti0000SW	Total Loss of Service Water		1	1.00E+00 6.93E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
	SWMM0SWPDR	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02
	SWPPJHDBR	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
57	Ti0000SW	Total Loss of Service Water		1	1.00E+00 6.38E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation		0.42	4.21E-01
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04
	SWPPJHDBR	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
58	Ti0000SW	Total Loss of Service Water		1	1.00E+00 6.23E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03
	SWMM0WPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02
	SWPPJHDBR	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
59	Ti0000SW	Total Loss of Service Water		1	1.00E+00 6.23E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03
	SWMM0SWPDR	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02
	SWPPJHDBR	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
60	Ti0000SW	Total Loss of Service Water		1	1.00E+00 5.91E-09
	ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation		0.42	4.21E-01
	SWPPJHDBR	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
61	Ti0000SW	Total Loss of Service Water		1	1.00E+00 5.20E-09
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03
	SWMM0SWPCRT	FAILURES OF SW PUMP C TO RUN		2.05E-04	2.05E-04
62	Ti0000SW	Total Loss of Service Water		1	1.00E+00 5.20E-09
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03
	SWMM0SWPART	FAILURES OF SERVICE WATER PUMP A TO RUN		2.05E-04	2.05E-04
63	Ti0000SW	Total Loss of Service Water		1	1.00E+00 5.20E-09
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03
	SWMM0SWPDR	FAILURES OF SW PUMP D TO RUN		2.05E-04	2.05E-04
64	Ti0000SW	Total Loss of Service Water		1	1.00E+00 5.13E-09
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
	SWMM0SWPBRT	FAILURES OF SW PUMP B TO RUN		2.02E-04	2.02E-04
65	Ti0000SW	Total Loss of Service Water		1	1.00E+00 4.83E-09
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation		0.42	4.21E-01
	SWPPJHDBR	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
66	Ti0000SW	Total Loss of Service Water		1	1.00E+00 4.42E-09
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01
	SWMM0SWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02
	SWPPJHDBR	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
67	Ti0000SW	Total Loss of Service Water		1	1.00E+00 4.42E-09
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01
	SWMM0SWPCRI	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02
	SWPPJHDBR	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
68	Ti0000SW	Total Loss of Service Water		1	1.00E+00 4.42E-09
	ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01
	SWMM0WPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02
	SWPPJHDBR	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03

69	Ti0000SW	Total Loss of Service Water		1	1.00E+00	4.42E-09
	ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
	SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02	
	SWPPJHHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
70	Ti0000SW	Total Loss of Service Water		1	1.00E+00	4.30E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	
	SWAASWP1DNR	FLAG - Service Water Pump PSW01D Is Not In Operation		0.42	4.21E-01	
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
	SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
71	Ti0000SW	Total Loss of Service Water		1	1.00E+00	4.21E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03	
	SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02	
	SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
72	Ti0000SW	Total Loss of Service Water		1	1.00E+00	4.07E-09
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation		0.42	4.21E-01	
	SWPPJHHRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
73	Ti0000SW	Total Loss of Service Water		1	1.00E+00	3.87E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation		0.42	4.21E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03	
	SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
74	Ti0000SW	Total Loss of Service Water		1	1.00E+00	3.87E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	
	SWAASWP1DNR	FLAG - Service Water Pump PSW01D Is Not In Operation		0.42	4.21E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
	SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
75	Ti0000SW	Total Loss of Service Water		1	1.00E+00	2.74E-09
	ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	
	SWAASWP1DNR	FLAG - Service Water Pump PSW01D Is Not In Operation		0.42	4.21E-01	
	SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
76	Ti0000SW	Total Loss of Service Water		1	1.00E+00	2.58E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation		0.42	4.21E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
	SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02	
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
77	Ti0000SW	Total Loss of Service Water		1	1.00E+00	2.02E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
	SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation		0.42	4.21E-01	
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
	SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
78	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.93E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
	SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02	
	SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02	
79	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.93E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
	SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02	
	SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02	
80	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.78E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation		0.42	4.21E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
	SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
81	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.75E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
	SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation		0.42	4.21E-01	
	SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02	
	SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN		2.05E-04	2.05E-04	
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
82	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.75E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation		0.42	4.21E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
	SWMMSWPART	FAILURES OF SERVICE WATER PUMP A TO RUN		2.05E-04	2.05E-04	
	SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02	
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
83	Ti0000SW	Total Loss of Service Water		1	1.00E+00	1.67E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
	SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02	

	SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02	
	SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN		2.05E-04	2.05E-04	
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
84	T10000SW	Total Loss of Service Water		1	1.00E+00	1.48E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1DNR	FLAG - Service Water Pump PSW01D Is Not In Operation		0.42	4.21E-01	
	SWCCPUMPSS	Common Cause Failure of Service Water Pumps To Start		1.14E-04	1.14E-04	
	SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
85	T10000SW	Total Loss of Service Water		1	1.00E+00	1.42E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03	
	SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02	
	SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
86	T10000SW	Total Loss of Service Water		1	1.00E+00	1.42E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03	
	SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02	
	SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
87	T10000SW	Total Loss of Service Water		1	1.00E+00	1.31E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation		0.42	4.21E-01	
	SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03	
	SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
88	T10000SW	Total Loss of Service Water		1	1.00E+00	1.31E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1DNR	FLAG - Service Water Pump PSW01D Is Not In Operation		0.42	4.21E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
	SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
89	T10000SW	Total Loss of Service Water		1	1.00E+00	1.31E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
	SWMMSWPART	FAILURES OF SERVICE WATER PUMP A TO RUN		2.05E-04	2.05E-04	
	SWMMSWPBR1	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02	
	SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02	
	SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
90	T10000SW	Total Loss of Service Water		1	1.00E+00	1.15E-09
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
	SWMMSWPBR1	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02	
	SWMMSWPCRT	FAILURES OF SW PUMP C TO RUN		2.05E-04	2.05E-04	
	SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02	
	SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
91	T10000SW	Total Loss of Service Water		1	1.00E+00	9.29E-10
	ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1DNR	FLAG - Service Water Pump PSW01D Is Not In Operation		0.42	4.21E-01	
	SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
	SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
92	T10000SW	Total Loss of Service Water		1	1.00E+00	8.86E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
	SWCVC04602	Service Water Pump PSW01B Discharge Check Valve 4602 Fails To Close On 5.84E-04		1	5.84E-04	
	SWCVC04604	Service Water Pump PSW01D Discharge Check Valve 4604 Fails To Close On 5.84E-04		1	5.84E-04	
	SWMPMPDINIT	TAG - SW PUMP D FAILS AS AN INITIATING EVENT		1	1.00E+00	
93	T10000SW	Total Loss of Service Water		1	1.00E+00	8.86E-10
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01	
	SWCVC04601	Service Water Pump PSW01A Discharge Check Valve 4601 Fails To Close On 5.84E-04		1	5.84E-04	
	SWCVC04603	Service Water Pump PSW01C Discharge Check Valve 4603 Fails To Close On 5.84E-04		1	5.84E-04	
94	T10000SW	Total Loss of Service Water		1	1.00E+00	8.75E-10
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation		0.42	4.21E-01	
	SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
	SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
	SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
95	T10000SW	Total Loss of Service Water		1	1.00E+00	8.70E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DGAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENE		0.12	1.23E-01	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (3		0.02	1.66E-02	
	SWH-HFCW01A	Circulating Water Intake Heater CW01A Fails	2.29E-06	24	5.50E-05	
96	T10000SW	Total Loss of Service Water		1	1.00E+00	8.70E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03	
	ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00	
	DGAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENE		0.12	1.23E-01	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (3		0.02	1.66E-02	
	SWH-HFCW01C	Circulating Water Intake Heater CW01C Fails	2.29E-06	24	5.50E-05	
97	T10000SW	Total Loss of Service Water		1	1.00E+00	8.70E-10
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	DGAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENE		0.12	1.23E-01	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (3		0.02	1.66E-02	
	SWH-HFCW01B	Circulating Water Intake Heater CW01B Fails	2.29E-06	24	5.50E-05	
98	T10000SW	Total Loss of Service Water		1	1.00E+00	8.70E-10
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03	
	ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00	
	DGAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENE		0.12	1.23E-01	
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	
	SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (3		0.02	1.66E-02	
	SWH-HFCW01D	Circulating Water Intake Heater CW01D Fails	2.29E-06	24	5.50E-05	
99	T10000SW	Total Loss of Service Water		1	1.00E+00	6.85E-10
	PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01	

SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation		0.42	4.21E-01
SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
SWPPJIHDRB	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
100 TI0000SW	Total Loss of Service Water		1	1.00E+00 6.54E-10
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01
SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02
SWPPJIHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
101 TI0000SW	Total Loss of Service Water		1	1.00E+00 6.54E-10
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01
SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03
SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03
SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN		0.02	2.47E-02
SWPPJIHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
102 TI0000SW	Total Loss of Service Water		1	1.00E+00 6.54E-10
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01
SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
SWMMSWPCR	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02
SWPPJIHDRB	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
103 TI0000SW	Total Loss of Service Water		1	1.00E+00 6.54E-10
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01
SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03
SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03
SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02
SWPPJIHDRB	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
104 TI0000SW	Total Loss of Service Water		1	1.00E+00 6.02E-10
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation		0.42	4.21E-01
SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
SWPPJIHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02
105 TI0000SW	Total Loss of Service Water		1	1.00E+00 5.92E-10
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation		0.42	4.21E-01
SWMMSWPART	FAILURES OF SERVICE WATER PUMP A TO RUN	2.05E-04	2.05E-04	2.05E-04
SWPPJIHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
106 TI0000SW	Total Loss of Service Water		1	1.00E+00 5.92E-10
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation		0.42	4.21E-01
SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN	2.05E-04	2.05E-04	2.05E-04
SWPPJIHDRB	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.58E-02
107 TI0000SW	Total Loss of Service Water		1	1.00E+00 5.65E-10
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN		0.02	2.47E-02
SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN	2.05E-04	2.05E-04	2.05E-04
SWPPJIHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
108 TI0000SW	Total Loss of Service Water		1	1.00E+00 5.65E-10
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01
SWMMSWPCR	FAILURES OF SW PUMP C TO RUN		0.02	2.47E-02
SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN	2.05E-04	2.05E-04	2.05E-04
SWPPJIHDRB	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
109 TI0000SW	Total Loss of Service Water		1	1.00E+00 5.36E-10
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation		0.58	5.79E-01
SWCVC04602	Service Water Pump PSW01B Discharge Check Valve 4602 Fails To Close On 5.84E-04		1	5.84E-04
SWMMSWPCRT	FAILURES OF SW PUMP C TO RUN	2.05E-04	2.05E-04	2.05E-04
110 TI0000SW	Total Loss of Service Water		1	1.00E+00 5.36E-10
ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
ACTRAINB	TAG - Failure of AC Train B		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01
SWCVC04604	Service Water Pump PSW01D Discharge Check Valve 4604 Fails To Close On 5.84E-04		1	5.84E-04
SWMMSWPART	FAILURES OF SERVICE WATER PUMP A TO RUN	2.05E-04	2.05E-04	2.05E-04
SWPMPDINIT	TAG - SW PUMP D FAILS AS AN INITIATING EVENT		1	1.00E+00
111 TI0000SW	Total Loss of Service Water		1	1.00E+00 5.36E-10
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01
SWCVC04601	Service Water Pump PSW01A Discharge Check Valve 4601 Fails To Close On 5.84E-04		1	5.84E-04
SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN	2.05E-04	2.05E-04	2.05E-04
112 TI0000SW	Total Loss of Service Water		1	1.00E+00 5.28E-10
ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
ACTRAINA	TAG - Failure of AC Train A		1	1.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01
SWCVC04603	Service Water Pump PSW01C Discharge Check Valve 4603 Fails To Close On 5.84E-04		1	5.84E-04
SWMMSWPBRT	FAILURES OF SW PUMP B TO RUN	2.02E-04	2.02E-04	2.02E-04
113 TI0000SW	Total Loss of Service Water		1	1.00E+00 5.22E-10
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
UVREK1829A	RELAY 29-A IN BUS 18 UNDERVOLTAGE CIRCUIT TRANSFERS TO ENER3.94E-07		1	3.45E-03
UVREK1829C	RELAY 29-C IN BUS 18 UNDERVOLTAGE CIRCUIT TRANSFERS TO ENER 3.94E-07		1	3.45E-03
114 TI0000SW	Total Loss of Service Water		1	1.00E+00 5.22E-10
PCF	PLANT CAPACITY FACTOR		0.88	8.78E-01
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation		0.58	5.79E-01
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation		0.58	5.79E-01
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02
UVREK1829A	RELAY 29-A IN BUS 18 UNDERVOLTAGE CIRCUIT TRANSFERS TO ENER3.94E-07		1	3.45E-03
UVREK1829D	RELAY 29-D IN BUS 18 UNDERVOLTAGE CIRCUIT TRANSFERS TO ENER 3.94E-07		1	3.45E-03
115 TI0000SW	Total Loss of Service Water		1	1.00E+00 5.22E-10

