

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.01	EMERGENCY MANAGER CONTROLLING PROCEDURE (With 1 Attachment)	08
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PURPOSE

To initially assess a potential emergency condition and initiate corrective actions.

USER

Shift Supervisor or Station Emergency Manager

ENTRY CONDITIONS

Any one of the following :

1. Another station procedure directs initiation of this procedure

OR

2. A potential emergency condition is reported to the Shift Supervisor.

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REVISION RECORD

REV. 03	PAGE(S): 1 of 8, 4 of 8, and 5 of 8	DATE: 02-24-83
REV. 04	PAGE(S): 1 of 8 and Att. 1 Page 19 and 20 of 39	DATE: 03-03-83
REV. 05	PAGE(S): 1 of 8, Att. 1 page 4, 22, and 23 of 39	DATE: 03-10-83
REV. 06	PAGE(S): 1 of 8 and 4 of 8	DATE: 03-11-83
REV. 07	PAGE(S): 1 of 8, Att. 1 page 13 of 39	DATE: 03-17-83
REV. 08	PAGE(S): 1, 5, 6 & 8; Att. 1, pgs. 2 through 13, 15, 17, 18, 20, and 23 through 38	DATE: NOV 10 1983

APPROVAL/RECOMMENDED

[Signature]

QC REVIEW

[Signature]

APPROVED

[Signature]

CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

DATE

NOV 10 1983

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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
1.	<p>INITIATE PROCEDURE:</p> <p>a) BY: _____</p> <p>DATE: _____</p> <p>TIME: _____</p> <p><u>NOTE:</u> Continue through this and all further instructions unless otherwise directed to hold.</p>	
2.	<p>IDENTIFY EVENT:</p> <p>a) Event-TRANSPORT OF CONTAMINATED INJURED PERSONNEL</p> <p>1) Initiate EPIP-5.01 <u>Transport of Contaminated Injured Personnel</u></p> <p>2) Verify initiation of <u>EPIP-4.20, H.P. Actions for Transport of Injured Contaminated Personnel</u></p> <p>3) Continue this instruction</p> <p>b) Event-RADIATION RELEASE</p> <p>1) Request Health Physics initiate EPIP-4.01, <u>Radiological Assessment Director Controlling Procedure</u>, and continue this instruction</p> <p>c) Event-FUEL HANDLING INCIDENT</p>	
		<p>a) <u>GO TO</u> Step <u>2b</u> of this instruction.</p> <p>b) <u>GO TO</u> Step <u>2c</u> of this instruction.</p> <p>c) <u>GO TO</u> Step <u>2d</u> of this instruction.</p>

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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
2.	(CONTINUED)	
	1) Request Health Physics initiate EPIP-4.01, <u>Radiological Assessment Director Controlling Procedure</u> , and continue this instruction	
d)	Event-SECONDARY RELEASE	d) <u>GO TO</u> Step <u>2e</u> of this instruction.
	1) Request Health Physics initiate EPIP-4.01, <u>Radiological Assessment Director Controlling Procedure</u> , and continue this instruction	
e)	Event-S/G TUBE RUPTURE	e) <u>GO TO</u> Step <u>2f</u> of this instruction.
	1) Request Health Physics initiate EPIP-4.01, <u>Radiological Assessment Director Controlling Procedure</u> , and continue this instruction	
f)	Event-LOCA	f) <u>GO TO</u> Step <u>3</u> of this instruction.
	1) Request Health Physics initiate EPIP-4.01, <u>Radiological Assessment Director Controlling Procedure</u> , and continue this instruction.	

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STEP

ACTION/EXPECTED RESPONSE

RESPONSE NOT OBTAINED

CAUTION: Declaration of the highest emergency class for which
an EAL is exceeded shall be made.

3. ASSESSMENT AND CLASSIFICATION:

- a) Refer to EPIP 1.01, Attachment
1 Emergency Action Levels,
Index
- 1) Using index, determine event
category AND GO TO proper
EAL tab
- AND
- 2) Evaluate event, deter-
mine classification, AND
GO TO Step 4 of this
procedure

4. NOTIFICATION AND VERIFICATION:

- a) TSC - NOT ACTIVATED
- a) IF TSC activated, GO TO
Step 6.
- b) Notify Operations
Personnel
- 1) Superintendent of
Operations
- D. A. Christian
(9-357-3458)
- Attempt contact via beeper
83 or 9-1-(629-8173)

OR

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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED	
4.	(CONTINUED)		
	2) SRO-On-Call		
	R. Johnson (9-1-488-6006) (9-1-488-8382)	Attempt contact via beeper 83 or 9-1-(629-7762)	
	<u>OR</u>		
	J. Peterson (9-357-5488)	Attempt contact via beeper 83 or 9-1-(629-7764)	
	c) Verify classification		
	d) <u>IF</u> required by Alert, Site Area Emergency or General Emergency, request initiation of Standing Order 21		
	<u>NOTE:</u> Return to Step 2 of this instruction as necessary during the course of the situation for additional events and reclassification.		
5.	VERIFY EALS EXCEEDED:		
	a) Assure EALS - EXCEEDED	a) <u>IF</u> EALS <u>NOT</u> exceeded, <u>DO NOT</u> declare an emergency classification.	
	<u>AND</u>		
	1) Continue appropriate corrective action IAW procedures.		
	2) <u>GO TO</u> Step 7 of this procedure.		

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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
5.	(CONTINUED)	
	b) IF required, assign appropriate individual as interim Emergency Communicator	
	c) IF required, direct senior H.P. personnel on site to initiate EPIP-4.01, <u>Radiological Assessment Director Controlling Procedure</u>	
6.	DETERMINE EPIPS:	
	a) Event classification - NOTIFICATION OF UNUSUAL EVENT	a) <u>GO TO</u> Step <u>6b</u> of this instruction.
	1) <u>GO TO</u> EPIP-1.02, <u>Response to Notification of Unusual Event</u>	
	b) Event classification - ALERT	b) <u>GO TO</u> Step <u>6c</u> of this instruction.
	1) <u>GO TO</u> EPIP-1.03, <u>Response to Alert</u>	
	c) Event classification - SITE AREA EMERGENCY	c) <u>GO TO</u> Step <u>6d</u> of this instruction.
	1) <u>GO TO</u> EPIP-1.04, <u>Response to Site Area Emergency</u>	
	d) Event classification - GENERAL EMERGENCY	
	1) <u>GO TO</u> EPIP-1.05, <u>Response to General Area Emergency</u>	
7.	SECURE FROM EVENT:	
	a) Notify involved station personnel that emergency condition does not exist	

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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
7.	(CONTINUED)	
	b) <u>GO TO Step 11</u> of this instruction	
8.	TERMINATION NOTIFICATIONS:	
	a) Initiate termination notification to state and local governments IAW EPIP-2.01, <u>Notification of State and Local Governments</u>	
	b) Initiate termination notification to NRC IAW EPIP-2.02, <u>Notification of NRC</u>	
9.	REPORTING:	
	a) Verify required reports and notifications IAW EPIP-2.03, <u>Reports to Offsite Agencies</u>	
10.	RECOVERY ACTIONS:	
	a) Notify involved station personnel of emergency termination	
	b) Initiate recovery actions IAW established station procedures and capabilities	b) <u>IF</u> required recovery actions are determined to be beyond the scope of established procedures and capabilities <u>GO TO EPIP-6.01, Reentry/Recovery Guidelines</u>
11.	ADMINISTRATION:	
	a) Notify Coordinator Emergency Planning to assure replacement of controlled EIPs.	

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CAUTION: Declaration of the highest emergency class for which an EAL is exceeded shall be made.

