

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

June 6, 2002

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

Serial No. 02-344  
NAPS/MPW  
Docket Nos. 50-338  
50-339  
License Nos. NPF-4  
NPF-7

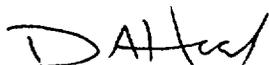
Gentlemen:

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**NORTH ANNA POWER STATION UNITS 1 AND 2**  
**REVISION TO EMERGENCY PLAN IMPLEMENTING PROCEDURE**

Pursuant to 10 CFR 50.54(q), enclosed is recent revision to a North Anna Power Station Emergency Plan Implementing Procedure. The revision does not implement actions that decrease the effectiveness of our Emergency Plan. The Emergency Plan and Implementing Procedures continue to meet the standards of 10 CFR 50.47(b).

Please update your manual by performing the actions described in Attachment 1, Tabulation of Changes.

Very truly yours,



D. A. Heacock  
Site Vice President

Commitments Stated or Implied: None.

Enclosures

cc: U.S. Nuclear Regulatory Commission (2 copies)  
Region II  
Atlanta Federal Center  
61 Forsyth St., SW, Suite 23T85  
Atlanta, GA 30303

Mr. M. J. Morgan  
NRC Senior Resident Inspector  
North Anna Power Station

A045

**ATTACHMENT 1  
TABULATION OF CHANGES**

**VIRGINIA ELECTRIC AND POWER COMPANY  
REVISION TO NORTH ANNA POWER STATION  
EMERGENCY PLAN IMPLEMENTING PROCEDURE**

Enclosed is a recent change to a North Anna Power Station Emergency Plan Implementing Procedure (EPIP). Please take the following actions in order to keep your manual updated.

<b>REMOVE AND DESTROY</b>	<b>DATED</b>	<b>INSERT</b>	<b>EFFECTIVE DATE</b>
EPIP-1.01, Rev. 35	02/11/02	EPIP-1.01, Rev. 36	05/15/02

Emergency Plan Privacy and Proprietary Material has been removed. Reference Generic Letter No. 81-27.

VIRGINIA POWER  
NORTH ANNA POWER STATION  
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER EPIP-1.01	PROCEDURE TITLE EMERGENCY MANAGER CONTROLLING PROCEDURE  (With 3 Attachments)	REVISION 36
		PAGE 1 of 7

**PURPOSE**

To assess potential emergency conditions and initiate corrective actions.

**ENTRY CONDITIONS**

Any of the following:

1. Another station procedure directs initiation of this procedure.
2. A potential emergency condition is reported to the Shift Supervisor.

**LEVEL 2 DISTRIBUTION  
This Document Should Be Verified  
And Annotated To A Controlled Source  
As Required to Perform Work**

Approvals on File

Effective Date 5/15/2002

<b>NUMBER</b> EPIP-1.01	<b>PROCEDURE TITLE</b> EMERGENCY MANAGER CONTROLLING PROCEDURE	<b>REVISION</b> 36 <hr/> <b>PAGE</b> 2 of 7
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**STEP**

**ACTION/EXPECTED RESPONSE**

**RESPONSE NOT OBTAINED**

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**CAUTION:** Declaration of the highest emergency class for which an Emergency Action Level is exceeded shall be made.

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**NOTE:** The ERFCS is potentially unreliable in the event of an earthquake. Therefore, ERFCS parameters should be evaluated for accuracy should this situation occur.

\_\_\_\_ 1 EVALUATE EMERGENCY ACTION LEVELS:

- a) Determine event category using Attachment 1, EMERGENCY ACTION LEVEL TABLE INDEX
  - b) Review EAL Tab associated with event category
  - c) Use Control Room monitors, ERFCS, and outside reports to get indications of emergency conditions listed in the EAL Table
  - d) Verify EAL - CURRENTLY EXCEEDED
- d) IF basis for EAL no longer exists when discovered AND no other reasons exist for an emergency declaration, THEN do the following:
- RETURN TO procedure in effect.
  - GO TO VPAP-2802, NOTIFICATIONS AND REPORTS, to make one-hour, non-emergency reports for classification without declaration.

IF EAL was NOT exceeded, THEN RETURN TO procedure in effect.

(STEP 1 CONTINUED ON NEXT PAGE)

NUMBER EPIP-1.01	PROCEDURE TITLE EMERGENCY MANAGER CONTROLLING PROCEDURE	REVISION 36
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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
1	EVALUATE EMERGENCY ACTION LEVELS: (Continued)	
	e) Record procedure initiation:	
	<ul style="list-style-type: none"> <li>• By: _____</li> <li>  Date: _____</li> <li>  Time: _____</li> </ul>	
	f) Initiate a chronological log of events	
	g) Declare position of Station Emergency Manager	
	<p><b>NOTE:</b> Assembly, accountability and/or initiation of facility staffing may not be desired during certain situations (e.g., security event, severe weather, anticipated grid disturbance) or may have already been completed. These activities should be implemented as quickly as achievable given the specific situation.</p>	
_____ 2	CHECK - CONDITIONS ALLOW FOR NORMAL IMPLEMENTATION OF EMERGENCY RESPONSE ACTIONS	<p><u>IF</u> deviation from normal emergency response actions warranted, <u>THEN</u> do the following:</p>
		a) Refer to Attachment 3, Considerations for Operations Response Under Abnormal Conditions.
		b) Consider applicability of 50.54(x).
		c) <u>IF</u> classification/assembly announcement deferred, <u>THEN</u> GO TO Step 4.

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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
1	<b>EVALUATE EMERGENCY ACTION LEVELS: (Continued)</b>  e) Record procedure initiation: <ul style="list-style-type: none"> <li>• By: _____</li> <li>  Date: _____</li> <li>  Time: _____</li> </ul> f) Initiate a chronological log of events  g) Declare position of Station Emergency Manager	
<b>NOTE:</b>	Assembly, accountability and/or initiation of facility staffing may not be desired during certain situations (e.g., security event, severe weather, anticipated grid disturbance) or may have already been completed. These activities should be implemented as quickly as achievable given the specific situation.	
2	<b>CHECK - CONDITIONS ALLOW FOR NORMAL IMPLEMENTATION OF EMERGENCY RESPONSE ACTIONS</b>	<b><u>IF</u> deviation from normal emergency response actions warranted, <u>THEN</u> do the following:</b>  a) Refer to Attachment 4, Considerations for Operations Response Under Abnormal Conditions.  b) Consider applicability of 50.54(x).  c) <b><u>IF</u> classification/assembly announcement deferred, <u>THEN</u> GO TO Step 4.</b>

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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
3	<p>NOTIFY PLANT STAFF OF ALERT OR HIGHER CLASSIFICATION:</p> <p>a) Check classification - ALERT OR HIGHER</p> <p>b) Check if emergency assembly and accountability - PREVIOUSLY CONDUCTED</p> <p>c) Have Control Room sound EMERGENCY alarm and make announcement on station Gai-Tronics system as follows:  “(Emergency classification) has been declared as the result of _____”  (event)</p> <p>d) Repeat Step 3.c</p>	<p>a) GO TO Step 4.</p> <p>b) Do the following:</p> <p>1) Have Control Room sound EMERGENCY alarm and make announcement on station Gai-Tronics system as follows:  “(Emergency classification) has been declared as the result of _____”  (event)  “All Emergency Response personnel report to your assigned stations”  “All contractor personnel not responding to the emergency and all visitors report to the Security Building”  “All other personnel report to your Emergency Assembly Areas”</p> <p>2) Repeat RNO Step 3.b.1.</p> <p>3) GO TO Step 4.</p>

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**STEP**

**ACTION/EXPECTED RESPONSE**

**RESPONSE NOT OBTAINED**

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**CAUTION:** Continue through this and all further instructions unless otherwise directed to hold.