	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	UVREKIBX28	BUS 18 UNDERVOLTAGE RELAY 27BX2/18 TRANSFERS TO ENERGIZED	3.94E-07	1	3.45E-03
	UVREKIX218	BUS 18 UNDERVOLTAGE RELAY 27X2/18 TRANSFERS TO ENERGIZED	3.94E-07	1	3.45E-03
130	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.22E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	UVREKIBX28	BUS 18 UNDERVOLTAGE RELAY 27BX2/18 TRANSFERS TO ENERGIZED	3.94E-07	1	3.45E-03
	UVRER12718	BUS 18 UNDERVOLTAGE RELAY 27/18 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
131	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.22E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	UVREKIBX28	BUS 18 UNDERVOLTAGE RELAY 27BX2/18 TRANSFERS TO ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17D18	BUS 18 UNDERVOLTAGE RELAY 27D/18 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
132	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.22E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	UVREKIX218	BUS 18 UNDERVOLTAGE RELAY 27X2/18 TRANSFERS TO ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17B18	BUS 18 UNDERVOLTAGE RELAY 27B/18 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
133	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.22E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	UVREKIX218	BUS 18 UNDERVOLTAGE RELAY 27X2/18 TRANSFERS TO ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17BD8	BUS 18 UNDERVOLTAGE RELAY 27D/B/18 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
134	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.22E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	UVRER12718	BUS 18 UNDERVOLTAGE RELAY 27/18 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17B18	BUS 18 UNDERVOLTAGE RELAY 27B/18 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
135	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.22E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	UVRER12718	BUS 18 UNDERVOLTAGE RELAY 27/18 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17BD8	BUS 18 UNDERVOLTAGE RELAY 27D/B/18 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
136	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.22E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	UVRER17B18	BUS 18 UNDERVOLTAGE RELAY 27B/18 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17D18	BUS 18 UNDERVOLTAGE RELAY 27D/18 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
137	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.22E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMM0SWPDS	FAILURES OF SW PUMP D TO START	3.28E-03	3.28E-03	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	UVRER17BD8	BUS 18 UNDERVOLTAGE RELAY 27D/B/18 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17D18	BUS 18 UNDERVOLTAGE RELAY 27D/18 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
138	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.05E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACCBR1829A	AC BREAKER BUS18/29A TRANSFERS OPEN	1.33E-06	24	3.19E-05
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DGAAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENE	0.12	1.23E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (3	0.02	1.66E-02	
139	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.05E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACCBR1829B	AC BREAKER BUS18/29B TRANSFERS OPEN	1.33E-06	24	3.19E-05
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	DGAAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENE	0.12	1.23E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (3	0.02	1.66E-02	
140	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.05E-10
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACCBR1727A	AC BREAKER BUS17/27A TRANSFERS OPEN	1.33E-06	24	3.19E-05
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	DGAAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENE	0.12	1.23E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (3	0.02	1.66E-02	
141	Ti0000SW	Total Loss of Service Water	1	1.00E+00	5.05E-10
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACCBR1727B	AC BREAKER BUS17/27B TRANSFERS OPEN	1.33E-06	24	3.19E-05
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	DGAAINTAKE	FLAG - MINIMUM OUTSIDE AIR TEMP IS < 30 DEGREES AND INTAKE HEATERS ENE	0.12	1.23E-01	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAZINTAKE	Assumption that Lake Temperature Is Cold Enough to Cause Frazil Ice and Loss of SW (3	0.02	1.66E-02	
142	Ti0000SW	Total Loss of Service Water	1	1.00E+00	4.42E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWMM0SWPART	FAILURES OF SERVICE WATER PUMP A TO RUN	2.05E-04	2.05E-04	
	SWMM0SWPBR	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02	
	SWPPJIHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
143	Ti0000SW	Total Loss of Service Water	1	1.00E+00	4.42E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMM0SWPART	FAILURES OF SERVICE WATER PUMP A TO RUN	2.05E-04	2.05E-04	
	SWMM0SWPDR	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
	SWPPJIHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
144	Ti0000SW	Total Loss of Service Water	1	1.00E+00	4.09E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	

	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	UVREK1729D	RELAY 29-D IN BUS 17 UNDERVOLTAGE CIRCUIT TRANSFERS TO ENER	3.94E-07	1	3.45E-03
	UVRER12717	BUS 17 UNDERVOLTAGE RELAY 27/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
237	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.59E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	UVREK1729D	RELAY 29-D IN BUS 17 UNDERVOLTAGE CIRCUIT TRANSFERS TO ENER	3.94E-07	1	3.45E-03
	UVRER127D7	BUS 17 UNDERVOLTAGE RELAY 27D/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
238	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.59E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	UVREK1B217	BUS 17 UNDERVOLTAGE RELAY 27BX2/17 TRANSFERS TO ENERGIZED	3.94E-07	1	3.45E-03
	UVREK1X217	BUS 17 UNDERVOLTAGE RELAY 27X2/17 TRANSFERS TO ENERGIZED	3.94E-07	1	3.45E-03
239	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.59E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	UVREK1B217	BUS 17 UNDERVOLTAGE RELAY 27BX2/17 TRANSFERS TO ENERGIZED	3.94E-07	1	3.45E-03
	UVRER12717	BUS 17 UNDERVOLTAGE RELAY 27/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
240	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.59E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	UVREK1B217	BUS 17 UNDERVOLTAGE RELAY 27BX2/17 TRANSFERS TO ENERGIZED	3.94E-07	1	3.45E-03
	UVRER127D7	BUS 17 UNDERVOLTAGE RELAY 27D/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
241	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.59E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	UVREK1X217	BUS 17 UNDERVOLTAGE RELAY 27X2/17 TRANSFERS TO ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17B17	BUS 17 UNDERVOLTAGE RELAY 27B/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
242	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.59E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	UVREK1X217	BUS 17 UNDERVOLTAGE RELAY 27X2/17 TRANSFERS TO ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17B7	BUS 17 UNDERVOLTAGE RELAY 27D/B/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
243	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.59E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	UVRER12717	BUS 17 UNDERVOLTAGE RELAY 27/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17B17	BUS 17 UNDERVOLTAGE RELAY 27B/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
244	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.59E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	UVRER12717	BUS 17 UNDERVOLTAGE RELAY 27/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17B7	BUS 17 UNDERVOLTAGE RELAY 27D/B/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
245	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.59E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	UVRER127D7	BUS 17 UNDERVOLTAGE RELAY 27D/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17B17	BUS 17 UNDERVOLTAGE RELAY 27B/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
246	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.59E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMM0SWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	UVRER127D7	BUS 17 UNDERVOLTAGE RELAY 27D/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
	UVRER17B7	BUS 17 UNDERVOLTAGE RELAY 27D/B/17 TRANSFERS TO DE-ENERGIZED	3.94E-07	1	3.45E-03
247	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.24E-10
	ACB2FIBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWMMSWPART	FAILURES OF SERVICE WATER PUMP A TO RUN	2.05E-04	2.05E-04	
	SWMMSWPART	FAILURES OF SW PUMP C TO RUN	2.05E-04	2.05E-04	
248	Ti0000SW	Total Loss of Service Water	1	1.00E+00	3.20E-10
	ACB2FIBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWMMSWPBRT	FAILURES OF SW PUMP B TO RUN	2.02E-04	2.02E-04	
	SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN	2.05E-04	2.05E-04	
249	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.58E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN	0.02	2.47E-02	
	SWMMSWPBRT	FAILURES OF SW PUMP B TO RUN	2.02E-04	2.02E-04	
	SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN	0.02	2.47E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
250	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.54E-10
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.76E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	UVREK1828A	RELAY 28-A IN BUS 18 UNDERVOLTAGE CIRCUIT TRANSFERS TO ENER	3.94E-07	1	3.45E-03
	UVREK1828C	RELAY 28-C IN BUS 18 UNDERVOLTAGE CIRCUIT TRANSFERS TO ENER	3.94E-07	1	3.45E-03
251	Ti0000SW	Total Loss of Service Water	1	1.00E+00	2.54E-10