IF EVENT CATEGORY IS:

GO TO
TAB

1. Safety, Shutdown, or Assessment System EventA
2. Reactor Coolant System EventB
3. Fuel Failure or Fuel Handling Accident.....C
4. Containment Event.....D
5. Radioactivity Event.....E
6. Contaminated PersonnelF
7. Loss of Secondary Cooling.....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

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Non-transient ECCS initiation ABOVE CSD CONDITION	Non-spurious ECCS initiation as validated by Emergency Procedures	Notification of Unusual Event
2. Non compliance with Tech. Spec. Limiting Condition for Operation POWER & HSB	Unit(s) placed in HSD or lower status as a result of Loss of Engineered Safety Feature, Fire Protection System or other noncompliance with T.S. Limiting Conditions for Operation	Unusual Event
3. Loss of Function needed for unit HSD condition ABOVE ISD CONDITION	Total loss of the following: a) Charging/SI System <u>OR</u> b) Main feedwater <u>AND</u> Auxiliary Feedwater Systems Systems	Site Area Emergency
4. Loss of function needed for unit CSD condition CSD	a) Total loss of Secondary System cooling capability b) Total loss of any of the following systems: 1) Service Water <u>OR</u> 2) Component Cooling <u>OR</u> 3) Residual Heat Removal	Alert

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
5. Failure of a safety or relief valve to close after pressure reduction, which may affect the health and safety of the public ALL CONDITIONS	Either condition a) or b) exists: a) <u>RCS</u> Pressurizer safety or PORV flow as indicated by accoustical or temperature monitoring equipment <u>AND</u> RCS pressure-LESS THAN 1600 psig b) <u>Main Steam</u> Excessive Steam Generator Safety, PORV, or Decay Heat Release flow as indicated by rapid RCS cooldown rate <u>AND</u> MS pressure is GREATER THAN 100 psi below set point of affected valve.	Notification of Unusual Event
6. Failure of the Reactor Protection System to initiate and complete a required trip while at power POWER & HSB	Condition a) and b) exists with c) a) RX trip setpoint and coincidences - EXCEEDED <u>AND</u> b) Manual Rx trip - INITIATED <u>AND</u> Rx power indication-NOT DECREASING	Site Area Emergency

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
7. Failure of the Reactor Protection System to complete a trip which takes the Rx Subcritical POWER & HSB	a) Manual <u>OR</u> Automatic Rx trip - INITIATED <u>AND</u> b) Intermediate Range Monitor indicating-ZERO or POSITIVE SUR	Alert
8. Indications or alarms on process or effluent parameters required for incident assessment <u>NOT</u> available ABOVE CSD CONDITION	a) Unit placed in HSD or lower condition as a result of 1) or 2) below: 1) Containment Radiation Monitors required for RCS leak detection by T.S. 3.1 - <u>NOT</u> OPERABLE <u>AND</u> Backup grab sample capability - <u>NOT</u> AVAILABLE 2) Post accident instrumentation - LESS THAN minimum channels allowable per T.S. Table 3.7-6 b) Onsite and offsite meteorological monitoring capability - LESS THAN minimum required to perform offsite dose calculations	Notification of Unusual Event

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
9. Loss of communications capability ALL CONDITIONS	Complete failure of the following: a) Station PBX phone system <u>AND</u> b) Station Gai-Tronics system <u>AND</u> c) Station UHF radio system	Notification of Unusual Event
10. All main board annunciator alarms and unit computer lost for more than 15 minutes during a unit transient POWER & HSB	Complete loss of all annunciator alarms on panels "A" to "K" with loss of unit computer for GREATER THAN 15 minutes <u>AND</u> Unit operational transient - IN PROGRESS	Site Area Emergency
11. All main board annunciator alarms and unit computer lost POWER & HSB	Simultaneous loss of all annunciator alarms on panels "A" to "K" with loss of unit computer	Alert
12. Evacuation of Main Control Room with control <u>NOT</u> established within 15 minutes ALL CONDITIONS	Evacuation of the Control Room with local shutdown control <u>NOT</u> established within 15 minutes	Site Area Emergency
13. Evacuation of Main Control Room required ALL CONDITIONS	Evacuation of the Control Room with shut down control established within 15 minutes	Alert

NUMBER	ATTACHMENT TITLE	REVISION
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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
6. RCS leak rate requiring plant shutdown IAW T.S. 3.1.C POWER & HSB	Unit in HSD or lower as a result of any of the following: a) Unidentified RCS leakage- GREATER THAN <u>1</u> gpm <u>OR</u> b) Identified leakage-GREATER THAN <u>10</u> gpm <u>OR</u> c) Non-isolable fault of RCS pressure boundary	Notification of Unusual Event
7. RCP locked rotor leading to fuel dam- age POWER	All the following exist: a) Flow in one or more RC loops - LESS THAN <u>90%</u> <u>AND</u> b) RCP trip caused by Phase Overcurrent Relay - ACTUATION <u>AND</u> c) High Range Letdown Radiation Monitor indication increases to-GREATER THAN <u>5×10^5</u> cpm	Alert

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Safety Limit-RCS Temperature/Pressure curve exceeded POWER & HSB	Limits of T.S. Fig. 2.1-1 - EXCEEDED	Notification of Unusual Event
2. RCS overpressure ALL CONDITIONS	2735 psig RCS Pressure limit- EXCEEDED	Notification of Unusual Event
3. Rx overpower POWER	118% Rx thermal power limit - EXCEEDED	Notification of Unusual Event
4. RCS leak rate exceeds 300 gpm ABOVE CSD CONDITION	EP-2.00, <u>Loss of Reactor Coolant - IMPLEMENTED</u> <u>AND</u> Pressurizer level can not be maintained with two (2) Charging/SI Pumps in operation	Site Area Emergency
5. RCS leak rate exceeds 50 gpm ABOVE CSD CONDITION	Unit in HSD or lower cond- ition as a result of actions required IAW AP-16, <u>Excessive Primary Plant Leakage</u> <u>AND</u> RCS inventory balance indi- cates leakage-GREATER THAN <u>50 gpm</u>	Alert

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
8. Gross Primary to Secondary leakage with loss of offsite power ABOVE CSD CONDITION	EP-4.00, <u>Steam Generator Tube Rupture</u> - IMPLEMENTED with SI in progress <u>AND</u> Condenser Air Ejector Exhaust - DIVERT to Containment <u>AND</u> Loss of offsite power indi- cated by zero volts on volt- meters for 4160V Buses D, E & F	Site Area Emergency
9. Excessive Primary to Secondary leakage with loss of offsite power ABOVE CSD CONDITION	Unit in HSD or lower condition as a result of actions required by T.S. 3.1.C.6 <u>AND</u> Loss of offsite power indicated by zero volts on voltmeters for 4160V buses D, E & F.	Alert

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
10. Gross Primary to Secondary leakage ABOVE CSD CONDITION	EP-4.00, <u>Steam Generator Tube Rupture - IMPLEMENTED</u> with SI in progress <u>AND</u> Condenser Air Ejector Exhaust - DIVERT to Containment	Alert
11. Primary to Secondary leakage-GREATER THAN 1 gpm ABOVE CSD CONDITION	Unit in HSD or lower con- dition as a result of actions required by T.S. 3.1.C.6	Notification of Unusual Event
12. Loss of 2 of 3 fission product barriers with potential loss of 3rd barrier ALL CONDITIONS	Any two of a), b) or c) exist and the third is imminent a) Fuel clad integrity fail- ure as indicated by any of the following: 1) RCS specific activity - GREATER THAN OR EQUAL TO <u>300.0</u> uCi/gram dose equivalent I-131. 2) 5 or more core exit thermocouples reading- GREATER THAN <u>1200°F</u> <u>OR</u> b) Loss of RCS integrity as indicated by any of the following:	General Emer- gency