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- \_\_\_ 4 INITIATE SUPPORTING PROCEDURES:
- a) Direct Emergency Communicators to initiate the following procedures:
    - 1) EPIP-2.01, NOTIFICATION OF STATE AND LOCAL GOVERNMENTS
    - 2) EPIP-2.02, NOTIFICATION OF NRC
  - b) Direct HP to initiate EPIP-4.01, RADIOLOGICAL ASSESSMENT DIRECTOR CONTROLLING PROCEDURE
  - c) Establish communications with Security Team Leader:
    - 1) Provide Security with current emergency classification
    - 2) Notify Security which Operations Shift is designated for coverage
    - 3) Direct Security to initiate EPIP-5.09, SECURITY TEAM LEADER CONTROLLING PROCEDURE

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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
_____ 5	CHECK TSC - ACTIVATED	<p><u>IF</u> TSC <u>NOT</u> activated, <u>THEN</u> do the following:</p> <ul style="list-style-type: none"> <li>a) Have STA report to the Control Room.</li> <li>b) Notify Superintendent Operations or Operations Manager On Call.</li> <li>c) Consider having Radiological Assessment Director report to the Control Room.</li> <li>d) <u>WHEN</u> relief SEM arrives, <u>THEN</u> perform turnover using EPIP-1.01, Attachment 2, Turnover Checklist.</li> </ul>
_____ 6	<p>IMPLEMENT EPIP FOR EMERGENCY CLASSIFICATION IN EFFECT:</p> <ul style="list-style-type: none"> <li>• <b>Notification of Unusual Event</b> - GO TO EPIP-1.02, RESPONSE TO NOTIFICATION OF UNUSUAL EVENT</li> <li>• <b>Alert</b> - GO TO EPIP-1.03, RESPONSE TO ALERT</li> <li>• <b>Site Area Emergency</b> - GO TO EPIP-1.04, RESPONSE TO SITE AREA EMERGENCY</li> <li>• <b>General Emergency</b> - GO TO EPIP-1.05, RESPONSE TO GENERAL EMERGENCY</li> </ul>	

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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
_____ 7	NOTIFY OFFSITE AUTHORITIES OF EMERGENCY TERMINATION:  a) State and local governments (made by LEOF or CEOF when activated)  b) NRC	
_____ 8	NOTIFY STATION PERSONNEL ABOUT THE FOLLOWING:  • Emergency termination  • Facility de-activation  • Selective release of personnel  • Completion and collection of procedures  • Recovery	
_____ 9	TERMINATE EPIP-1.01:  • Give completed EIPs, forms and other applicable records to Nuclear Emergency Preparedness (TSC Emergency Procedures Coordinator if TSC activated)  • Completed By: _____  Date: _____  Time: _____	

-END-

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE	36
ATTACHMENT 1	INDEX	PAGE 1 of 45

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- CAUTION:
- Declaration of the highest emergency class for which an EAL is exceeded shall be made.
  - Emergency Action Levels shall be conservatively classified based on actual or anticipated plant conditions.

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- NOTE:
- Design Change Package 99-006, Replacement of Ventilation Radiation Monitors (NAPS Units 1 & 2), replaces KAMAN process and vent stack particulate, iodine and gaseous radiation monitors with a radiation monitor system manufactured by MGP Instruments (MGPI). Affected EALs are: B-4, B-7, C-7, C-9, E-3, E-5, G-1 and G-2. Both KAMAN and MGPI indications are provided for classification depending upon which system is in service. During the interim period when neither system is in service, indications are provided for classification based on HP monitoring and assessments.
  - Two versions of EALs B-8, B-9 and L-3 address use before and after ITS is implemented. Also, EAL G-1's references to a renumbered Technical Specification figure lists both figure numbers.

EVENT CATEGORY: TAB

- |     |   |   |
|-----|---|---|
| 1.  | Safety, Shutdown, or Assessment System Event..... | A |
| 2.  | Reactor Coolant System Event.....                 | B |
| 3.  | Fuel Failure or Fuel Handling Accident.....       | C |
| 4.  | Containment Event.....                            | D |
| 5.  | Radioactivity Event.....                          | E |
| 6.  | DELETED   |   |
| 7.  | Loss of Secondary Coolant.....                    | G |
| 8.  | Electrical Failure.....                           | H |
| 9.  | Fire.....   | I |
| 10. | Security Event.....                               | J |
| 11. | Hazard to Station Operation.....                  | K |
| 12. | Natural Events.....                               | L |
| 13. | Miscellaneous Abnormal Events.....                | M |

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB A)	36
ATTACHMENT 1	SAFETY, SHUTDOWN, OR ASSESSMENT SYSTEM EVENT	PAGE 2 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>CAUTION: EAL C.2 is duplicated below for cross-reference/comparison to EAL A.1:</p>		
<p>C.2. Probable large radioactivity release initiated by loss of heat sink leading to core degradation</p> <p>MODES 1, 2, 3 &amp; 4</p>	<p>Loss of Main Feedwater System, Condensate System and Auxiliary Feedwater System</p>	<p>GENERAL EMERGENCY</p>
<p>1. Loss of function needed for unit HSD condition</p> <p>MODES 1, 2, 3 &amp; 4</p>	<ul style="list-style-type: none"> <li>• Total loss of the Charging/SI System</li> </ul> <p style="text-align: center;"><u>OR</u></p> <ul style="list-style-type: none"> <li>• Total loss of the Main Feedwater and Auxiliary Feedwater systems</li> </ul>	<p>SITE AREA EMERGENCY</p>
<p>2. Failure of the Reactor Protection System to initiate and complete a required trip while at power</p> <p>MODES 1 &amp; 2</p>	<ul style="list-style-type: none"> <li>• Reactor trip setpoint and coincidences - EXCEEDED</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Automatic trip from RPS - FAILED</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Manual trip from Control Room - FAILED</li> </ul>	<p>SITE AREA EMERGENCY</p>

NUMBER	ATTACHMENT TITLE	REVISION
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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>3. Inability to monitor a significant transient in progress</p> <p>MODES 1, 2, 3 &amp; 4</p>	<ul style="list-style-type: none"> <li>• Most (&gt;75%) or all annunciator alarms on panels "A" to "K" - NOT AVAILABLE</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• All computer monitoring capability (e.g., plant computer, ERFCs) - NOT AVAILABLE</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Significant transient - IN PROGRESS (e.g., reactor trip, SI actuation, turbine runback &gt;25% thermal reactor power, thermal power oscillations &gt;10%)</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Inability to directly monitor any one of the following using Control Room indications: <ul style="list-style-type: none"> <li>• Subcriticality</li> <li>• Core Cooling</li> <li>• Heat Sink</li> <li>• Vessel Integrity</li> <li>• Containment Integrity</li> </ul> </li> </ul>	<p>SITE AREA EMERGENCY</p>
<hr/> <p>4. Evacuation of Main Control Room with control not established within 15 minutes</p> <p>ALL MODES</p>	<p>Evacuation of the Control Room with local shutdown control not established within 15 minutes</p>	<p>SITE AREA EMERGENCY</p>

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB A) SAFETY, SHUTDOWN, OR ASSESSMENT SYSTEM EVENT	36
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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
5. Total loss of function needed for unit CSD condition  MODES 5 & 6	<ul style="list-style-type: none"> <li>• Secondary system cooling capability - UNAVAILABLE</li> <li style="text-align: center;"><u>AND</u></li> <li>• Loss of any of the following systems:               <ul style="list-style-type: none"> <li>• Service Water</li> <li>• Component Cooling</li> <li>• RHR</li> </ul> </li> <li style="text-align: center;"><u>AND</u></li> <li>• RCS temperature GREATER THAN 140 °F</li> </ul>	ALERT
6. Failure of the Reactor Protection System to complete a trip which takes the Reactor Subcritical  MODES 1 & 2	<ul style="list-style-type: none"> <li>• Reactor trip setpoint and coincidences - EXCEEDED</li> <li style="text-align: center;"><u>AND</u></li> <li>• Automatic trip from RPS - FAILED</li> <li style="text-align: center;"><u>AND</u></li> <li>• Manual trip - REQUIRED</li> <li style="text-align: center;"><u>AND</u></li> <li>• Manual trip from Control Room - SUCCESSFUL</li> </ul>	ALERT

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB A)	36
ATTACHMENT	SAFETY, SHUTDOWN, OR ASSESSMENT SYSTEM EVENT	PAGE
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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>7. Unplanned loss of safety system annunciators with compensatory indicators unavailable or a transient in progress</p> <p>MODES 1, 2, 3 &amp; 4</p>	<ul style="list-style-type: none"> <li>• Unplanned loss of most (&gt;75%) or all annunciator alarms on panels "A" to "K" for GREATER THAN 15 minutes</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• All computer monitoring capability (e.g., plant computer, ERFCs) - NOT AVAILABLE</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Significant transient - INITIATED OR IN PROGRESS (e.g., reactor trip, SI, turbine runback &gt; 25% thermal reactor power, thermal power oscillations &gt; 10%)</p>	ALERT
<p>8. Evacuation of Main Control Room required</p> <p>ALL MODES</p>	<p>Evacuation of the Control Room with shutdown control established within 15 minutes</p>	ALERT
<p>9. Inability to reach required mode within technical specification limits</p> <p>MODES 1, 2, 3 &amp; 4</p>	<ul style="list-style-type: none"> <li>• Intentional reduction in power, load or temperature IAW T.S. Action Statement - HAS COMMENCED</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• T.S. Action Statement time limit for mode change - CANNOT BE MET</li> </ul>	NOTIFICATION OF UNUSUAL EVENT