UVRER127D	BUS 17 UNDERVOLTAGE RELAY 27D/17 TRANSFERS TO DE-ENERGIZED 3.94E-07	1	3.45E-03	
294 TI0000SW	Total Loss of Service Water	1	1.00E+00	2.54E-10
ACB2FTBS18	Local Fault on 480 VAC Bus 18		7.27E-05	
ACTRAINA	TAG - Failure of AC Train A	1.01E-06	72	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.88	8.76E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
UVREKX217	BUS 17 UNDERVOLTAGE RELAY 27X2/17 TRANSFERS TO ENERGIZED 3.94E-07	0.58	5.79E-01	
UVRER17B17	BUS 17 UNDERVOLTAGE RELAY 27B/17 TRANSFERS TO DE-ENERGIZED 3.94E-07	1	3.45E-03	
295 TI0000SW	Total Loss of Service Water	1	1.00E+00	2.54E-10
ACB2FTBS18	Local Fault on 480 VAC Bus 18		7.27E-05	
ACTRAINA	TAG - Failure of AC Train A	1.01E-06	72	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.88	8.76E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
UVREKX217	BUS 17 UNDERVOLTAGE RELAY 27X2/17 TRANSFERS TO ENERGIZED 3.94E-07	0.58	5.79E-01	
UVRER17BD7	BUS 17 UNDERVOLTAGE RELAY 27D/B/17 TRANSFERS TO DE-ENERGIZED 3.94E-07	1	3.45E-03	
296 TI0000SW	Total Loss of Service Water	1	1.00E+00	2.54E-10
ACB2FTBS18	Local Fault on 480 VAC Bus 18		7.27E-05	
ACTRAINA	TAG - Failure of AC Train A	1.01E-06	72	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.88	8.76E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
UVREKX217	BUS 17 UNDERVOLTAGE RELAY 27X2/17 TRANSFERS TO DE-ENERGIZED 3.94E-07	0.58	5.79E-01	
UVRER17B17	BUS 17 UNDERVOLTAGE RELAY 27B/17 TRANSFERS TO DE-ENERGIZED 3.94E-07	1	3.45E-03	
297 TI0000SW	Total Loss of Service Water	1	1.00E+00	2.54E-10
ACB2FTBS18	Local Fault on 480 VAC Bus 18		7.27E-05	
ACTRAINA	TAG - Failure of AC Train A	1.01E-06	72	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.88	8.76E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
UVREKX217	BUS 17 UNDERVOLTAGE RELAY 27X2/17 TRANSFERS TO DE-ENERGIZED 3.94E-07	0.58	5.79E-01	
UVRER17BD7	BUS 17 UNDERVOLTAGE RELAY 27D/B/17 TRANSFERS TO DE-ENERGIZED 3.94E-07	1	3.45E-03	
298 TI0000SW	Total Loss of Service Water	1	1.00E+00	2.54E-10
ACB2FTBS18	Local Fault on 480 VAC Bus 18		7.27E-05	
ACTRAINA	TAG - Failure of AC Train A	1.01E-06	72	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.88	8.76E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
UVRER17B17	BUS 17 UNDERVOLTAGE RELAY 27D/17 TRANSFERS TO DE-ENERGIZED 3.94E-07	0.58	5.79E-01	
UVRER17B17	BUS 17 UNDERVOLTAGE RELAY 27B/17 TRANSFERS TO DE-ENERGIZED 3.94E-07	1	3.45E-03	
299 TI0000SW	Total Loss of Service Water	1	1.00E+00	2.54E-10
ACB2FTBS18	Local Fault on 480 VAC Bus 18		7.27E-05	
ACTRAINA	TAG - Failure of AC Train A	1.01E-06	72	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.88	8.76E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
UVRER127D	BUS 17 UNDERVOLTAGE RELAY 27D/17 TRANSFERS TO DE-ENERGIZED 3.94E-07	0.58	5.79E-01	
UVRER17B17	BUS 17 UNDERVOLTAGE RELAY 27B/17 TRANSFERS TO DE-ENERGIZED 3.94E-07	1	3.45E-03	
300 TI0000SW	Total Loss of Service Water	1	1.00E+00	2.42E-10
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	
SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.88	8.76E-01	
SWAASWP1DNR	FLAG - Service Water Pump PSW01D Is Not In Operation	0.58	5.79E-01	
SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN	0.42	4.21E-01	
SWMMSWPCRT	FAILURES OF SW PUMP C TO RUN	0.02	2.47E-02	
SWTMPUMP1A	SW Pump A in maintenance	2.05E-04	2.05E-04	
SWTMPUMP1D	SW Pump D in maintenance	0.03	3.13E-02	
301 TI0000SW	Total Loss of Service Water	7.15E-03	7.15E-03	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	2.38E-10
SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation	0.88	8.76E-01	
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.42	4.21E-01	
SWMMSWPBRT	FAILURES OF SW PUMP B TO RUN	0.58	5.79E-01	
SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN	2.02E-04	2.02E-04	
SWTMPUMP1A	SW Pump A in maintenance	0.02	2.47E-02	
SWTMPUMP1D	SW Pump D in maintenance	0.03	3.13E-02	
302 TI0000SW	Total Loss of Service Water	7.15E-03	7.15E-03	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	1.61E-10
SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation	0.88	8.76E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.42	4.21E-01	
SWMMSWPAS	FAILURES OF SW PUMP A TO START	0.58	5.79E-01	
SWMMSWPCRT	FAILURES OF SW PUMP C TO RUN	3.28E-03	3.28E-03	
SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN	2.05E-04	2.05E-04	
SWTMPUMP1B	SW Pump B in maintenance	0.02	2.47E-02	
303 TI0000SW	Total Loss of Service Water	0.05	4.55E-02	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	1.61E-10
SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation	0.88	8.76E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.42	4.21E-01	
SWMMSWPAS	FAILURES OF SW PUMP A TO START	0.58	5.79E-01	
SWMMSWPCRT	FAILURES OF SW PUMP C TO RUN	3.28E-03	3.28E-03	
SWMMSWPART	FAILURES OF SERVICE WATER PUMP A TO RUN	2.05E-04	2.05E-04	
SWMMSWPDR1	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
SWTMPUMP1B	SW Pump B in maintenance	0.02	2.47E-02	
304 TI0000SW	Total Loss of Service Water	0.05	4.55E-02	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	1.38E-10
SWAASWP1DNR	FLAG - Service Water Pump PSW01D Is Not In Operation	0.88	8.76E-01	
SWMMSWPAS	FAILURES OF SW PUMP A TO START	0.42	4.21E-01	
SWMMSWPAS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
305 TI0000SW	Total Loss of Service Water	1	1.00E+00	1.28E-10
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.88	8.76E-01	
SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation	0.58	5.79E-01	
SWMMSWPBS	FAILURES OF SW PUMP B TO START	0.42	4.21E-01	
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN	3.28E-03	3.28E-03	
SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
SWTMPUMP1C	SW Pump C in maintenance	2.05E-04	2.05E-04	
306 TI0000SW	Total Loss of Service Water	0.04	3.56E-02	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	1.24E-10
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.88	8.76E-01	
SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation	0.58	5.79E-01	
SWMMSWPDS	FAILURES OF SW PUMP D TO START	0.42	4.21E-01	
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN	3.28E-03	3.28E-03	
SWMMSWPBRT	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02	
SWTMPUMP1C	SW Pump C in maintenance	2.02E-04	2.02E-04	
307 TI0000SW	Total Loss of Service Water	0.04	3.56E-02	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	1.20E-10
SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.88	8.76E-01	
SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
SWMMSWPBS	FAILURES OF SW PUMP B TO START	0.58	5.79E-01	
SWMMSWPARI	FAILURES OF SERVICE WATER PUMP A TO RUN	3.28E-03	3.28E-03	
SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN	0.02	2.47E-02	
SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
308 TI0000SW	Total Loss of Service Water	2.05E-04	2.05E-04	
PCF	PLANT CAPACITY FACTOR	1	1.00E+00	1.20E-10
		0.88	8.76E-01	