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
12. (CONTINUED)	1) RCS pressure has exceeded <u>2735</u> psig 2) EP-2.00, <u>Loss of Reactor Coolant - IMPLEMENTED</u> 3) Outside Containment High Range Gamma Radiation Monitor reading-GREATER THAN <u>2x10¹</u> mR/hr <u>OR</u> c) Loss of containment integrity as indicated by any of the following: 1) Containment pressure - GREATER THAN <u>60</u> psia <u>AND NOT DECREASING</u> 2) Loss of containment integrity as defined in T.S. 1.0.H	
13. Fuel failure with steam generator tube rupture ALL CONDITIONS	Any two of a),b) or c) exists and the third is imminent a) Fuel clad integrity failure as indicated by any of the following: 1) RCS specific activity- GREATER THAN <u>300</u> uCi/gram dose equivalent I-131	General Emergency

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
13. (CONTINUED)	<p>2) 5 or more core exit thermocouples indicate-GREATER THAN <u>1200°F</u></p> <p><u>OR</u></p> <p>b) S/G tube rupture as indicated by both of the following:</p> <p>1) RSC Low Pressure SI - INITIATED</p> <p>2) EP-4.00, <u>Steam Generator Tube Rupture, - IMPLEMENTED</u></p> <p><u>OR</u></p> <p>c) Loss of Secondary integrity as indicated by any of the following:</p> <p>1) Main Steam PORV - OPEN</p> <p>2) Main Steam RV - OPEN</p> <p>3) EP-3.00, <u>Loss of Secondary Coolant - IMPLEMENTED</u></p>	

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Core damage with possible loss of coolable geometry ABOVE CSD CONDITION	Condition a) exists with b) a) Fuel clad failure as indicated by any of the following: 1) RCS Specific activity - GREATER THAN <u>60</u> uCi/gram dose equivalent I-131 2) High Range Letdown Radiation Monitor indication - GREATER THAN <u>1x10⁶</u> cpm <u>AND</u> b) Loss of cooling as indicated by any of the following: 1) 5 confirmed core exit thermocouples - GREATER THAN <u>1200°F</u> 2) Core DT-ZERO 3) Core DT - RAPIDLY DIVERGING	Site Area Emergency
2. Severe Fuel Clad Damage ABOVE CSD CONDITION	RCS specific activity - GREATER THAN <u>300.0</u> uCi/gram dose equivalent I-131 <u>OR</u>	Alert

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
2. (CONTINUED)	High Range Letdown Radiation Monitor indication increases GREATER THAN 5×10^5 cpm within 30 minutes AND remains for at least 15 minutes	
3. Fuel clad damage indication ABOVE CSD CONDITION	Unit shutdown required IAW action statement TS 3.1.D.1 <u>OR</u> High Range Letdown Radiation Monitor indication increases GREATER THAN 10^5 cpm within 30 minutes AND remains for at least 15 minutes	Notification of Unusual Event
4. Probable large radioactivity release initiated by LOCA with ECCS failure leading to core degradation ABOVE CSD CONDITION	EP-2.00, <u>Loss of Reactor Coolant</u> , - IMPLEMENTED, AND RCS specific activity - GREATER THAN 300.0 uCi/gram dose equivalent I-131 <u>AND</u> High or Low Head ECCS flow - <u>NOT</u> being delivered to the core	General Emergency

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
5. Probable large radio-activity release initiated by loss of heat sink leading to core degradation ABOVE CSD CONDITION	Loss of Main FW system and Condensate System <u>AND</u> Loss of Auxiliary FW System <u>AND</u> RHR System - <u>NOT</u> OPERABLE	General Emergency
6. Probable large radio-activity release initiated by failure of protection system to bring Rx subcritical and causing core degradation ABOVE CSD CONDITION	Condition a) exists with b) or c) a) Rx nuclear power after a trip remains-GREATER THAN <u>5%</u> b) RCS pressure - GREATER THAN <u>2485</u> psig <u>AND</u> <u>NOT</u> decreasing c) Containment pressure and temperature are RAPIDLY INCREASING	General Emergency
7. Probable large radio-activity release initiated by loss of AC and all feedwater ABOVE CSD CONDITION	a) ECA-2, <u>Loss of All ac Power</u> - IMPLEMENTED <u>AND</u> b) Turbine Driven Auxiliary Feedwater Pump <u>NOT</u> OPERABLE <u>AND</u> c) Restoration of a) or b) above not likely within <u>2</u> hours	General Emergency

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
8. Probable large radio-activity release initiated by LOCA with loss of ECCS and containment cooling ABOVE CSD CONDITION	Condition a) and b) exist with c) or d) a) <u>EP-2, Loss of Reactor Coolant - IMPLEMENTED</u> <u>AND</u> b) High <u>OR</u> Low Head ECCS flow <u>NOI</u> being delivered to the core <u>AND</u> c) Containment RS sump temperature- <u>GREATER THAN 190°F</u> <u>AND NOT DECREASING</u> <u>OR</u> d) Containment Spray and Recirculation Spray Systems- <u>NOT OPERABLE</u>	General Emergency
9. Major fuel damage accident with radio-activity release to containment or fuel buildings ALL CONDITIONS	Conditions a) or b) exist with c) a) Water level in Rx vessel during refueling - <u>BELOW TOP OF CORE</u> <u>OR</u> b) Water level in Spent Fuel Pit verified - <u>BELOW TOP OF SPENT FUEL</u> <u>AND</u>	Site Area Emergency

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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
9. (CONTINUED)	c) Verified damage to irradiated fuel resulting in readings on Ventilation Vent Gaseous Monitor - GREATER THAN 1×10^6 cpm	
10. Fuel damage accident with release of radioactivity to containment or fuel buildings	Condition a) exists with b) or c)	Alert
ALL CONDITIONS	a) Verified accident involving damage to irradiated fuel	
	<u>AND</u>	
	b) Health Physics confirms fission product release from fuel	
	<u>OR</u>	
	c) Readings on the Ventilation Vent Gaseous Monitor - GREATER THAN 1×10^6 cpm	

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB D) CONTAINMENT EVENT	REVISION 08
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<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Extremely high Containment radiation, pressure and temperature ABOVE CSD CONDITION	Condition a) exists with b) or c) a) Outside Containment High Range Radiation Monitor - GREATER THAN 5×10^2 mR/hr <u>AND</u> b) Containment pressure - GREATER THAN <u>45</u> psia <u>AND</u> is <u>NOT</u> decreasing <u>OR</u> c) Containment temperature - GREATER THAN <u>280°F</u>	General Emergency
2. High-high Containment radiation, pressure, and temperature ABOVE CSD CONDITION	Condition a) exists with b) or c) a) Outside Containment High Range Radiation Monitor - GREATER THAN 2×10^1 mR/hr <u>AND</u> b) Containment pressure - GREATER THAN <u>23.0</u> psia and is <u>NOT</u> decreasing <u>OR</u> c) Containment temperature - GREATER THAN <u>200°F</u>	Site Area Emergency

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB D) CONTAINMENT EVENT	REVISION 08
ATTACHMENT 1		PAGE 18 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
3. High-high Containment radiation, pressure and temperature	Condition a) exists with b) or c)	Alert
ABOVE CSD CONDITION	a) Outside Containment High Range Radiation Monitor - GREATER THAN <u>10¹</u> mR/hr	
	<u>AND</u>	
	b) Containment pressure - GREATER THAN <u>17.7</u> psia	
	<u>OR</u>	
	c) Containment temperature - GREATER THAN <u>150</u> °F	
4. Loss of Containment integrity	Unit has been placed in HSD or lower condition due to a loss of containment integrity as defined by T.S.1.0.H and prescribed by T.S. 3.8.A	Notification of Unusual Event
ABOVE CSD CONDITION		