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB A) SAFETY, SHUTDOWN, OR ASSESSMENT SYSTEM EVENT	36
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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>10. Failure of a safety or relief valve to close after pressure reduction, which may affect the health and safety of the public</p> <p>MODES 1, 2, 3, 4 &amp; 5</p>	<ul style="list-style-type: none"> <li>• <u>RCS</u> <ul style="list-style-type: none"> <li>• RCS pressure - LESS THAN 2000 psig</li> </ul> </li> <li style="text-align: center;"><u>OR</u></li> <li>• NDT Protection System - IN SERVICE</li> <li style="text-align: center;"><u>AND</u></li> <li>• Any indication after lift or actuation that Pressurizer Safety or PORV - REMAINS OPEN</li> <li style="text-align: center;"><u>AND</u></li> <li>• Flow - UNISOLABLE</li> <li>• <u>Main Steam</u> <ul style="list-style-type: none"> <li>• Excessive Steam Generator Safety, PORV or Decay Heat Release flow as indicated by rapid RCS cooldown rate</li> </ul> </li> <li style="text-align: center;"><u>AND</u></li> <li>• Main Steam pressure greater than 100 psi below setpoint of affected valve</li> </ul>	<p>NOTIFICATION OF UNUSUAL EVENT</p>
<p>11. Unplanned loss of most or all safety system annunciators for greater than 15 minutes</p> <p>MODES 1, 2, 3 &amp; 4</p>	<ul style="list-style-type: none"> <li>• Unplanned loss of most (&gt;75%) or all annunciators on panels "A" to "K" for GREATER THAN 15 minutes</li> </ul>	<p>NOTIFICATION OF UNUSUAL EVENT</p>

<b>NUMBER</b> EPIP-1.01	<b>ATTACHMENT TITLE</b> EMERGENCY ACTION LEVEL TABLE (TAB A) SAFETY, SHUTDOWN, OR ASSESSMENT SYSTEM EVENT	<b>REVISION</b> 36
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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
12. Loss of communications capability  ALL MODES	<ul style="list-style-type: none"> <li>• Station PBX phone system - FAILED</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Station Gai-tronics system - FAILED</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Station UHF radio system - FAILED</li> </ul>	NOTIFICATION OF UNUSUAL EVENT

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB B) REACTOR COOLANT SYSTEM EVENT	36
ATTACHMENT 1		PAGE 8 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>1. Loss of 2 of 3 fission product barriers with potential loss of 3rd barrier</p> <p>ALL MODES</p>	<p>Any two of a), b) or c) exist and the third is imminent:</p> <p>a) Fuel clad integrity failure as indicated by any of the following:</p> <ul style="list-style-type: none"> <li>• RCS specific activity greater than or equal to 300.0 <math>\mu\text{Ci}/\text{gram}</math> dose equivalent I-131</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>5 or more core exit thermocouples greater than 1200 °F</p> <p style="text-align: center;"><u>OR</u></p> <p>Containment High Range Radiation Monitor</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>RM-RMS-165, -166 or RM-RMS-265, -266 GREATER THAN 1.88x10<sup>2</sup> R/hr</p> </div> <p>b) Loss of RCS integrity as indicated by any of the following:</p> <ul style="list-style-type: none"> <li>• RCS pressure greater than 2735 psig</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Loss of Reactor Coolant in progress</p> <p>c) Loss of containment integrity as indicated by any of the following:</p> <ul style="list-style-type: none"> <li>• Containment pressure greater than 60 psia and not decreasing</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Release path to environment -EXISTS</p>	<p>GENERAL EMERGENCY</p>

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
2. Fuel failure with steam generator tube rupture  ALL MODES	<p>Any two of a), b) or c) exist and the third is imminent:</p> <p>a) Fuel clad integrity failure as indicated by any of the following:</p> <ul style="list-style-type: none"> <li>• RCS specific activity greater than 300 <math>\mu\text{Ci}/\text{gram}</math> dose equivalent I-131</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>5 or more core exit thermocouples GREATER THAN 1200 °F</p> <p style="text-align: center;"><u>OR</u></p> <p>High Range Letdown radiation monitor</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;"> <p>1-CH-RI-128 or 2-CH-RI-228 GREATER THAN <math>5.9 \times 10^4</math> mR/hr</p> </div> <p>b) Steam Generator tube rupture as indicated by both of the following:</p> <ul style="list-style-type: none"> <li>• SI coincidence - SATISFIED</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Steam Generator tube rupture - IN PROGRESS</li> </ul> <p>c) Loss of secondary integrity associated with ruptured steam generator pathway as indicated by any of the following:</p> <ul style="list-style-type: none"> <li>• Steam Generator PORV - OPEN</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Main Steam Code Safety Valve - OPEN</p> <p style="text-align: center;"><u>OR</u></p> <p>Loss of secondary coolant outside containment - IN PROGRESS</p>	GENERAL EMERGENCY

<b>NUMBER</b>	<b>ATTACHMENT TITLE</b> EMERGENCY ACTION LEVEL TABLE (TAB B) REACTOR COOLANT SYSTEM EVENT	<b>REVISION</b>
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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
3. RCS leak rate limit - EXCEEDED  MODES 1, 2, 3, & 4	<ul style="list-style-type: none"> <li>Loss of Reactor Coolant in progress and inventory balance indicates leakage GREATER THAN 300 gpm</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>Pressurizer level cannot be maintained with two (2) or more Charging/SI pumps in operation</li> </ul>	SITE AREA EMERGENCY

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
4. Gross primary to secondary leakage with loss of offsite power  MODES 1, 2, 3, & 4	<ul style="list-style-type: none"> <li>• Steam Generator Tube Rupture - IN PROGRESS</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Safety Injection - REQUIRED</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Vent Vent A Kaman Monitor</li> </ul> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">       RM-VG-179 GREATER THAN  <math>1.3 \times 10^8 \mu\text{Ci/sec}</math> </div> <p style="text-align: center;"><u>OR</u></p> <p>HP determines Site Boundary        DDE GREATER THAN 50 mrem/hr</p> <p style="text-align: center;"><u>OR</u></p> <p>Vent Vent A MGPI Monitor</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">       RM-VG-179 GREATER THAN  <math>1.25 \times 10^8 \mu\text{Ci/sec}</math> </div> <p style="text-align: center;"><u>OR</u></p> <p>Steam Generator Blowdown monitor on affected pathway</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">       RM-SS-122, -222        RM-SS-123, -223        RM-SS-124, -224        GREATER THAN <math>1 \times 10^6</math> cpm     </div> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• A subsequent loss of offsite power indicated by zero volts on voltmeters for 4160V buses D, E, &amp; F</li> </ul>	SITE AREA EMERGENCY

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
5. RCS leak rate limit - EXCEEDED  MODES 1, 2, 3, & 4	<ul style="list-style-type: none"> <li>• Pressurizer level cannot be maintained greater than 20% with one (1) Charging/SI pump in operation</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• RCS inventory balance indicates leakage - greater than 50 gpm</li> </ul>	ALERT
6. Gross primary to secondary leakage  MODES 1, 2, 3, & 4	<p>Steam Generator Tube Rupture - IN PROGRESS</p> <p style="text-align: center;"><u>AND</u></p> <p>Safety Injection - REQUIRED</p>	ALERT

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>7. Excessive primary to secondary leakage with loss of offsite power</p> <p>MODES 1, 2, 3, &amp; 4</p>	<ul style="list-style-type: none"> <li>• Intentional reduction in power, load or temperature because the unit has entered an Action Statement or will exceed an LCO</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Vent Vent A Kaman Monitor</li> </ul> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p>RM-VG-179 GREATER THAN 1.83 x 10<sup>6</sup> μCi/sec</p> </div> <p style="text-align: center;"><u>OR</u></p> <p>HP assessment of sample results indicates GREATER THAN 10 times ODCM allowable limit (Alert per EAL E-3)</p> <p style="text-align: center;"><u>OR</u></p> <p>Vent Vent A MGPI Monitor</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p>RM-VG-179 GREATER THAN 1.73 x 10<sup>6</sup> μCi/sec</p> </div> <p style="text-align: center;"><u>OR</u></p> <p>Steam Generator Blowdown monitor on affected pathway</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p>RM-SS-122, -222 RM-SS-123, -223 RM-SS-124, -224 GREATER THAN 1x10<sup>5</sup> cpm</p> </div> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• A subsequent loss of offsite power indicated by zero volts on voltmeters for 4160V buses D, E, &amp; F</li> </ul>	<p>ALERT</p>