	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMMOSWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03	
	SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02	
	SWMMSWPCRT	FAILURES OF SW PUMP C TO RUN	2.05E-04	2.05E-04	
	SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
309	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.20E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWAASWP1BR	FLAG - Service Water Pump PSW01B Is In Operation	0.58	5.79E-01	
	SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation	0.58	5.79E-01	
	SWMMOSWPAS	FAILURES OF SW PUMP A TO START	3.28E-03	3.28E-03	
	SWMMSWPART	FAILURES OF SERVICE WATER PUMP A TO RUN	2.05E-04	2.05E-04	
	SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02	
	SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
310	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.19E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWAASWP1AR	FLAG - Service Water Pump PSW01A Is In Operation	0.58	5.79E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMMOSWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWMMSWPART	FAILURES OF SERVICE WATER PUMP A TO RUN	2.05E-04	2.05E-04	
	SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN	0.02	2.47E-02	
	SWMMSWPDRI	FAILURES OF SW PUMP D TO RUN	0.02	2.47E-02	
311	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.11E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation	0.42	4.21E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMMOSWPBS	FAILURES OF SW PUMP B TO START	3.28E-03	3.28E-03	
	SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN	0.02	2.47E-02	
	SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN	2.05E-04	2.05E-04	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
312	Ti0000SW	Total Loss of Service Water	1	1.00E+00	1.09E-10
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation	0.42	4.21E-01	
	SWAASWP1CR	FLAG - Service Water Pump PSW01C Is In Operation	0.58	5.79E-01	
	SWMMOSWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWMMSWPBRI	FAILURES OF SW PUMP B TO RUN	2.02E-04	2.02E-04	
	SWMMSWPCRI	FAILURES OF SW PUMP C TO RUN	0.02	2.47E-02	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
313	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	1	8.85E-03
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
314	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	1	8.85E-03
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
315	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation	0.42	4.21E-01	
	SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation	0.42	4.21E-01	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
316	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACB2FTBS17	Local Fault on 480 VAC Bus 17	1.01E-06	72	7.27E-05
	ACTRAINB	TAG - Failure of AC Train B	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
317	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWAASWP1BNR	FLAG - Service Water Pump PSW01B Is Not In Operation	0.42	4.21E-01	
	SWAASWP1DNR	FLAG - Service Water Pump PSW01D Is Not In Operation	0.42	4.21E-01	
	SWTMPUMP1B	SW Pump B in maintenance	0.05	4.55E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
318	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	ACB2FTBS18	Local Fault on 480 VAC Bus 18	1.01E-06	72	7.27E-05
	ACTRAINA	TAG - Failure of AC Train A	1	1.00E+00	
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03
	SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03
319	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation	0.42	4.21E-01	
	SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation	0.42	4.21E-01	
	SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start	1.14E-04	1.14E-04	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
320	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation	0.42	4.21E-01	
	SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation	0.42	4.21E-01	
	SWMMOSWPBS	FAILURES OF SW PUMP B TO START	3.28E-03	3.28E-03	
	SWMMOSWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
321	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation	0.42	4.21E-01	
	SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation	0.42	4.21E-01	
	SWMMOSWPBS	FAILURES OF SW PUMP B TO START	3.28E-03	3.28E-03	
	SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN	2.05E-04	2.05E-04	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
322	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation	0.42	4.21E-01	
	SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation	0.42	4.21E-01	
	SWMMOSWPBS	FAILURES OF SW PUMP B TO START	3.28E-03	3.28E-03	
	SWTMPUMP1A	SW Pump A in maintenance	0.03	3.13E-02	
	SWTMPUMP1C	SW Pump C in maintenance	0.04	3.56E-02	
	SWTMPUMP1D	SW Pump D in maintenance	7.15E-03	7.15E-03	
323	Ti0000SW	Total Loss of Service Water	1	1.00E+00	0.00E+00
	PCF	PLANT CAPACITY FACTOR	0.88	8.78E-01	
	SWAASWP1ANR	FLAG - Service Water Pump PSW01A Is Not In Operation	0.42	4.21E-01	
	SWAASWP1CNR	FLAG - Service Water Pump PSW01C Is Not In Operation	0.42	4.21E-01	
	SWMMOSWPCS	FAILURES OF SW PUMP C TO START	3.28E-03	3.28E-03	

PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWAASWP1DNR	FLAG - Service Water Pump PSW01D Is Not In Operation		0.42	4.21E-01	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
437 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWAASWP1DR	FLAG - Service Water Pump PSW01D Is In Operation		0.58	5.79E-01	
SWMMSWPDR	FAILURES OF SW PUMP D TO RUN		0.02	2.47E-02	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
438 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWCCPUMPSS	Common Cause Failure Of Service Water Pumps To Start		1.14E-04	1.14E-04	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
439 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03	
SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
440 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWMM0SWPAS	FAILURES OF SW PUMP A TO START		3.28E-03	3.28E-03	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
441 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03	
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
442 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWMM0SWPBS	FAILURES OF SW PUMP B TO START		3.28E-03	3.28E-03	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	
443 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWMM0SWPCS	FAILURES OF SW PUMP C TO START		3.28E-03	3.28E-03	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
444 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWMM0SWPDS	FAILURES OF SW PUMP D TO START		3.28E-03	3.28E-03	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
445 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWMMSWPART	FAILURES OF SERVICE WATER PUMP A TO RUN		2.05E-04	2.05E-04	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
446 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWMMSWPCRT	FAILURES OF SW PUMP C TO RUN		2.05E-04	2.05E-04	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
447 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWMMSWPDRT	FAILURES OF SW PUMP D TO RUN		2.05E-04	2.05E-04	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
448 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1A	SW Pump A in maintenance		0.03	3.13E-02	
SWTMPUMP1C	SW Pump C in maintenance		0.04	3.56E-02	
449 TI0000SW	Total Loss of Service Water		1	1.00E+00	0.00E+00
PCF	PLANT CAPACITY FACTOR		0.88	8.76E-01	
SWPPJHDRA	SERVICE WATER HEADER "A" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWPPJHDRB	SERVICE WATER HEADER "B" PIPING RUPTURE	5.53E-07	1	4.84E-03	
SWTMPUMP1B	SW Pump B in maintenance		0.05	4.55E-02	
SWTMPUMP1D	SW Pump D in maintenance		7.15E-03	7.15E-03	