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (Tab E) RADIOACTIVITY EVENT	REVISION 04
ATTACHMENT 1		PAGE 19 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Projected or actual site boundary doses exceed 2 Rem W.B. or 12 Rem thyroid ex- posure ALL CONDITIONS	a) Confirmed Health Physics assessments of site bound- ary actual or projected doses indicate-GREATER THAN <u>2</u> Rem whole body or <u>12</u> Rem thyroid exposure <u>OR</u> b) Valid indications of the following exist: 1) Any Main Steam Line High Range Monitor indicates-GREATER THAN <u>1.5×10^0</u> mR/hr <u>OR</u> 2) Ventilation Vent High Range Monitor indicates-GREATER THAN <u>4.50×10^{-1}</u> uCi/cc <u>OR</u> 3) Process Vent High Range Monitor indicates- GREATER THAN <u>5.10×10^1</u> uCi/cc	General Emerg- ency

NUMBER EPT .01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB E) RADIOACTIVITY EVENT	REVISION 08
ATTACHMENT 1		PAGE 20 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
2. Projected or actual site boundary doses of 0.5 Rem to 2 Rem W.B. or 1 Rem to 12 Rem thyroid exposure ALL CONDITIONS	Valid indications of any of the following exist: a) Any Main Steam Line High Range Monitor indicates- GREATER THAN 7.5×10^{-2} mR/hr <u>OR</u> b) Ventilation Vent High Range Monitor indicates- GREATER THAN 2.26×10^{-2} uCi/cc <u>OR</u> c) Process Vent High Range Monitor indicates-GREATER THAN 2.55×10^{-2} uCi/cc <u>OR</u> d) Monitoring Team samples indicate doses of from <u>0.5</u> to <u>2.0</u> Rem W.B. or <u>1</u> to <u>12</u> Rem thyroid ex- posure at the site bound- ary	Site Area Emergency

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-1.01		00
ATTACHMENT		PAGE
1	EMERGENCY ACTION LEVEL TABLE (TAB E) RADIOACTIVITY EVENT	21 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
3. High radiation or airborne contamination levels indicate a severe degradation in control of radioactive material	Valid unexpected levels on any of the following monitors have increased by a factor of 1000	Alert
ALL CONDITIONS	a) Control Room Area Monitor b) Auxiliary Building Control Area Monitor c) Auxiliary Building Drumming Area Monitor d) Decontamination Building Area Monitor e) Fuel Pit Bridge Area Monitor f) New Fuel Storage Area Monitor g) Laboratory Area Monitor h) Sample Room Area Monitor	

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB E) RADIOACTIVITY EVENT	REVISION 05
ATTACHMENT 1		PAGE 22 of 39

CONDITION/
APPLICABILITYINDICATIONCLASSIFICATION

4. Effluent Release
GREATER THAN 10
TIMES T.S. instan-
taneous allow-
able limits

Any of the following
monitors indicate
valid readings above
the specified values

Alert

ALL CONDITIONS

- a) Ventilation Vent Gaseous
Monitor-GREATER THAN
10x100% T.S. value
as determined from
Attachment 1, AP-5.20

- b) Air Ejector Monitor -
GREATER THAN 1×10^6 cpm

AND

Air Ejector exhaust - NOT
isolated or diverting to
containment

- c) Discharge Canal Monitor -
GREATER THAN 1.3×10^5

- d) Process Vent Gaseous
Monitor-GREATER THAN
 1×10^6 cpm for GREATER
THAN 15 minutes

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB E) RADIOACTIVITY EVENT	REVISION 08
ATTACHMENT 1		PAGE 23 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
5. Effluent release GREATER THAN T.S. allowable Limit ALL CONDITIONS	Any of the following monitors indicate valid readings above the spec- ified value a) Ventilation Vent Gaseous Monitor-GREATER THAN 100% T.S. value as determined from Attachment 1, AP-5.20 b) Air Ejector Monitor - GREATER THAN 3.5×10^5 cpm <u>AND</u> Air Ejector exhaust - <u>NOT</u> diverting to contain- ment c) Discharge Canal Monitor - GREATER THAN 1.3×10^4 d) Process Vent Gaseous Monitor- GREATER THAN 1×10^5 cpm for LESS THAN <u>15</u> minutes	Notification of Unusual Event

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB F) CONTAMINATED PERSONNEL	REVISION 08
ATTACHMENT 1		PAGE 24 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Transportation of contaminated injured individual to off-site facility	Contaminated injured indi- vidual enroute to off-site facility for treatment	Notification of Unusual Event
ALL CONDITIONS		

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB G) LOSS OF SECONDARY COOLANT	REVISION 08
ATTACHMENT 1		PAGE 25 of 39

<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 ABOVE CSD CONDITION	Conditions a) and b) exist with c), d) or e) a) EP-3.00, <u>Loss of Secondary Coolant - IMPLEMENTED AND</u> verified non-spurious <u>AND</u> b) RCS specific activity - GREATER THAN <u>300</u> uCi/gram <u>OR</u> Letdown High Range Radiation Monitor - GREATER THAN <u>10⁵</u> cpm <u>AND</u> c) Condenser Air Ejector Radiation Monitor - GREATER THAN <u>10⁶</u> cpm <u>OR</u> d) Steam Generator Blow-down Radiation Monitor - GREATER THAN <u>10⁶</u> cpm <u>OR</u> e) MS Line High Range Radiation Monitor - GREATER THAN <u>7.5x10⁻²</u> mR/hr	Site Area Emergency

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB G) LOSS OF SECONDARY COOLANT	REVISION 08
ATTACHMENT 1		PAGE 26 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
2. Major Secondary line break with significant Primary to Secondary leakage ABOVE CSD CONDITION	Condition a) exists with b), c) or d) a) EP-3.00, <u>Loss of Secondary Coolant</u> , - <u>IMPLEMENTED AND</u> verified to be non-spurious <u>AND</u> b) Condenser Air Ejector Radiation Monitor - <u>GREATER THAN 1×10^6 cpm</u> <u>OR</u> c) Steam Generator Blow-down Radiation Monitor - <u>GREATER THAN 10^5 cpm</u> <u>OR</u> d) MS Line High Range Radiation Monitor - <u>GREATER THAN 0.5 mR/hr</u>	Alert
3. Major Secondary line break ABOVE CSD CONDITION	EP-3.00, <u>Loss of Secondary Coolant</u> , - <u>IMPLEMENTED AND</u> verified non-spurious	Notification of Unusual Event

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB H) ELECTRICAL FAILURE	REVISION 08
ATTACHMENT 1		PAGE 27 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Loss of off-site power or on-site AC power capability ALL CONDITIONS	Unit Main Generator and both Emergency Diesel Generators out of service <u>OR</u> Loss of all 34.5KV Reserve Station Service Buses	Notification of Unusual Event
2. Loss of off-site and on-site AC power for more than 15 minutes ALL CONDITIONS	The following conditions exist for a period - <u>GREATER THAN 15 minutes</u> a) Ammeters for 4160V Reserve Station Service Buses D, E, & F all - ZERO (0) AMPS <u>AND</u> b) Ammeters for 4160V Station Service Buses A, B & C all ZERO (0) AMPS <u>AND</u> c) Ammeters for 4160V Emergency Buses H & J both - ZERO (0) AMPS	Site Area Emergency
3. Loss of all off-site and on-site AC power ALL CONDITIONS	Ammeters for 4160V Reserve Station Service Buses D, E, & F all - ZERO (0) AMPS <u>AND</u>	Alert

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB H) ELECTRICAL FAILURE	REVISION 08
ATTACHMENT 1		PAGE 28 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
3. (CONTINUED)	Ammeters for 4160V Station Service Buses A,B,& C all - ZERO (0) AMPS <u>AND</u> Ammeters for 4160V Emergency Buses H and J both - ZERO (0) AMPS	
4. Loss of all on-site DC power for-GREATER THAN 15 minutes ALL CONDITIONS	The following conditions exist for a period - GREATER THAN <u>15</u> minutes a) All Station Battery volt- meters - ZERO (0) VOLTS <u>AND</u> b) No light indication available to Reserve Station Service Breakers 15D1, 15E1 and 15F1	Site Area Emergency
5. Loss of all on-site DC power ALL CONDITIONS	All Station Battery volt- meters - ZERO (0) VOLTS <u>AND</u> No light indication avail- able to Reserve Station Service Breakers 15D1, 15E1 and 15F1	Alert