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<b>PERFORM ONLY AFTER ITS IMPLEMENTATION</b>		
<u>IF ITS Implemented, THEN:</u>		
8. RCS operational leakage requiring plant shutdown IAW T.S. 3.4.13  MODES 1, 2, 3, & 4	Intentional reduction in power load or temperature IAW T.S. 3.4.13 leakage limit action statement - HAS COMMENCED	NOTIFICATION OF UNUSUAL EVENT
<b>PERFORM ONLY AFTER ITS IMPLEMENTATION</b>		
<b>PERFORM With CURRENT, UNIMPROVED TECH SPECS ONLY</b>		
<u>IF Current, Unimproved Tech Spec, Implemented, THEN:</u>		
8. RCS leak rate or leakage requiring plant shutdown IAW T.S. 3.4.6.2  MODES 1, 2, 3, & 4	<ul style="list-style-type: none"> <li>• Intentional reduction in power, load or temperature because the unit has entered an action statement or will exceed an LCO</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Unidentified RCS leakage - greater than 1 gpm</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p style="text-align: center;">Identified leakage - greater than 10 gpm</p> <p style="text-align: center;"><u>OR</u></p> <p style="text-align: center;">Controlled leakage to RCP Seals - greater than 30 gpm total</p> <p style="text-align: center;"><u>OR</u></p> <p style="text-align: center;">Any pressure boundary leakage - EXISTS</p>	NOTIFICATION OF UNUSUAL EVENT
<b>PERFORM With CURRENT, UNIMPROVED TECH SPECS ONLY</b>		

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CONDITION/APPLICABILITY

INDICATION

CLASSIFICATION

**PERFORM ONLY AFTER ITS IMPLEMENTATION**

IF ITS Implemented, THEN:

- 9. Classify Primary to Secondary leakage - greater than 1 gpm under provisions of Tab B, Condition 8.

**PERFORM ONLY AFTER ITS IMPLEMENTATION**

**PERFORM With CURRENT, UNIMPROVED TECH SPECS ONLY**

IF Current, Unimproved Tech Spec, Implemented, THEN:

- 9. Primary to Secondary leakage - greater than 1 gpm  
MODES 1, 2, 3, & 4

- Intentional reduction in power, load or temperature because the unit has entered an action statement or will exceed an LCO

NOTIFICATION OF UNUSUAL EVENT

AND

- Primary to Secondary leakage greater than 1 gpm

OR

N-16 monitor indicates primary to secondary leakage greater than T. S. allowable limits

**PERFORM With CURRENT, UNIMPROVED TECH SPECS ONLY**

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CONDITION/APPLICABILITY	INDICATION	CLASSIFICATION			
1. Probable large radioactivity release initiated by LOCA with ECCS failure leading to core degradation  ALL MODES	<ul style="list-style-type: none"> <li>Loss of reactor coolant in progress</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>RCS specific activity - greater than 300 <math>\mu\text{Ci}/\text{gram}</math> dose equivalent I-131</li> </ul> <p style="text-align: center;"><u>OR</u></p> Containment High Range Radiation Monitor <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;">             RM-RMS-165, -166 or              RM-RMS-265, -266              GREATER THAN  <math>1.88 \times 10^2</math> R/hr           </div> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>High or low head ECCS flow not being delivered to the core (if expected by plant conditions)</li> </ul>	GENERAL EMERGENCY			
<p>CAUTION: EAL A.1 is duplicated below for cross-reference/comparison to EAL C.2:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; vertical-align: top;">           A.1. Loss of function needed for unit HSD condition             MODES 1, 2, 3 &amp; 4         </td> <td style="width: 35%; vertical-align: top;"> <ul style="list-style-type: none"> <li>Total loss of the Charging/SI System</li> </ul> <p style="text-align: center;"><u>OR</u></p>           Total loss of the Main Feedwater and Auxiliary Feedwater systems         </td> <td style="width: 30%; vertical-align: top;">           SITE AREA            EMERGENCY         </td> </tr> </table>			A.1. Loss of function needed for unit HSD condition  MODES 1, 2, 3 & 4	<ul style="list-style-type: none"> <li>Total loss of the Charging/SI System</li> </ul> <p style="text-align: center;"><u>OR</u></p> Total loss of the Main Feedwater and Auxiliary Feedwater systems	SITE AREA EMERGENCY
A.1. Loss of function needed for unit HSD condition  MODES 1, 2, 3 & 4	<ul style="list-style-type: none"> <li>Total loss of the Charging/SI System</li> </ul> <p style="text-align: center;"><u>OR</u></p> Total loss of the Main Feedwater and Auxiliary Feedwater systems	SITE AREA EMERGENCY			
2. Probable large radioactivity release initiated by loss of heat sink leading to core degradation  MODES 1, 2, 3 & 4	Loss of Main Feedwater System, Condensate System and Auxiliary Feedwater System	GENERAL EMERGENCY			

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>3. Probable large radioactivity release initiated by failure of protection system to bring Rx subcritical and causing core degradation</p> <p>ALL MODES</p>	<ul style="list-style-type: none"> <li>• Rx nuclear power after a trip - greater than 5%</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• RCS pressure greater than or equal to 2485 psig</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Containment pressure and temperature rapidly increasing</p>	<p>GENERAL EMERGENCY</p>
<p>4. Probable large radioactivity release initiated by loss of AC power and all feedwater</p> <p>ALL MODES</p>	<ul style="list-style-type: none"> <li>• Loss of all onsite and offsite AC power</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Turbine Driven Auxiliary Feedwater Pump not operable</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Restoration of either of the above not likely within 2 hours</li> </ul>	<p>GENERAL EMERGENCY</p>

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
5. Probable large radioactivity release initiated by LOCA with loss of ECCS and containment cooling  ALL MODES	<ul style="list-style-type: none"> <li>• Loss of reactor coolant in progress</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• High or low head ECCS flow not being delivered to the core (if expected by plant conditions)</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Containment RS sump temperature greater than 190°F and NOT decreasing</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>All Quench Spray and Recirculation Spray systems - NOT OPERABLE</p>	GENERAL EMERGENCY

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>6. Core damage with possible loss of coolable geometry</p> <p>MODES 1, 2, 3, &amp; 4</p>	<p>a) Fuel clad failure as indicated by any of the following:</p> <ul style="list-style-type: none"> <li>• RCS Specific activity greater than 60 <math>\mu\text{Ci}/\text{gram}</math> dose equivalent I-131</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>High Range Letdown radiation monitor</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p>1-CH-RI-128 or 2-CH-RI-228 GREATER THAN <math>1.2 \times 10^4</math> mR/hr</p> </div> <p style="text-align: center;"><u>AND</u></p> <p>b) Loss of cooling as indicated by any of the following:</p> <ul style="list-style-type: none"> <li>• 5 confirmed core exit thermocouples greater than <math>1200^\circ\text{F}</math></li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Core delta T - zero</p> <p style="text-align: center;"><u>OR</u></p> <p>Core delta T - rapidly diverging</p>	<p>SITE AREA EMERGENCY</p>

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>7. Major fuel damage accident with radioactivity release to containment or fuel buildings</p> <p>ALL MODES</p>	<ul style="list-style-type: none"> <li>Water level in Rx vessel during refueling below the top of core</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Water level in spent fuel pool below top of spent fuel</p> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>Verified damage to irradiated fuel resulting in readings on Vent Vent "B" Kaman monitor</li> </ul> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;"> <p>RM-VG-180 GREATER THAN 2.74 x 10<sup>8</sup> μCi/sec</p> </div> <p style="text-align: center;"><u>OR</u></p> <p>HP determines Site Boundary DDE GREATER THAN 50 mrem/hr</p> <p style="text-align: center;"><u>OR</u></p> <p>Verified damage to irradiated fuel resulting in readings on Vent Vent "B" MGPI monitor</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;"> <p>RM-VG-180 GREATER THAN 2.69 x 10<sup>8</sup> μCi/sec</p> </div>	<p>SITE AREA EMERGENCY</p>
<p>8. Severe Fuel Clad Damage</p> <p>MODES 1, 2, 3, &amp; 4</p>	<ul style="list-style-type: none"> <li>High Range Letdown radiation monitor</li> </ul> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;"> <p>1-CH-RI-128 or 2-CH-RI-228 Increases to GREATER THAN Hi Hi Alarm setpoint within 30 minutes and remains for at least 15 minutes</p> </div>	<p>ALERT</p>