Report Summary:

Filename: D:\CAFTA-WQUANT\LEVEL1\LSW-IN-1.CUT

Print date: 06/22/2001 1:15 PM

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ATTACHMENT 5
June 29, 2001 Email From RGE To NRC, Subject: Loss of SW SDP

Mail Envelope Properties

(3B3CA0A5.FDA : 22 : 8154)

Subject: Loss of SW SDP
Creation Date: 6/29/01 11:36AM
From: <Mark_Flaherty@rge.com>

Created By: Mark_Flaherty@rge.com

Recipients

nrc.gov
kp1_po.KP_DO
FJA (Frank Arner)
WLS (Wayne Schmidt)
JMT1 (James Trapp)

rge.com
Thomas_Harding CC

Post Office

kp1_po.KP_DO

Route

nrc.gov
rge.com

Files	Size	Date & Time
MESSAGE	111	06/29/01 11:36AM
RiskQuestions.wpd	36497	
Header	1000	

Options

Expiration Date: None
Priority: Standard
Reply Requested: No
Return Notification: None

Concealed Subject: No
Security: Standard

From: <Mark_Flaherty@rge.com>
To: <JMT1@nrc.gov>, <wls@nrc.gov>, <FJA@nrc.gov>
Date: 6/29/01 11:37AM
Subject: Loss of SW SDP

Based on conversations with Jim Trapp on Wed, here is a revised letter:
(See attached file: RiskQuestions.wpd)

CC: <Thomas_Harding@rge.com>

SDP Questions Ginna SSDI

In order to ensure that everyone is talking from the same page, here is a summary of the expected loss of service water (LOSW) scenario that will be used as a reference point in responding to the NRC questions.

- A. Given a LOSW, the plant would trip either automatically or manually within a few minutes due to loss of BOP related equipment, CCW to the RCPs, etc. The following equipment (as a minimum) will be assumed failed due to the loss of SW:
- IA Compressors A, B, C. However, the service air compressor (normally cross-tied to IA) and the diesel air compressor are available.
 - MDAFW Pumps A and B. However, the TDAFW pump will auto start on low SG level (shrink due to reactor trip) and the SAFW pumps will be available.
 - CCW high temperature alarms will result in tripping the CCW pumps. This will fail cooling to the RCPs (which will also be tripped) and the RHR heat exchangers (failing sump recirculation and RHR cooldown).
 - MFW and Condensate pumps
- B. Once the plant has tripped, the operators enter procedure E-0. It would be expected that SI conditions would not exist (nor a manual SI required) and operators would exit E-0 after step 4 and enter procedure ES-0.1.
- C. Upon exiting E-0, the STA would consult the Critical Safety Function Status Trees (CSFSTs) per EOP usage guides (procedure A-503.1) and the note prior to the first step in ES-0.1. Included within the CSFSTs is verification that there is 200 gpm total AFW flow and 5% level in at least one SG. The STA performs this verification approximately once every 10-20 minutes (step 3.2.10.3 of procedure A-503.1). At this point, there is also a shift briefing to discuss the plant status. It would be expected that the loss of SW would be discussed, but we will assume that this is not discussed for the purpose of this review.
- D. Procedure ES-0.1 provides instructions to the operators to stabilize the plant and bring it to hot shutdown conditions. There is a step to verify the number of operating SW pumps (#5) and a continuous action step (#9) to verify SG level > 5%. The last step of the procedure requires the operators to consult plant staff to determine if cooldown is required and to go to procedure ES-0.2 for natural circulation cooldown (since there are no RCPs). It can be assumed that between the plant staff and licensed operators, that a decision would be made to limit the plant cooldown with no SW present since CCW and RHR are not available. However, it will be assumed that the 2 hour run time with no SW lube oil cooling to the TDAFW pump will not be identified since this is only found in procedure ECA-0.0 (SBO).
- E. Procedure ES-0.2 instructs the operators to cooldown and depressurize the RCS using natural circulation. As mentioned above in D, it can be assumed that the plant cooldown would be limited with no SW available. However, it will now be assumed that the TDAFW pump fails after 2 hours of operation with no SW cooling for lube oil. Since AFW and maintaining SG level is a basis for providing natural circulation, it would be expected that operators would be monitoring it closely. The STA would also be monitoring these as part of the CSFSTs once every 10-20 minutes. Between these and the expected control board alarms, operators would transition to FR-H.1 upon loss of the TDAFW pump.
- F. Procedure FR-H.1 instructs the operators to restore feedwater flow to the SGs first by preferred AFW, then by MFW, then by SAFW. Preferred AFW and MFW will be

assumed unavailable such that only SAFW can be used. EOP Attachment 5.1 instructs the operators to align SAFW taking suction from SW. Procedure ER-AFW.1 provides instructions on how to use alternate suction sources (e.g., city and fire water); however, there is no direct links to ER-AFW.1 from FR-H.1 and Attachment 5.1 other than CST level < 5 feet. Regardless, the operators know that SW is unavailable and have been trained on the use for ER-AFW.1 for similar type circumstances. That is, ER-AFW.1 is considered to be an Abnormal Operating Procedure (AOP) that is referenced by the EOP series of procedures. Operators are trained and expected to utilize AOP type of procedures as needed in support of EOP implementation. Also, the minimum CST level specified in LCO 3.7.6 is based on providing sufficient inventory for the TDAFW pump for 2 hours post trip in accordance with NUREG-0737, item II.E.1.1. As such, the operators would be expected to be procedurally directed into ER-AFW.1 from low CST level at about the same time that the TDAFW pump would fail due to insufficient lube oil cooling. See also H and I below.