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB I) FIRE	REVISION 08
ATTACHMENT 1		PAGE 29 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Fire resulting in degradation of safety systems ABOVE CSD CONDITION	Fire within the Station which causes major degradation of a safety system function required for protection of the public <u>AND</u> Affected systems are caused to be <u>NOT</u> operable as defined by T.S.1.0.D and 3.02	Site Area Emergency
2. Fire potentially affecting station safety systems ABOVE CSD CONDITION	Fire within the Station which has potential for causing a safety system <u>NOT</u> to be operable as defined by T.S.1.0.D and 3.0.2	Alert
3. Fire lasting-GREATER THAN 10 minutes ALL CONDITIONS	Fire within the Station which is not under control within <u>10</u> minutes after fire fighting efforts begin	Notification of Unusual Event

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB J) SECURITY EVENT	REVISION 08
ATTACHMENT 1		PAGE 30 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Loss of Station physical control ALL CONDITIONS	Shift Supervisor has been informed that the security force has been neutralized by attack, resulting in loss of physical control of station <u>OR</u> Shift Supervisor has been informed of intrusion into one or more Vital Areas which are occupied <u>OR</u> controlled by an aggressor	General Emergency
2. Imminent loss of physical Station control ALL CONDITIONS	Security Shift Supervisor has notified the Shift Supervisor of imminent intrusion into a Vital Area	Site Area Emergency
3. Ongoing Security compromise ALL CONDITIONS	Security Shift Supervisor has notified the Shift Supervisor of a confirmed unneutralized intrusion into the Protected Area	Alert
4. Bomb potentially affecting station safety systems ALL CONDITIONS	Shift Supervisor notification of a verified bomb discovered on <u>OR</u> near a safety related system	Alert

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB J) SECURITY EVENT	REVISION 08
ATTACHMENT 1		PAGE 31 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
5. Security threat, unauthorized attempted entry, or attempted sabotage	Security Shift Supervisor has recommended Shift Supervisor declare an Unusual Event IAW SEC-24	Notification of Unusual Event
ALL CONDITIONS		
6. Bomb threat or discovery	Shift Supervisor notification of a bona fide bomb threat	Notification of Unusual Event
ALL CONDITIONS	<u>OR</u> Shift Supervisor notification of bomb discovery within the Protected Area	

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB K) HAZARD TO STATION OPERATION	REVISION 08
ATTACHMENT 1		PAGE 32 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Aircraft damage to vital plant systems ABOVE CSD CONDITION	Aircraft crash which affects vital structures by impact or fire	Site Area Emergency
2. Aircraft crash on the facility ALL CONDITIONS	Aircraft crash within the Protected Area <u>OR</u> Aircraft crash in Station Switchyard	Alert
3. Aircraft crash or un- usual aircraft activity ALL CONDITIONS	Confirmed notification of aircraft crash within the site boundary <u>OR</u> Unusual aircraft activity in the vicinity of the site as determined by the Shift Supervisor <u>AND/OR</u> Security Shift Supervisor	Notification of Unusual Event
4. Severe explosive damage ABOVE CSD CONDITION	Explosion which results in severe degradation of any systems required for safe shutdown:	Site Area Emergency

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB K) HAZARD TO STATION OPERATION	REVISION 08
ATTACHMENT 1		PAGE 33 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
5. Explosion damage to facility ALL CONDITIONS	Unplanned explosion resulting in damage to plant structure or equipment	Alert
6. Onsite explosion ALL CONDITIONS	Confirmed report of unplanned explosion onsite	Notification of Unusual Event
7. Entry of toxic or flammable gases into plant vital areas ABOVE CSD CONDITION	Notification of uncontrolled release of toxic <u>OR</u> flammable agents above life threatening or explosive limits into Vital Areas <u>AND</u> Any of the following occur: a) Evacuation of Vital Area required <u>OR</u> b) Degradation of safety systems resulting in loss of a safety system function required for protection of the public	Site Area Emergency
8. Entry of toxic or flammable gases or liquids into plant facility ALL CONDITIONS	Notification of uncontrolled release of toxic <u>OR</u> flammable agent which cause: a) Evacuation of personnel from plant areas <u>AND</u> b) Safety related equipment is rendered inoperable	Alert

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB K) HAZARD TO STATION OPERATION	REVISION 08
ATTACHMENT 1		PAGE 34 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
9. On or near site release of toxic or flammable liquids or gases ALL CONDITIONS	Notification of unplanned release of toxic <u>OR</u> flam- mable agents which may affect safety of station personnel <u>OR</u> equipment	Notification of Unusual Event
10. Severe missile damage to safety systems ABOVE CSD CONDITION	Missile impact causing severe degradation of safety systems required for unit shutdown	Site Area Emergency
11. Missile damage to safety related equipment or structures ABOVE CSD CONDITION	a) Notification of missile impact causing damage to safety related equip- ment or structures	Alert
12. Turbine failure with penetration POWER	a) Failure of Turbine/ Generator rotating equip- ment resulting in casing penetration	Alert

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB L) NATURAL EVENTS	REVISION 08
ATTACHMENT 1		PAGE 35 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
1. Earthquake greater than DBE levels ABOVE CSD CONDITION	Earthquake which activates the Event Alarm on the Strong Motion Accelerograph <u>AND</u> AP-37, <u>Seismic Event</u> , calculations indicate horizontal motion of <u>0.15g OR GREATER</u> <u>OR</u> Safety related systems are significantly degraded by earthquake	Site Area Emergency
2. Earthquake greater than OBE levels ALL CONDITIONS	Confirmed earthquake which activates Event Alarm on the Strong Motion Accelerograph <u>AND</u> AP-37, <u>Seismic Event</u> , calculations indicate horizontal motion of <u>0.07g OR GREATER</u> <u>OR</u> Safety related equipment is rendered inoperable by earthquake	Alert
3. Earthquake detected ALL CONDITIONS	Confirmed earthquake which activates the Event Alarm on the Strong Motion Accelerograph	Notification of Unusual Event

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB L) NATURAL EVENTS	REVISION 08
ATTACHMENT 1		PAGE 36 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
4. Tornado striking facility ALL CONDITIONS	Tornado visually detected striking within the Protected Area or Switchyard	Alert
5. Tornado onsite ALL CONDITIONS	Tornado visually detected onsite	Notification of Unusual Event
6. Severe winds ABOVE CSD CONDITION	Sustained severe winds in excess of 100 mph caused by Hurricane, Tornado <u>OR</u> other severe weather condition	Site Area Emergency
7. Extreme winds ABOVE CSD CONDITION	Sustained extreme winds in excess of <u>80</u> mph caused by Hurricane <u>OR</u> other severe weather conditions	Alert
8. High winds ALL CONDITIONS	Any of the following: a) System Operator notification of Hurricane watch for Surry County <u>OR</u> b) Sustained wind speed onsite measured <u>OR</u> projected to be in excess of <u>73</u> mph	Notification of Unusual Event

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB L) NATURAL EVENTS	REVISION 08
ATTACHMENT 1		PAGE 37 of 39