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
9. Fuel damage accident with release of radioactivity to containment or fuel buildings  ALL MODES	<ul style="list-style-type: none"> <li>• Verified accident involving damage to irradiated fuel</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Health Physics confirms fission product release from fuel</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Vent Vent "B" Kaman monitor</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">             RM-VG-180 GREATER THAN  <math>1.83 \times 10^6 \mu\text{Ci/sec}</math> </div> <p style="text-align: center;"><u>OR</u></p> <p>HP assessment of sample results indicates GREATER THAN 10 times ODCM allowable limit (Alert per EAL E-3)</p> <p style="text-align: center;"><u>OR</u></p> <p>Vent Vent "B" MGPI monitor</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">             RM-VG-180 GREATER THAN  <math>1.99 \times 10^6 \mu\text{Ci/sec}</math> </div>	ALERT
10. Potential for fuel damage to occur during refueling  MODE 6	Continuing uncontrolled decrease of water level in Reactor Refueling Cavity or Spent Fuel Pool	ALERT

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
11. Fuel clad damage indication MODES 1, 2, 3, & 4	<ul style="list-style-type: none"> <li>Intentional reduction in power, load or temperature IAW reactor coolant activity T.S. Action Statement - HAS COMMENCED</li> </ul> <p style="text-align: center;"><u>OR</u></p> High Range Letdown radiation monitor <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: fit-content;">             1-CH-RI-128 or              2-CH-RI-228              Increases to GREATER THAN Hi Alarm setpoint within 30 minutes and remains for at least 15 minutes           </div>	NOTIFICATION OF UNUSUAL EVENT
12. Independent Spent Fuel Storage Installation (ISFSI) event ALL MODES	<ul style="list-style-type: none"> <li>Verified Sealed Surface Storage Cask (SSSC) seal leakage</li> </ul> <p style="text-align: center;"><u>OR</u></p> Sealed Surface Storage Cask (SSSC) dropped or mishandled	NOTIFICATION OF UNUSUAL EVENT

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>1. Extremely high containment radiation, pressure and temperature</p> <p>MODES 1, 2, 3, &amp; 4</p>	<ul style="list-style-type: none"> <li>• Containment High Range radiation monitor</li> </ul> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;">           RM-RMS-165, -166 or            RM-RMS-265, -266            GREATER THAN  <math>3.76 \times 10^2</math> R/hr         </div> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Containment pressure greater than 45 psia and not decreasing</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Containment temperature greater than 280°F</p>	<p>GENERAL EMERGENCY</p>
<p>2. High-high containment radiation, pressure, and temperature</p> <p>MODES 1, 2, 3, &amp; 4</p>	<ul style="list-style-type: none"> <li>• Containment High Range radiation monitor</li> </ul> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;">           RM-RMS-165, -166 or            RM-RMS-265, -266            GREATER THAN  <math>1.88 \times 10^2</math> R/hr         </div> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Containment pressure - greater than 27.75 psia and not decreasing</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Containment temperature - greater than 200 °F</p>	<p>SITE AREA EMERGENCY</p>

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
3. High Containment radiation, pressure and temperature  MODES 1, 2, 3, & 4	<ul style="list-style-type: none"> <li>• Containment High Range radiation monitor               <div style="border: 1px solid black; padding: 5px; margin: 5px 0;">                 RM-RMS-165, -166 or                  RM-RMS-265, -266                  GREATER THAN                  81.5 R/hr               </div> </li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Containment pressure - greater than 17 psia</li> </ul> <p style="text-align: center;"><u>OR</u></p> <ul style="list-style-type: none"> <li>• Containment temperature - greater than 150°F</li> </ul>	ALERT

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>1. Release imminent or in progress and site boundary doses projected to exceed 1.0 Rem TEDE or 5.0 Rem Thyroid CDE</p> <p>ALL MODES</p>	<ul style="list-style-type: none"> <li>HP assessment indicates actual or projected doses at or beyond site boundary greater than 1.0 Rem TEDE or 5.0 Rem Thyroid CDE</li> </ul>	<p>GENERAL EMERGENCY</p>
<p>2. Release imminent or in progress and site boundary doses projected to exceed 0.1 Rem TEDE or 0.5 Rem Thyroid CDE</p> <p>ALL MODES</p>	<ul style="list-style-type: none"> <li>HP assessment indicates actual or projected dose at or beyond Site Boundary exceeds 0.1 Rem TEDE or 0.5 Rem Thyroid CDE</li> </ul>	<p>SITE AREA EMERGENCY</p>

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB E) RADIOACTIVITY EVENT	36
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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>3. Effluent release greater than 10 times ODCM allowable limit</p> <p>ALL MODES</p>	<p>a) Any of the following monitors indicate valid readings above the specified values for greater than 15 minutes</p> <ul style="list-style-type: none"> <li>• Clarifier Effluent <ul style="list-style-type: none"> <li>RM-LW-111 GREATER THAN <math>4.8 \times 10^5</math> cpm</li> </ul> </li> <li>• Discharge Canal <ul style="list-style-type: none"> <li>RM-SW-130 or -230 GREATER THAN <math>5 \times 10^4</math> cpm</li> </ul> </li> <li>• Vent Vent A Kaman <ul style="list-style-type: none"> <li>RM-VG-179 GREATER THAN <math>1.83 \times 10^6</math> <math>\mu</math>Ci/sec</li> </ul> </li> <li>• Vent Vent A MGPI <ul style="list-style-type: none"> <li>RM-VG-179 GREATER THAN <math>1.73 \times 10^6</math> <math>\mu</math>Ci/sec</li> </ul> </li> <li>• Vent Vent B Kaman <ul style="list-style-type: none"> <li>RM-VG-180 GREATER THAN <math>1.83 \times 10^6</math> <math>\mu</math>Ci/sec</li> </ul> </li> <li>• Vent Vent B MGPI <ul style="list-style-type: none"> <li>RM-VG-180 GREATER THAN <math>1.99 \times 10^6</math> <math>\mu</math>Ci/sec</li> </ul> </li> <li>• Process Vent Kaman <ul style="list-style-type: none"> <li>RM-GW-178 GREATER THAN <math>2.0 \times 10^7</math> <math>\mu</math>Ci/sec</li> </ul> </li> <li>• Process Vent MGPI <ul style="list-style-type: none"> <li>RM-GW-178 GREATER THAN <math>1.35 \times 10^7</math> <math>\mu</math>Ci/sec</li> </ul> </li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>b) HP assessment (sample results or dose projections) indicate greater than 10 times ODCM allowable limit</p>	ALERT

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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>4. High radiation or airborne contamination levels indicate a severe degradation in control of radioactive material</p> <p>ALL MODES</p>	<p>Valid readings on any of the following monitors have increased by a factor of 1000 and remain for at least 15 minutes:</p> <ul style="list-style-type: none"> <li>• Ventilation Vent Multi-sample gaseous or particulate monitor  <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: 20px;">RM-VG-106 or -105</div> </li> <li>• Control Room Area  <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: 20px;">RMS-157</div> </li> <li>• Aux. Bldg. Control Area  <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: 20px;">RMS-154</div> </li> <li>• Decon. Bldg. Area  <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: 20px;">RMS-151</div> </li> <li>• Fuel Pool Bridge Area  <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: 20px;">RMS-153</div> </li> <li>• New fuel storage Area  <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: 20px;">RMS-152</div> </li> <li>• Laboratory Area  <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: 20px;">RMS-158</div> </li> <li>• Sample Room Area  <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: 20px;">RMS-156</div> </li> </ul>	ALERT