G. If AFW, MFW, and SAFW cannot be implemented by FR-H.1, then the operators are instructed to use the condensate system or implement feed and bleed. The condensate system requires SW for motor cooling and would be unavailable. Feed and bleed occurs until necessary subcooling margin is obtained such that the SI pumps can be stopped and the PORVs closed. At this time, the plant would go to normal RHR shutdown cooling (requires SW), sump recirculation (requires SW), or stabilize on AFW that has been restored. Assuming a SI flowrate of 500 gpm (each pump is designed for 350 gpm and given the initial lower decay heat levels) and 300,000 gallons of RWST inventory, the need to be on RHR or AFW would not occur before 10 hours. It can be expected that either SW, the TDAFW pump, or SAFW would be recovered within this time frame. However, the PSA model assumes that recirculation capability is required (i.e., there is no credit for this recovery).

H. With respect to the 2 hour run time of the TDAFW pump, attached is the current UFSAR description of this issue. As can be seen, there have been several tests of operating the TDAFW pump without any service water. The following summarizes these tests:

- On March 6-8, 1981, RG&E conducted a 48 hour Endurance Test of all AFW pumps, including the TDAFW pump, in support of TMI Item II.E.1.1. The TDAFW pump was run on recirculation flow rate of 125 gpm for the duration of the test. SW was isolated to the TDAFW pump (pump outboard bearing, quench tank, and lube oil cooling) at the onset of the test. One hour into the test, it was identified that the SW inlet valve to the pump outboard bearing was leaking by and the outlet valve was closed at that time. Steam then began emitting from the funnel drain at the pump bearing and at 3 hours 55 minutes, SW was restored to prevent the steaming from impacting the nearby control rod drive cabinets and causing a reactor trip. At 24 hours into the test, SW was again isolated to the TDAFW pump but restored to the outboard bearing 1 hour and 50 minutes later due to steaming issues again. The lube oil cooler remained isolated until 39 hours into the test (i.e. for 15 hours). All pump parameters were within manufacturer recommendations.
- On April 17, 1981 the TDAFW pump was run for 2 hours without SW cooling under accident conditions (i.e., 200 gpm). All pump parameters were within manufacturer recommendations.

Based on the above, it is extremely conservative to assume that the TDAFW pump will fail after 2 hours of no SW cooling. It has been demonstrated that the TDAFW pump can run without lube oil cooling for 4 hours and 15 hours under recirculation flow conditions

and 2 hours under design flow conditions. It has also been demonstrated that the TDAFW pump can run without cooling to the outboard bearing for 2 hours 55 minutes (with no credit for the first 1 hour with a leaking SW valve) under recirculation flow conditions and 2 hours under design flow conditions. The only reason that these times are less than the lube oil cooler is due to test constraints and the desire to prevent a potential reactor trip, not from TDAFW pump operability concerns.

- I. LCO 3.7.6 requires that one CST be filled up to 21.5 feet (22,500 gallons) to ensure 2 hours of TDAFW water post-trip. However, Ginna Station has two CSTs, both of which are normally in service. Discussions with control room personnel indicate that they normally maintain the CSTs at approximately 21 feet (low level alarms begin to occur at 19 feet with overfill at around 23 feet). Since this is intended to be a PSA based, best estimate calculation, we can assume both tanks are at 21.5 feet (45,000 gallons). We can also assume that the TDAFW pump will run at 200 gpm for the first hour, 175 gpm for the second hour and 125 gpm for the subsequent hours based on decay heat loads. Using this, we can calculate the time to reach 5 feet in both tanks (typical entry into ER-AFW.1 per the EOPs):
 - If 21.5 feet equals 22,500 gallons, then 5 feet equals 5,232 gallons, or 10,464 gallons for two tanks.
 - Given the TDAFW pump flow rates, we calculate the inventory used as: 200 gpm (60 min) + 175 gpm (60 min) + 125 gpm (x min), or 22,500 gallons + 125x.
 - To calculate the time to reach 5 feet in both tanks:
 - a. 45,000 gallons (2 full tanks) - 10,464 gallons (5 ft) = (22,500 gallons + 125x)
 - b. 34,536 gallons = 22,500 gallons + 125x
 - c. x = 96 mins, or within 4 hours of the event

1. **Does the Ginna PRA assume the need for the crosstie of the cooling water from the fire main for total loss of service water scenarios? If so, was the assumption of the frequency of success the same as assumed in AFHFDALTTD? If so, this does not appear appropriate since the operator must recognize (proceduralized) the loss of fire water and take actions to align the city water to the fire headers (proceduralized) and also recognize (not proceduralized) the need to connect the temporary supply hose (proceduralized).**

As indicated in PSA Final Report, Appendix F, Table F-4, event AFHFDALTTD is only credited for SBO scenarios (i.e., scenarios where procedure ECA-0.0 is entered). All other scenarios use a value of 1.0 for using fire water to support the TDAFW pump.

2. **How would you estimate the Diagnosis HEP for the LOSW event, (given no procedure guiding the operator recognition) verse time for:**
 - a. **The alignment of City/Fire water to the TDAFW pump of the need to complete Att-5.2?**
 - b. **The alignment of City Water to SAFW?**

The diagnosis for alignment of fire water to the TDAFW pump (AFHFDALTTD) and city water to SAFW (AXHFDCITYW) was based on the following:

- a. AFHFDALTTD - Cues to perform this action would only be available upon entering ECA-0.0, Step 8.d. All other scenarios do not credit this action (i.e., failure probability of 1.0).
- b. AXHFDCITYW - Cues to perform this action would be from one of the following: (1) low CST level - found on foldout page of all EOPs; (2) Step 13.a RNO of Procedure FR-C.1 for inadequate core cooling if SG level cannot be maintained > 5%; (3) Auxiliary Operator (AO) monitoring of the TDAFW per Step 3.6.3 of Procedure OPS-SHIFT-RESP which states "during abnormal or emergency conditions, the AOs shall be available to perform equipment monitoring and any local manipulations necessary, as directed by the SS, CRF, or Control Operators"; and (4) Step 7 of Procedure FR-H.1 for inadequate heat sink if SAFW cannot be aligned to SW. Note that for the last item, there is no direct procedural guidance. However, as described in item F of the event summary, operators are expected to utilize AOPs like ER-AFW.1 in a situation like this. The calculation of this value was previously provided to the NRC and assumes that the operator had 20 minutes of diagnosis available. With 2 hours of successful TDAFW operation, this diagnosis time would be much longer.

3. **Was the Total mean HEP for the City water to fire water ever calculated? Has it been calculated now? If so what is it? (Please include the calculation).**

No HEP for this event has ever been calculated, nor is there any intention of generating one at this time. Instructions to perform this step are not contained within the EOP and AOP series of procedures (i.e., they are in other plant testing procedures). However, this activity is performed during testing and maintenance of the fire water systems and is called out in the TRM for when both fire pumps are inoperable (i.e., establish a backup fire water system). That is, operators are aware of this capability.