<u>CONDITION/ APPLICABILITY</u>	<u>INDICATION</u>	<u>CLASSIFICATION</u>
9. Flood or low water level above design levels	Flood in the James River with indicated level - GREATER THAN <u>+27</u> feet MSL	Site Area Emergency
ALL CONDITIONS	<u>OR</u> Low water level in the James River with indicated level - LESS THAN <u>-9</u> feet MSL as indicated by loss of Emergency SW Pump suction	
10. Flood or low water level near design levels	Flood in the James River with indicated level - GREATER THAN <u>+21</u> feet MSL	Alert
ALL CONDITIONS	<u>OR</u> Low water level in the Surry Power Station intake canal with indicated level - LESS THAN <u>18</u> feet <u>AND</u> DECREASING	
11. Flood or low water level	Flood in the James River with indicated level - GREATER THAN <u>+12</u> feet MSL	Notification of Unusual Event
ALL CONDITIONS	<u>OR</u> Low water level in the Surry Power Station intake canal with indicated level - LESS THAN <u>18</u> feet <u>AND NOT</u> INCREASING	

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB M) MISCELLANEOUS ABNORMAL EVENTS	REVISION 08
ATTACHMENT 1		PAGE 38 of 39

<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 ALL CONDITIONS	Shift Supervisor/Station Emergency Manager judgement	General Emergency
2. Station conditions which warrant activation of emergency facilities monitoring teams or precautionary notification to the near-site public ALL CONDITIONS	Shift Supervisor/Station Emergency Manager judgement	Site Area Emergency
3. Station conditions which warrant precautionary notification to the near-site public ALL CONDITIONS	Shift Supervisor/Station Emergency Manager judgement	Alert
4. Station conditions which warrant increased awareness of state and/or local authorities ALL CONDITIONS	Shift supervisor judgement that any of the following exist: a) Unit (s) placed in a HSD or lower condition as a result of noncompliance with T.S. Limiting Condition for Operation	Notification of Unusual Event
<u>OR</u>		

NUMBER EPIP-1.01	ATTACHMENT TITLE EMERGENCY ACTION LEVEL TABLE (TAB M) MISCELLANEOUS ABNORMAL EVENT	REVISION 00
ATTACHMENT 1		PAGE 39 of 39

CONDITION/
APPLICABILITY

INDICATION

CLASSIFICATION

4. (CONTINUED)

b) Unit shutdown is other
than a controlled shutdown

OR

c) Unit is in an uncontrolled
condition during operation

OR

d) A condition exists which
has the potential for
escalation and, therefore,
warrants notification

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.02	RESPONSE TO NOTIFICATION OF UNUSUAL EVENT (With No Attachments)	01
		PAGE 1 of 7

PURPOSE

To provide guidance to the Station Emergency Manager during the progress of a classified NOTIFICATION OF UNUSUAL EVENT emergency.

USER

Station Emergency Manager

ENTRY CONDITIONS

1. Entry From EPIP-1.01, Emergency Manager Controlling Procedure.

REVISION RECORD

REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82
REV. 01	PAGE(S): Entire Procedure	DATE: NOV 10 1983
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:

APPROVAL RECOMMENDED

QC REVIEW

APPROVED

DATE

NOV 10 1983

CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.02	RESPONSE TO NOTIFICATION OF UNUSUAL EVENT	01
		PAGE 2 of 7

STEP

ACTION/EXPECTED RESPONSE

RESPONSE NOT OBTAINED

1. INITIATE PROCEDURE:

a) Declare position of Station
Emergency Manager

b) BY: _____

DATE: _____

TIME: _____

NOTE: The Shift Supervisor may be relieved as Station Emergency Manager IAW the SPS Emergency Plan.

2. STATE AND LOCAL GOVERNMENT
NOTIFICATION:a) Initiate EPIP-2.01,
Notification of State
and Local Governments

NOTE: Updates of state and local governments should be provided at approximately 30 minute intervals and after significant changes to plant status, radiological data, or meteorological data.

3. NRC NOTIFICATION:

a) Initiate EPIP-2.02,
Notification of NRC,
Attachment 1

4. CALL OUT OF PERSONNEL:

a) If required, call out appropriate
personnel using Emergency
Personnel Notification List,
Attachment 1, EPIP-3.01, Call-Out
of Emergency Response Personnel

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.02	RESPONSE TO NOTIFICATION OF UNUSUAL EVENT	01
		PAGE 3 of 7

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
5.	EVALUATE STATION CONDITIONS:	
	a) Unit(s) are <u>NOT</u> affected by emergency condition	a) <u>IF</u> a unit is affected, evaluate safe operation of unaffected unit.
	1) Evaluate safety of any operating unit(s)	<u>AND</u>
	2) Consider unit(s) shutdown if emergency conditions so indicate	Consider unit shutdown if conditions so indicate.
6.	EVALUATE ONSITE PROTECTIVE MEASURES:	
	a) Verify EPIP-4.01, <u>Radiological Assessment Director Controlling Procedure</u> activated	a) Direct activation of EPIP-4.01, <u>Radiological Assessment Director Controlling Procedure</u>
	b) Evaluate requirement for limited onsite evacuation	
	1) <u>IF</u> required, sound EMERGENCY Alarm and make appropriate announcement using Gai-Tronics system	
	c) Evaluate requirement for accountability	
	1) <u>IF</u> required, direct security to initiate EPIP-5.03, <u>Personnel Accountability</u>	
	d) Evaluate requirement for radiological protection	
	1) Consult with Radiological Assessment Director	

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.02	RESPONSE TO NOTIFICATION OF UNUSUAL EVENT	01
		PAGE 4 of 7

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
6.	(CONTINUED)	
	2) Initiate protective measures as required	
7.	FOLLOW-UP STATE AND LOCAL GOVERNMENT NOTIFICATION:	
	a) Verify updated Health Physics dose assessments complete	a) Continue in this procedure
	b) Verify timely follow-up notification IAW EPIP-2.01, <u>Notification of State and Local Governments</u>	b) Direct initiation of EPIP-2.01, <u>Notification of State and Local Governments.</u>
	NOTE: Updates to state and local governments should be provided at approximately 30 minute intervals.	
8.	FOLLOW-UP NRC NOTIFICATION:	
	a) Verify follow-up NRC notification IAW EPIP-2.02, <u>Notification of NRC, Attachment 2</u>	a) Direct initiation of EPIP-2.02 <u>Notification of NRC.</u>
9.	ADDITIONAL REPORTING:	
	a) Initiate evaluation of reporting criteria IAW EPIP-2.03, <u>Reports to Offsite Agencies</u>	
	b) <u>IF required, initiate EPIP-2.03, Reports to Offsite Agencies</u>	

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.02	RESPONSE TO NOTIFICATION OF UNUSUAL EVENT	01
		PAGE 5 of 7

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
10.	CHECK RADIOLOGICAL CONDITIONS:	
	a) Radiological conditions - STABLE <u>OR</u> IMPROVING	a) <u>IF NOT</u> stable <u>OR</u> improving confer with Superintendent of Operations and Radio- logical Assessment Director. <u>AND</u> Initiate further mitigating actions.
11.	CHECK UNIT CONDITIONS:	
	a) Reactor plants - STABLE	a) <u>IF NOT</u> stable confer with Supt. of Operations/SRO-On- Call and initiate further mitigating actions.
12.	DAMAGE CONTROL:	
	a) Damage to Station equip- ment has been verified	a) <u>GO TO</u> Step <u>13</u> .
	b) With Superintendent of Operations and Superinten- dent of Maintenance evaluate evaluate extent of damage	b) <u>IF NOT</u> available, confer with senior maintenance personnel onsite.
	c) Evaluate following assist- ance requirements	
	1) Offsite Technical	
	2) Additional personnel	
	3) Material and Equipment	
	d) Initiate emergency repairs as required IAW approved Station Procedures	

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.02	RESPONSE TO NOTIFICATION OF UNUSUAL EVENT	01
		PAGE 6 of 7