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB E) RADIOACTIVITY EVENT	36
ATTACHMENT 1		PAGE 28 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
5. Effluent release greater than ODCM allowable limit  ALL MODES	a) Any of the following monitors indicate valid readings above the specified value for more than 1 hour: <ul style="list-style-type: none"> <li>• Clarifier Effluent  <div style="border: 1px solid black; padding: 2px; margin-left: 20px;">RM-LW-111 GREATER THAN <math>4.8 \times 10^4</math> cpm</div> </li> <li>• Discharge Canal  <div style="border: 1px solid black; padding: 2px; margin-left: 20px;">RM-SW-130 or -230 GREATER THAN <math>5 \times 10^3</math> cpm</div> </li> <li>• Vent Vent A Kaman  <div style="border: 1px solid black; padding: 2px; margin-left: 20px;">RM-VG-179 GREATER THAN <math>1.83 \times 10^5</math> <math>\mu</math>Ci/sec</div> </li> <li>• Vent Vent A MGPI  <div style="border: 1px solid black; padding: 2px; margin-left: 20px;">RM-VG-179 GREATER THAN <math>1.73 \times 10^5</math> <math>\mu</math>Ci/sec</div> </li> <li>• Vent Vent B Kaman  <div style="border: 1px solid black; padding: 2px; margin-left: 20px;">RM-VG-180 GREATER THAN <math>1.83 \times 10^5</math> <math>\mu</math>Ci/sec</div> </li> <li>• Vent Vent B MGPI  <div style="border: 1px solid black; padding: 2px; margin-left: 20px;">RM-VG-180 GREATER THAN <math>1.99 \times 10^5</math> <math>\mu</math>Ci/sec</div> </li> <li>• Process Vent Kaman  <div style="border: 1px solid black; padding: 2px; margin-left: 20px;">RM-GW-178 GREATER THAN <math>2.0 \times 10^6</math> <math>\mu</math>Ci/sec</div> </li> <li>• Process Vent MGPI  <div style="border: 1px solid black; padding: 2px; margin-left: 20px;">RM-GW-178 GREATER THAN <math>1.35 \times 10^6</math> <math>\mu</math>Ci/sec</div> </li> </ul> <p style="text-align: center;"><u>OR</u></p> b) HP assessment (sample results or dose projections) indicates greater than ODCM allowable limit	NOTIFICATION OF UNUSUAL EVENT

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE	36
ATTACHMENT	(TAB G)	PAGE
1	LOSS OF SECONDARY COOLANT	29 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Major secondary line break with significant primary to secondary leakage and fuel damage indicated  MODES 1, 2, 3, & 4	Conditions a) and b) exist with c): a) Uncontrolled loss of secondary coolant - IN PROGRESS  <u>AND</u> b) RCS specific activity exceeds limits of T.S. Figure 3.4-1 (ITS Figure 3.4.16-1)  <u>OR</u> High Range Letdown radiation monitor <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">1-CH-RI-128 or 2-CH-RI-228 GREATER THAN Hi Alarm setpoint</div> <u>AND</u> c) Vent Vent A Kaman Monitor <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">RM-VG-179 GREATER THAN <math>6.45 \times 10^7</math> <math>\mu\text{Ci}/\text{sec}</math></div> <u>OR</u> HP determines Site Boundary DDE GREATER THAN 50 mrem/hr  <u>OR</u> Vent Vent A MGPI Monitor <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">RM-VG-179 GREATER THAN <math>6.21 \times 10^7</math> <math>\mu\text{Ci}/\text{sec}</math></div> <u>OR</u> Affected pathway Steam Generator Blowdown monitor <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">RM-SS-122, -123, -124, -222, -223, -224 GREATER THAN <math>1 \times 10^6</math> cpm</div> <u>OR</u> Affected pathway Main Steam Line High Range monitor <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">RM-MS-170, -171, -172, -270, -271, -272 GREATER THAN 12.2 mR/hr</div>	SITE AREA EMERGENCY

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB G) LOSS OF SECONDARY COOLANT	36
ATTACHMENT 1		PAGE 30 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>2. Major secondary line break with significant primary to secondary leakage</p> <p>MODES 1, 2, 3, &amp; 4</p>	<ul style="list-style-type: none"> <li>• Uncontrolled loss of secondary coolant - IN PROGRESS</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Vent Vent A Kaman Monitor</li> </ul> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> RM-VG-179 GREATER THAN  <math>1.83 \times 10^6 \mu\text{Ci/sec}</math> </div> <p style="text-align: center;"><u>OR</u></p> <p>HP assessment of sample results indicates GREATER THAN 10 times ODCM allowable limit (Alert per EAL E-3)</p> <p style="text-align: center;"><u>OR</u></p> <p>Vent Vent A MGPI Monitor</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> RM-VG-179 GREATER THAN  <math>1.76 \times 10^6 \mu\text{Ci/sec}</math> </div> <p style="text-align: center;"><u>OR</u></p> <p>Steam Generator Blowdown monitor on affected pathway</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> RM-SS-122, -123, -124  RM-SS-222, -223, -224  GREATER THAN <math>1 \times 10^5</math> cpm </div> <p style="text-align: center;"><u>OR</u></p> <p>Main Steam Line High Range monitor on affected pathway</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> RM-MS-170, -171, -172  RM-MS-270, -271, -272  GREATER THAN 0.14 mR/hr </div>	<p>ALERT</p>
<p>3. Major secondary line break</p> <p>MODES 1, 2, 3, &amp; 4</p>	<p>Uncontrolled loss of secondary coolant - IN PROGRESS</p>	<p>NOTIFICATION OF UNUSUAL EVENT</p>

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB H)	36
ATTACHMENT	ELECTRICAL FAILURE	PAGE
1		31 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>1. Loss of offsite and onsite AC power for more than 15 minutes</p> <p>ALL MODES</p>	<p>The following conditions exist for greater than 15 minutes:</p> <ul style="list-style-type: none"> <li>• Ammeters for 4160V Reserve Station Service Buses D, E, &amp; F all indicate - zero (0) amps</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Ammeters for 4160V Station Service Buses A, B, &amp; C all indicate - zero (0) amps</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Ammeters for 4160V Emergency Buses H &amp; J both indicate - zero (0) amps</li> </ul>	<p>SITE AREA EMERGENCY</p>
<p>2. Loss of all onsite DC power for greater than 15 minutes</p> <p>ALL MODES</p>	<p>The following conditions exist for greater than 15 minutes:</p> <ul style="list-style-type: none"> <li>• All station battery voltmeters indicate zero (0) volts</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• No light indication available to Reserve Station Service breakers 15D1, 15E1 and 15F1</li> </ul>	<p>SITE AREA EMERGENCY</p>

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB H) ELECTRICAL FAILURE	36
ATTACHMENT 1		PAGE 32 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>CAUTION: EAL A.1 is duplicated below for cross-reference/comparison to EAL H.3:</p>		
<p>A.1. Loss of function needed for unit HSD condition</p> <p>MODES 1, 2, 3 &amp; 4</p>	<ul style="list-style-type: none"> <li>Total loss of the Charging/SI System</li> </ul> <p><u>OR</u></p> <ul style="list-style-type: none"> <li>Total loss of the Main Feedwater and Auxiliary Feedwater Systems</li> </ul>	<p>SITE AREA EMERGENCY</p>
<p>3. Loss of all offsite and onsite AC power</p> <p>ALL MODES</p>	<ul style="list-style-type: none"> <li>Ammeters for 4160V Reserve Station Service Buses D, E, &amp; F all indicate - zero (0) amps</li> </ul> <p><u>AND</u></p> <ul style="list-style-type: none"> <li>Ammeters for 4160V Station Service Buses A, B, &amp; C all indicate - zero (0) amps</li> </ul> <p><u>AND</u></p> <ul style="list-style-type: none"> <li>Ammeters for 4160V Emergency Buses H and J both indicate - zero (0) amps</li> </ul>	<p>ALERT</p>
<p>4. Loss of all onsite DC power</p> <p>ALL MODES</p>	<ul style="list-style-type: none"> <li>All station battery voltmeters indicate - zero (0) volts</li> </ul> <p><u>AND</u></p> <ul style="list-style-type: none"> <li>No light indication available to Reserve Station Service Breakers 15D1, 15E1 and 15F1</li> </ul>	<p>ALERT</p>

<b>NUMBER</b> EPIP-1.01	<b>ATTACHMENT TITLE</b> EMERGENCY ACTION LEVEL TABLE (TAB H) ELECTRICAL FAILURE	<b>REVISION</b> 36
<b>ATTACHMENT</b> 1		<b>PAGE</b> 33 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
5. Loss of offsite power or onsite AC power capability  ALL MODES	<ul style="list-style-type: none"> <li>• Unit main generator and both emergency diesel generators out of service</li> </ul> <p style="text-align: center;"><u>OR</u></p> Loss of all 34.5 KV reserve station service buses	NOTIFICATION OF UNUSUAL EVENT