4. **Relative to crediting feed and bleed for a LOSW - What does the current PRA assume? We think that the SDP assumes no feed and bleed because the recirc capability would not be available. Does the PRA assume anything relative to the time dependence until the RWST reaches the point for swapover? Are there procedures in place for establishing a source of cooling water to the RHR Hxs, without SW?**

The PSA utilizes a single transient event tree which contains, among other transients, the LOSW event (see PSA Final Report Figure 5-1). For the feed portion of feed and bleed, top event UH1 on the figure (High Pressure Injection) contains the logic for gate SR500, FAILURE TO DELIVER FLOW FROM 1 OF 3 SI PUMPS TO THE RCS DURING RECIRC. Since no recovery of SW is credited (as described in the event summary, item G), feed and bleed is not success for a LOSW event. However, since it would take over 10 hours to deplete the RWST, it could be postulated that the SW or AFW system would be recovered, or even the RWST refilled. There is no procedure which establishes an alternate source of cooling to the RHR HXs, primarily due to the number of AFW pumps.

5. **What is the current PRA core damage prob for LOSW? What would the LOSW core damage probability be given: (for each please include the sequences of interest and the assumed failure probabilities. If feed and bleed is credited please explain how.)**

- a. **Inability to align Firewater to the TDAFW pump (given nominal failure probability for aligning city water to SAFW).**
- b. **Inability to align Firewater to the TDAFW pump and inability to align city water to SAFW.**

Three LOSW scenarios were solved as described below. In no instance is credit for feed and bleed taken.

- *LOSW as currently addressed within the PSA model* - The attached cutset file (LOSW1.XLS) shows a CDF of $3.035E-06$ with risk dominated by transients with no AFW available. Note that event AFHFDALTTD is only found in combination with a SBO event. Also, AXHFDCITYW is not found in the cutsets. This is due to the fact that there is already a human error event of failing to start SAFW per EOP steps (AXHFDSAFWX) within the models. For LOSW, this event also includes failure to align city water since no SW is available at the outset. Consequently, event AXHFDSAFWX was increased by the necessary factor to result in a failure probability of $1.0E-02$ similar to AFHFDALTTD.
- *LOSW with no credit for aligning Firewater to TDAFW* - this is the same as the first sequence since event AFHFDALTTD is only credited for SBO cutsets.
- *LOSW with no credit for aligning Firewater to TDAFW nor city water to SAFW* - If no credit is taken for TDAFW and the SAFW systems, then the CDF is equivalent to the LOSW frequency, or $2.00E-04/yr$ (LOSW2.XLS). However, this scenario is not considered credible due to the reasons described below:
 - a. Operators treatment of ER-AFW.1 as a AOP which is entered as necessary in the EOPs.
 - b. Operators would initialize SAFW using FR-H.1 once the TDAFW pump failed. Since this would not be expected to be implemented for at least 2 hours following the LOSW, operators would only need one SAFW pump due to low decay heat levels. The operator would start one pump which would quickly fail with no suction source if he attempted to use SW as the suction source as the procedure describes. Based on the extensive use of STAR practices, the operator would be expected to question why the pump failed before attempting to start a second SAFW pump.
 - c. If operators failed to align city water to SAFW in FR-H.1, they would go to feed and bleed. Once this failed due to lack of RWST inventory and ability to go onto RHR, the core would heat up and the operators would enter FR-C.1. This procedure has specific guidance to enter ER-AFW.1 in step 13.a RNO for when SG level is $< 5\%$ and 200 gpm of AFW cannot be established.
 - d. AOs would be expected to be monitoring the status of the TDAFW pump as required by the procedure outlining shift responsibilities. This is especially true if the TDAFW pump is the only operating preferred AFW pump. If the AO identified pump problems (temperatures, steam, etc), they would notify the control room who would be looking at alternatives.
 - e. As described in items H and I, the CST low level alarms are expected to occur at just over 3.5 hours into the event with an operating TDAFW pump. Based on the tests conducted in 1981, failure of the TDAFW pump is not expected to occur prior to this time. That is, the March 1981 test

was conducted with only a leaking SW valve supplying the outboard bearings for 1 hour and no SW cooling for the subsequent 2 hours and 55 minutes.

Even assuming a generic operator failure rate of 0.1, and that items b and c are dependent (i.e., single event), this amounts to an operator error rate of $1E-03$ to start a SAFW pump under this scenario if the TDAFW pump were assumed to fail at an unlikely time of only 2 hours.

UFSAR

10.5.4.2 Alternating Current Independence of the Turbine-Driven Auxiliary Feedwater Pump (TDAFW)

As part of the review for NUREG 0737, Item II.E.1.1, Ginna Station was evaluated to determine if there was an essential dependence of the turbine-driven auxiliary feedwater pump (TDAFW) system on ac power. It was determined that the only ac dependence was the need for service water (SW) cooling of the lube-oil for the turbine-driven pump. The turbine-driven feedwater pump (TDAFW) has an ac lube-oil pump and a dc lube-oil pump. These pumps direct the oil through a heat exchanger, which depends on the ac-powered service water (SW) system pumps to cool the oil. The outboard (thrust) bearing of the pump is also provided directly with service water cooling through a water jacket within the bearing housing. The inboard pump radial bearing is cooled by an oil bath without an external source of cooling water. In the event of a total loss of ac power, lube-oil cooling capability for the turbine-driven pump will be lost due to the loss of ac power to the service water (SW) pumps.

An NRC criterion (Recommendation GL-3 of NUREG-0737 Action Item II.E.1.1) was that the as-built plant should be capable of providing the required preferred auxiliary feedwater flow for at least 2 hr from one preferred auxiliary feedwater pump train independent of any ac power source. As part of the 48 hour Endurance Test conducted on March 6-8, 1981, RG&E performed a test with service water (SW) secured to the turbine's lube oil cooler and the pump outboard (thrust) bearing. The pump was run for a duration of 3 hours 55 minutes in one sequence without any service water cooling and for 15 hours in a later sequence without service water cooling to the turbine lube oil cooler. During the first sequence, excessive steaming from the floor drains with service water secured caused the reinitiation of service water (SW) to the pump thrust bearing. The Endurance Test was run in the recirculation mode with 125 gpm passing through the recirculation line back to the condensate storage tanks (CST). Throughout the testing without service water supplied, the pump outboard (thrust) bearing, which is service water cooled, and the inboard pump radial bearing (oil bath) were within manufacturer's limits of 165°F. The turbine governor bearing return oil temperature and turbine inboard bearing return oil temperature, as well as the turbine lube oil reservoir temperature, stabilized well within the manufacturer's limit of 180°F.

In addition to the Endurance Test, another test was performed on April 17, 1981, for a period of 2 hours without service water cooling to the outboard pump bearing and turbine lube oil cooler, this sequence with the pump delivering 200 gpm (100 gpm to each steam generator). This test was performed to simulate accident conditions. This test also confirmed that oil temperature, as well as pump and turbine bearing temperatures stabilized within acceptable limits.

In a letter dated June 8, 1981 (Reference 7) RG&E submitted the test results for these tests. In a letter dated June 16, 1982 (Reference 5) the NRC concluded that, based on the results of the recirculation flow test and the 2 hour test on April 17, 1981, RG&E has shown that the turbine-driven auxiliary feedwater system (TDAFW) does not have an essential ac power dependence.