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
13.	VERIFY CLASSIFICATION:	
	a) Review EPIP-1.01, Attachment 1 <u>Emergency Action Level</u> , THEN, <u>GO TO</u> Step <u>13.b</u>	* <u>IF</u> new event identified or emergency escalated, <u>GO TO</u> Step <u>16</u> of this procedure.
		<u>AND</u>
	b) Verify no additional events have occurred and emergency has <u>NOT</u> escalated	Notify Radiological Assessment Director.
14.	CHECK FOR TERMINATION:	
	a) Verify EALs - <u>NOT</u> EXCEEDED	a) <u>IF</u> EALs are still exceeded, return to Step <u>4</u> or this instruction.
	<u>AND</u>	
	b) Verify plant condition - SAFE <u>AND</u> STABLE	b) <u>IF</u> unstable, evaluate and return to Step <u>4</u> of this instruction.
	<u>AND</u>	
	c) Onsite and offsite response personnel - <u>NOT</u> REQUIRED	c) Continue monitoring and return to Step <u>4</u> of this instruction.
15.	EMERGENCY TERMINATION:	
	a) Close-Out	
	1) Initiate written summary to offsite authorities within 24 hours	
	2) COMPLETED BY: _____	
	DATE: _____	
	TIME: _____	

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.02	RESPONSE TO NOTIFICATION OF UNUSUAL EVENT	01
		PAGE 7 of 7

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
15.	(CONTINUED)	
	b) <u>GO TO EPIP-1.01, Emergency Manager Controlling Procedure Step 8</u> c) Forward completed EPIP-1.02, forms and other applicable records to Secretary SNSOC	
16.	TERMINATE EPIP-1.02:	
	a) Close-Out 1) Initiate written summary to offsite authorities within 24 hours 2) COMPLETED BY: _____ DATE: _____ TIME: _____	
	b) <u>GO TO EPIP-1.01, Emergency Manager Controlling Procedure Step 4</u> c) Forward completed EPIP-1.02, forms and other applicable records to Secretary SNSOC	
	END	

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.03	RESPONSE TO ALERT (With No Attachments)	01
		PAGE
		1 of 12

PURPOSE

To provide guidance to the Station Emergency Manager during the progress of a classified ALERT emergency.

USER

Station Emergency Manager

ENTRY CONDITIONS

1. Entry from EPIP-1.01, Emergency Manager Controlling Procedure.

REVISION RECORD

REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82
REV. 01	PAGE(S): Pages 1 of 12 and 12 of 12	DATE: NOV 10 1983
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:

APPROVAL RECOMMENDED

QC REVIEW

APPROVED

DATE

NOV 10 1983

CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.03	RESPONSE TO ALERT	01
		PAGE 12 of 12

STEP

ACTION/EXPECTED RESPONSE

RESPONSE NOT OBTAINED

29. (CONTINUED)

- c) GO TO EPIP-1.01, Emergency Manager Controlling Procedure, Step 4
- d) Forward completed EPIP-1.03, forms and other applicable records to Secretary SNSOC

30. EMERGENCY TERMINATION:

- a) Verify Recovery Manager concurrence IF EOF activated
- b) Close-Out
 - 1) Initiate written summary to offsite authorities within 3 hours
 - 2) COMPLETED BY: _____
 - DATE: _____
 - TIME: _____
- c) GO TO EPIP-1.01, Emergency Director Controlling Procedure, Step 8
- d) Forward Completed EPIP-1.03, forms and other applicable records to Secretary SNSOC

END

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY (With No Attachments)	01
		PAGE 1 of 13

PURPOSE

1. To provide guidance to the Station Emergency Manager during the progress of a classified SITE AREA emergency.

USER

Station Emergency Manager

ENTRY CONDITIONS

1. Entry from EPIP-1.01, Emergency Manager Controlling Procedure.

REVISION RECORD

REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82
REV. 01	PAGE(S): Entire Procedure	DATE: NOV 10 1983
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:

APPROVAL RECOMMENDED

QC REVIEW

APPROVED

DATE

NOV 10 1983

CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY	01
		PAGE 2 of 13

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
1.	<p>INITIATE PROCEDURE:</p> <p>a) Declare position of Station Emergency Manager</p> <p>b) BY: _____</p> <p>DATE: _____</p> <p>TIME: _____</p> <p><u>NOTE:</u> The Shift Supervisor may be relieved as Station Emergency Manager IAW the SPS Emergency Plan.</p>	
2.	<p>INPLANT NOTIFICATION:</p> <p>a) From the Control Room, sound the EMERGENCY Alarm</p> <p>b) Make announcement on station Gai-Tronics system as follows:</p> <p>1) "A SITE AREA EMERGENCY has been declared"</p> <p>2) "All Emergency Response personnel report to their assigned stations"</p> <p>3) "All other personnel report to their Emergency Assembly Areas"</p> <p>c) Repeat Steps <u>2.a</u> and <u>2.b</u>, <u>THEN</u> continue this instruction</p>	

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY	01
		PAGE 3 of 13

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
3.	<p>ON-SITE ACCOUNTABILITY:</p> <p>a) Direct Security to initiate EPIP-5.03, <u>Personnel Accountability</u></p> <p>b) Direct Security to initiate EPIP-5.04, <u>Access Control</u></p>	<p>* Notify Security Shift Supervisor via PEX-#346</p>
4.	<p>CALLOUT OF PERSONNEL:</p> <p>a) Verify Emergency Response Personnel - ON-SITE</p> <p>b) Direct Security to activate Corporate Emergency Response Team by calling General Office Security IAW Attachment 1, EPIP-3.01, <u>Call-Out of Emergency Response Personnel</u></p>	<p>a) Direct Security to initiate EPIP-3.01, <u>Call out of Emergency Response Personnel.</u></p> <p><u>AND</u></p> <p><u>GO TO Step 7</u> of this instruction.</p>
5.	<p>STATE AND LOCAL GOVERNMENT NOTIFICATION:</p> <p>a) Initiate EPIP-2.01, <u>Notification of State and Local Governments</u></p>	
<p><u>NOTE:</u> Updates to state and local governments should be provided at approximately 30 minute intervals and after significant changes to plant status, radiological data, or meteorological data.</p>		

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY	01
		PAGE
		4 of 13

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
6.	NRC NOTIFICATION:	
	a) Initiate EPIP-2.02, <u>Notification of NRC,</u> Attachment 1	
7.	EVALUATE STATION CONDITIONS:	
	a) Unit(s) are <u>NOT</u> affected by emergency condition	a) <u>IF</u> a unit is affected, eval- uate safe operation of unaf- fected unit.
	1) Evaluate safety of and operating unit(s)	<u>AND</u>
	2) Consider unit(s) shutdown if emergency conditions so indicate	Consider unit shutdown if conditions so indicate.
8.	VERIFY EMERGENCY CENTERS/ FACILITIES:	
	a) All emergency centers and facilities - ACTIVATED	a) <u>GO TO</u> Step <u>9</u> of this instruc- tion.
	b) <u>GO TO</u> Step <u>12</u> of this instruction	
9.	VERIFY TSC ESTABLISHED:	
	a) Check TSC <u>NOT</u> previously activated	a) <u>GO TO</u> Step <u>10</u> of this in- struction.
	b) Relieve the Shift Supervisor as Station Emergency Manager	b) <u>IF</u> Shift Supervisor relief <u>NOT</u> available <u>GO TO</u> Step <u>10</u> of this instruction, and return to Step <u>9</u> , when appropriate.
	1) BY: _____	
	DATE: _____	
	TIME: _____	

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY	01
		PAGE 5 of 13

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
9.	(CONTINUED)	
	c) If desired, relocate Station Emergency Manager position to TSC	
	d) Announce Station Emergency Manager name and location to offsite authorities	
	e) Verify TSC - ACTIVATED	e) Initiate activation of TSC IAW EPIP-3.02, <u>Activation of Technical Support Center.</u>
10.	VERIFY OSC ESTABLISHED:	
	a) Check OSC <u>NOT</u> previously activated	a) <u>GO TO</u> Step <u>11</u> of this instruction.
	b) Direct on-duty mechanical foreman to assume position of interim OSC Director	
	c) Direct activation of OSC IAW EPIP-3.03, <u>Activation of Operational Support Center</u>	
11.	VERIFY EOF ESTABLISHED:	
	a) Check EOF <u>NOT</u> previously activated	a) <u>GO TO</u> Step <u>12</u> of this instruction.
	b) Direct Security to activate EOF IAW EPIP-3.04, <u>Activation of Emergency Operations Facility</u>	
12.	VERIFY EPIP-4.01:	
	a) Assure EPIP-4.01, <u>Radiological Assessment Director Controlling Procedure</u> - ACTIVATED	a) Direct Health Physics to initiate EPIP-4.01, <u>Radiological Assessment Director Controlling Procedure</u> , <u>THEN GO TO</u> Step <u>13</u> .