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB I)	36
ATTACHMENT	FIRE	PAGE
1		34 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Fire resulting in degradation of safety systems  MODES 1, 2, 3, & 4	<ul style="list-style-type: none"> <li>• Fire which causes major degradation of a safety system function required for protection of the public</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Affected systems are caused to be <u>NOT</u> operable as defined by Tech. Specs.</li> </ul>	SITE AREA EMERGENCY
2. Fire potentially affecting station safety systems  MODES 1, 2, 3, & 4	Fire which has potential for causing a safety system not to be operable as defined by Tech. Specs.	ALERT
3. Fire lasting greater than 10 minutes in Protected Area or Service Water Pump/Valve House  ALL MODES	Fire within the Protected Area or Service Water Pump/Valve House which is not under control within 10 minutes after Fire Brigade - DISPATCHED	NOTIFICATION OF UNUSUAL EVENT

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB J) SECURITY EVENT	36
ATTACHMENT 1		PAGE 35 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Loss of physical Station control  ALL MODES	<ul style="list-style-type: none"> <li>Shift Supervisor has been informed that the security force has been neutralized by attack, resulting in loss of physical control of station</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Shift Supervisor has been informed of intrusion into one or more Vital Areas which are occupied or controlled by an aggressor</p>	GENERAL EMERGENCY
2. Imminent loss of physical Station control  ALL MODES	Security Shift Supervisor has notified the Operations Shift Supervisor of imminent intrusion into a Vital Area	SITE AREA EMERGENCY
3. Ongoing Security compromise  ALL MODES	Security Shift Supervisor has notified the Operations Shift Supervisor of a confirmed unneutralized intrusion into the Protected Area or ISFSI	ALERT
4. Security threat, unauthorized attempted entry, or attempted sabotage  ALL MODES	<p>Any of the following when determined to have potential for degrading the level of safety of the plant or ISFSI</p> <ul style="list-style-type: none"> <li>Receipt of a credible site-specific threat from Security, NRC or FBI</li> <li>Confirmed hostage situation</li> <li>Civil disturbance</li> <li>Discovery of a bomb device (other-than on or near a safety-related system which represents an on-going security compromise)</li> <li>Confirmed attempted intrusion (Protected Area or ISFSI)</li> <li>Attempted sabotage</li> </ul>	NOTIFICATION OF UNUSUAL EVENT

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB K) HAZARD TO STATION OPERATION	36
ATTACHMENT 1		PAGE 36 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Aircraft damage to vital plant systems  MODES 1, 2, 3, & 4	Aircraft crash which affects vital structures by impact or fire	SITE AREA EMERGENCY
2. Severe explosive damage  MODES 1, 2, 3, & 4	Explosion which results in severe degradation of any of the following systems required for safe shutdown: <ul style="list-style-type: none"> <li>• CVCS System</li> <li style="text-align: center;"><u>OR</u></li> <li>ECCS System</li> <li style="text-align: center;"><u>OR</u></li> <li>Main/Auxiliary Feedwater System</li> </ul>	SITE AREA EMERGENCY
3. Entry of toxic or flammable gases into plant vital areas other than the Control Room  MODES 1, 2, 3, & 4	<ul style="list-style-type: none"> <li>• Uncontrolled release of toxic or flammable agents greater than life threatening or explosive limits in Vital Areas</li> <li style="text-align: center;"><u>AND</u></li> <li>• Evacuation of Vital Area other than Control Room - REQUIRED</li> <li style="text-align: center;"><u>OR</u></li> <li>Significant degradation of plant safety systems resulting in loss of a safety system function required for protection of the public</li> </ul>	SITE AREA EMERGENCY

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB K) HAZARD TO STATION OPERATION	36
ATTACHMENT 1		PAGE 37 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
4. Severe missile damage to safety systems  MODES 1, 2, 3, & 4	Missile impact causing severe degradation of safety systems required for unit shutdown	SITE AREA EMERGENCY
5. Aircraft crash on the facility  ALL MODES	Aircraft crash within the Protected Area or Switchyard	ALERT
6. Explosion damage to facility  ALL MODES	Unplanned explosion resulting in damage to plant structure or equipment that affects plant operations	ALERT
7. Entry of toxic or flammable gases or liquids into plant facility  ALL MODES	Notification of uncontrolled release of toxic or flammable agent which causes:  • Evacuation of personnel from plant areas  <u>AND</u>  • Safety related equipment is rendered inoperable	ALERT
8. Turbine failure or missile impact  MODES 1 & 2	Failure of turbine/generator rotating equipment resulting in casing penetration	ALERT

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB K) HAZARD TO STATION OPERATION	36
ATTACHMENT 1		PAGE 38 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
9. Missile damage to safety related equipment or structures  MODES 1, 2, 3, & 4	Notification of missile impact causing damage to safety related equipment or structures	ALERT
10. Aircraft crash or unusual aircraft activity  ALL MODES	<ul style="list-style-type: none"> <li>• Confirmed notification of aircraft crash within the site boundary</li> </ul> <p style="text-align: center;"><u>OR</u></p> Unusual aircraft activity in the vicinity of the site as determined by the Operations Shift Supervisor or the Security Shift Supervisor	NOTIFICATION OF UNUSUAL EVENT
11. Train derailment within Protected Area  ALL MODES	Confirmed report of train derailment within Protected Area	NOTIFICATION OF UNUSUAL EVENT
12. Explosion within Protected Area  ALL MODES	Confirmed report of unplanned explosion within Protected Area	NOTIFICATION OF UNUSUAL EVENT
13. Onsite or nearsite release of toxic or flammable liquids or gases  ALL MODES	Notification of unplanned release of toxic or flammable agents which may affect safety of station personnel or equipment	NOTIFICATION OF UNUSUAL EVENT

<b>NUMBER</b> EPIP-1.01	<b>ATTACHMENT TITLE</b> EMERGENCY ACTION LEVEL TABLE (TAB K) HAZARD TO STATION OPERATION	<b>REVISION</b> 36
<b>ATTACHMENT</b> 1		<b>PAGE</b> 39 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
14. Turbine rotating component failure with no casing penetration  MODES 1 & 2	Failure of turbine/generator rotating equipment resulting in immediate unit shutdown	NOTIFICATION OF UNUSUAL EVENT

<b>NUMBER</b>	<b>ATTACHMENT TITLE</b> EMERGENCY ACTION LEVEL TABLE (TAB L) NATURAL EVENTS	<b>REVISION</b>
EGIP-1.01		36
<b>ATTACHMENT</b>		<b>PAGE</b>
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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Earthquake greater than or equal to DBE levels  MODES 1, 2, 3, & 4	<ul style="list-style-type: none"> <li>Confirmed earthquake which activates the Event Indicator on the Strong Motion Accelerograph</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>Alarms on the Peak Shock Annunciator indicate a horizontal motion of greater than or equal to 0.12 g or a vertical motion of greater than or equal to 0.08g</li> </ul>	SITE AREA EMERGENCY
2. Sustained winds in excess of design levels experienced or projected  MODES 1, 2, 3, & 4	Sustained winds 150 mph OR GREATER experienced or projected	SITE AREA EMERGENCY

<b>NUMBER</b>	<b>ATTACHMENT TITLE</b> EMERGENCY ACTION LEVEL TABLE (TAB L) NATURAL EVENTS	<b>REVISION</b>
EPIP-1.01		36
<b>ATTACHMENT</b>		<b>PAGE</b>
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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<b>PERFORM ONLY AFTER ITS IMPLEMENTATION</b>		
<b>IF ITS Implemented, THEN:</b>		
3. Flood or low water level above design levels MODES 1, 2, 3, & 4	Either condition a) or b) exists a) Flood in the Lake Anna Reservoir with indicated level - greater than 264 feet MSL  <u>OR</u> b) Low water level in the Lake Anna Reservoir with indicated level - less than 244 feet MSL  <u>AND</u> Inability to satisfy action requirements of TR 3.7.4 for North Anna Reservoir	SITE AREA EMERGENCY
<b>PERFORM ONLY AFTER ITS IMPLEMENTATION</b>		
<b>PERFORM With CURRENT, UNIMPROVED TECH SPECS ONLY</b>		
<b>IF Current, Unimproved Tech Spec, Implemented, THEN:</b>		
3. Flood or low water level above design levels MODES 1, 2, 3, & 4	Either condition a) or b) exists a) Flood in the Lake Anna Reservoir with indicated level - greater than 264 feet MSL  <u>OR</u> b) Low water level in the Lake Anna Reservoir with indicated level - less than 244 feet MSL  <u>AND</u> Inability to satisfy action requirements of T.S. 3.7.5.1 for Ultimate Heat Sink	SITE AREA EMERGENCY
<b>PERFORM With CURRENT, UNIMPROVED TECH SPECS ONLY</b>		

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB L) NATURAL EVENTS	36
ATTACHMENT 1		PAGE 42 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
4. Earthquake greater than or equal to OBE levels  ALL MODES	<ul style="list-style-type: none"> <li>• Confirmed earthquake which activates Event Indicator on the Strong Motion Accelerograph</li> </ul> <p style="text-align: center;"><u>AND</u></p> <ul style="list-style-type: none"> <li>• Alarms on the Peak Shock Annunciator indicate a horizontal motion of greater than or equal to 0.06 g or a vertical motion of greater than or equal to 0.04g</li> </ul>	ALERT
5. Tornado striking facility  ALL MODES	Tornado visually detected striking structures within the Protected Area or Switchyard	ALERT
6. Hurricane winds near design basis level experienced or projected  ALL MODES	Hurricane winds 120 mph OR GREATER experienced or projected	ALERT
7. Flood or low water level near design levels  ALL MODES	<ul style="list-style-type: none"> <li>• Flood in the Lake Anna Reservoir with indicated level - greater than 263 feet MSL</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Low water level in the Lake Anna Reservoir with indicated level - less than 244 feet MSL</p>	ALERT

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	EMERGENCY ACTION LEVEL TABLE (TAB L) NATURAL EVENTS	36
ATTACHMENT 1		PAGE 43 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
8. Earthquake detected ALL MODES	Confirmed earthquake which activates the Event Indicator on the Strong Motion Accelerograph	NOTIFICATION OF UNUSUAL EVENT
9. Tornado within Protected Area or Switchyard ALL MODES	Tornado visually detected within Protected Area or Switchyard	NOTIFICATION OF UNUSUAL EVENT
10. Hurricane force winds projected onsite within 12 hours ALL MODES	<ul style="list-style-type: none"> <li>Confirmation by Weather Center that hurricane force winds (greater than 73 mph) projected onsite within 12 hours</li> </ul>	NOTIFICATION OF UNUSUAL EVENT
11. 50 year flood or low water level ALL MODES	<ul style="list-style-type: none"> <li>Flood in the Lake Anna Reservoir with indicated level - greater than 254 feet MSL</li> </ul> <p style="text-align: center;"><u>OR</u></p> <ul style="list-style-type: none"> <li>Low water level in the Lake Anna Reservoir with indicated level less than 246 feet MSL</li> </ul>	NOTIFICATION OF UNUSUAL EVENT

<b>NUMBER</b>	<b>ATTACHMENT TITLE</b> EMERGENCY ACTION LEVEL TABLE (TAB M) MISCELLANEOUS ABNORMAL EVENTS	<b>REVISION</b>
EPIP-1.01		36
<b>ATTACHMENT</b>		<b>PAGE</b>
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<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Any major internal or external events which singly or in combination cause massive damage to station facilities or may warrant evacuation of the public  ALL MODES	Shift Supervisor/Station Emergency Manager judgement	GENERAL EMERGENCY
2. Station conditions which may warrant notification of the public near the site  ALL MODES	Shift Supervisor/Station Emergency Manager judgement	SITE AREA EMERGENCY
3. Station conditions which have the potential to degrade or are actually degrading the level of safety of the station  ALL MODES	Shift Supervisor/Station Emergency Manager judgement	ALERT

<b>NUMBER</b> EPIP-1.01	<b>ATTACHMENT TITLE</b> EMERGENCY ACTION LEVEL TABLE (TAB M)	<b>REVISION</b> 36
<b>ATTACHMENT</b> 1	MISCELLANEOUS ABNORMAL EVENTS	<b>PAGE</b> 45 of 45

<u>CONDITION/APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
<p>4. Station conditions which warrant increased awareness of state and/or local authorities</p> <p>ALL MODES</p>	<p>Shift Supervisor judgement that any of the following exist:</p> <ul style="list-style-type: none"> <li>• Unit shutdown is other than a controlled shutdown</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p>Unit is in an uncontrolled condition during operation</p> <p style="text-align: center;"><u>OR</u></p> <p>A condition exists which has the potential for escalation and therefore warrants notification</p>	<p>NOTIFICATION OF UNUSUAL EVENT</p>

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01	TURNOVER CHECKLIST	36
ATTACHMENT 2		PAGE 1 of 1

Conduct a turnover between the onshift and relief SEM in accordance with the following checklist. Use placekeeping aid at left of item, "\_\_\_", to track completion.

- \_\_\_ 1. Determine the status of primary responder notification.
- \_\_\_ 2. Determine the status of "Report of Emergency to State and Local Governments," EPIP-2.01, Attachment 2. Get completed copies if available.
- \_\_\_ 3. Determine status of the "Report of Radiological Conditions to the State," EPIP-2.01, Attachment 3. Get completed copy if available.
- \_\_\_ 4. Determine status of Emergency Notification System (ENS) communications and completion status of NRC Event Notification Worksheet (EPIP-2.02 Attachment 1).
- \_\_\_ 5. Review classification and initial PAR status.
- \_\_\_ 6. Review present plant conditions and status. Get copy of Critical Safety Functions form.
- \_\_\_ 7. Review status of station firewatches and re-establish if conditions allow.
- \_\_\_ 8. Determine readiness of TSC for activation.
- \_\_\_ 9. After all information is obtained, transfer location to TSC. (Consider direct transfer of State & local notifications to LEOF/CEOF.)
- \_\_\_ 10. Call the Control Room and assess any changes that may have occurred during transition to the TSC.
- \_\_\_ 11. When sufficient personnel are available, the relief SEM is to assume the following responsibilities from the onshift Station Emergency Manager:
  - a. Reclassification.
  - b. Protective Action Recommendations until LEOF activated.
  - c. Notifications (i.e., state, local, & NRC). Upon LEOF activation, transfer notification responsibilities except for the NRC ENS.
  - d. Site evacuation authorization.
  - e. Emergency exposure authorization.
  - f. Command/control of onsite response.
- \_\_\_ 12. Formally relieve the Interim SEM and assume control in the TSC. Announce name and facility activation status to facility.

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This attachment provides procedural guidance for controlling selected emergency response actions when their implementation would have adverse results.

Station Emergency Manager (SEM) approval is required before any required action is postponed, suspended or modified. The guidance below is not all-inclusive.

UNANTICIPATED HAZARD EXISTS (e.g., security event, tornado or toxic release):

IF implementation of emergency response actions could compromise Security Plan response strategies, THEN consider postponing or suspending emergency response actions until threat has been resolved, e.g., on-site announcement directing assembly and emergency response facility activation, pager activation and call-out per EPIP-3.05, AUGMENTATION OF EMERGENCY RESPONSE ORGANIZATION, dispatch of Security Team members to the LEOF per EPIP-3.04, ACTIVATION OF LOCAL EMERGENCY OPERATIONS FACILITY, and staging of road blocks per EPIP-5.04, ACCESS CONTROL.

IF assembling on-site personnel for accountability or activation of emergency response facilities could endanger plant personnel, THEN consider postponing emergency assembly until hazardous conditions are resolved. (Consider having Corporate Security notify corporate emergency response organization only using CPIP-3.4, INNSBROOK SECURITY SUPPORT, and notifying personnel in unaffected areas on-site selectively.)

IF notifying augmentation could create a safety hazard for personnel coming to the station, THEN consider postponing augmentation notification. (Consider having Corporate Security notify corporate emergency response organization only using CPIP-3.4, INNSBROOK SECURITY SUPPORT, or deferring notifications until hazardous conditions are resolved.)

ANTICIPATED SITUATION (e.g., forecasted severe weather or grid disturbance):

IF all or part of the ERO has been staged in anticipation of a predicted event, THEN notify Security to omit performance of augmentation notification (as described in EPIP-3.05, AUGMENTATION OF EMERGENCY RESPONSE ORGANIZATION).

IF adequate controls have been established to continually account for personnel staged in anticipation of a predicted event, THEN notify Security to omit performance of initial accountability (as described in EPIP-5.03, PERSONNEL ACCOUNTABILITY).

IF a decision has been made to staff the Central EOF in lieu of the LEOF, THEN notify Security that performance of EPIP-3.04, ACTIVATION OF LOCAL EMERGENCY OPERATIONS FACILITY, is not required.

IF environmental conditions are hazardous, THEN consult with Security Team Leader about suspending procedural requirements for staging road blocks (IAW EPIP-5.04, ACCESS CONTROL).