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY	01
		PAGE 6 of 13

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
12.	(CONTINUED)	
	b) Check status of EPIP-4.01, <u>Radiological Assessment</u> <u>Director Controlling</u> <u>Procedure</u>	
	c) Verify Onsite Monitoring Team - ACTIVATED	
13.	CHECK RADIOLOGICAL CONDITIONS:	
	a) Radiological conditions - STABLE <u>OR</u> IMPROVING	a) Confer with Radiological Assessment Director and Emergency Operations Director <u>AND</u> Initiate appropriate miti- gating actions.
14.	CHECK UNIT CONDITIONS:	
	a) Reactor plant(s) - STABLE	a) <u>IF</u> TSC activated, confer with Emergency Operations Director. <u>IF NOT</u> , confer with SRO-On- Call. <u>AND</u> Initiate appropriate miti- gating actions.
15.	DAMAGE CONTROL:	
	a) Damage to station equip- ment has been verified	a) <u>GO TO</u> Step <u>16</u> .
	b) With Emergency Operations and Maintenance Directors, evaluate extent of damage	b) <u>IF</u> TSC <u>NOT</u> manned confer with senior operations and maintenance personnel onsite.

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY	01
		PAGE
		7 of 13

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
15.	(CONTINUED)	
	c) Evaluate following assistance requirements 1) Offsite Technical 2) Additional personnel 3) Material and Equipment d) Direct Emergency Maintenance Director to initiate EPIP-5.08, <u>Damage Control</u>	d) <u>IF NOT</u> available, initiate interim damage control activities.
16.	VERIFY ONSITE CONDITIONS:	
	a) Evaluation indicates limited evacuation of buildings or areas - REQUIRED b) Sound EMERGENCY Alarm and make appropriate announcement using the station Gai-Tronics system	a) <u>GO TO</u> Step <u>17</u> of this instruction.
17.	FOLLOW-UP STATE AND LOCAL GOVERNMENT NOTIFICATION:	
	a) Verify updated Health Physics dose assessments completed b) Verify timely follow-up state and local government notification IAW EPIP-2.01, <u>Notification of State and Local Governments</u>	b) Initiate EPIP-2.01, <u>Notification of State and Local Governments</u> .
<p><u>NOTE:</u> Updates to state and local governments should be provided at approximately 30 minute intervals.</p>		

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY	01
		PAGE
		8 of 13

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
18.	FOLLOW-UP NRC NOTIFICATION:	
	a) Verify follow-up NRC notification IAW EPIP-2.02, <u>Notification of NRC, Attachment 2</u>	a) <u>Initiate EPIP-2.02, Notification of NRC.</u>
19.	ADDITIONAL REPORTING:	
	a) Direct the Emergency Administrative Director to evaluate reporting criteria IAW EPIP-2.03, <u>Reports to Offsite Agencies</u>	
	b) Initiate reporting requirements of EPIP-2.03, <u>Reports to Offsite Agencies</u>	
20.	VERIFY ACCOUNTABILITY:	
	a) All personnel accounted for IAW EPIP-5.03, <u>Personnel Accountability</u>	a) <u>Direct initiation of EPIP-5.02, Search and Rescue.</u>
21.	SITE EVACUATION:	
	a) Radiological Assessment Director recommends site evacuation	a) <u>GO TO Step 23.</u>
	b) Consider the following:	
	1) Onsite dose GREATER THAN <u>1</u> Rem whole body <u>OR</u> GREATER THAN <u>5</u> Rem thyroid exposure	
	2) Characteristics and direction of the plume	
	3) Contamination vs. personnel safety and exposure	

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY	01
		PAGE 9 of 13

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
22.	INITIATE SITE EVACUATION:	
	a) Implement EPIP-5.05, <u>Site Evacuation</u>	
23.	OFFSITE RECOMMENDATIONS:	
	a) Radiological Assessment Director recommends near-site sheltering or evacuation	a) <u>GO TO</u> Step <u>25</u> .
	b) Consider the following:	
	1) Site boundary doses of <u>0.5</u> Rem to <u>2</u> Rem whole body, <u>OR</u> <u>1</u> Rem to <u>12</u> Rem thyroid exposure	
	2) Characteristics and direction of plume	
	c) <u>GO TO</u> Step <u>24</u> and make appropriate recommendations to offsite agencies	
24.	EVACUATION/RECOMMENDATION NOTIFICATIONS:	
	a) Notify state and local governments of evacuation initiation IAW EPIP-2.01, <u>Notification of State and Local Governments</u>	
	b) Notify NRC Operations Center of evacuation initiation IAW EPIP-2.02, <u>Notification of NRC</u>	

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY	01
		PAGE 10 of 13

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
25.	EMERGENCY EXPOSURE:	
	a) Evaluation of conditions indicates authorization of emergency radiation exposure limits should be considered	a) <u>GO TO</u> Step <u>26</u>
	b) Implement EPIP-5.06, <u>Emergency Radiation Exposure Authorization</u>	
26.	BLOCKING AGENT:	
	a) On recommendation of Radiological Assessment Director evaluate issuance of Radioiodide blocking agent to onsite personnel if following exist	a) <u>GO TO</u> Step 27.
	1) Projected onsite total absorbed dose equivalent I-131-GREATER THAN <u>10</u> Rem	
	<u>OR</u>	
	2) Actual onsite total absorbed dose equivalent I-131-GREATER THAN <u>10</u> Rem	
	b) Direct Radiological Assessment Director to implement EPIP-5.07, <u>Administration of Radioprotective Drugs</u>	

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY	01
		PAGE
		11 of 13

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
27.	<p>VERIFY EVENTS:</p> <p>a) Review EPIP-1.01, Attachment 1, <u>Emergency Action Levels</u>, <u>THEN, GO TO Step 27.b</u></p> <p>b) Insure additional events have <u>NOT</u> occurred</p>	<p>b) Initiate station APs, EPs, or EPIPs to address new events.</p> <p><u>AND</u></p> <p>Notify Radiological Assessment Director.</p> <p><u>AND</u></p> <p>Insure initiation of EPIP-2.01, <u>Notification of State and Local Governments</u> and EPIP-2.02, <u>Notification of NRC</u>.</p> <p>c) <u>IF</u> escalated, <u>GO TO</u> Step <u>30</u> of this procedure</p>
28.	<p>CHECK FOR TERMINATION:</p> <p>a) Verify EALs - <u>NOT</u> EXCEEDED</p> <p><u>AND</u></p> <p>b) Verify plant conditions - SAFE AND STABLE</p> <p><u>AND</u></p> <p>c) Onsite and offsite response personnel - <u>NOT</u> REQUIRED</p>	<p>a) <u>IF</u> EALs are still exceeded, <u>GO TO</u> Step <u>29</u>.</p> <p>b) Evaluate conditions and <u>GO TO</u> Step <u>7</u>.</p> <p>c) Continue monitoring activities and <u>GO TO</u> Step <u>29</u>.</p>

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY	01
		PAGE
		12 of 13

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
28.	(CONTINUED)	
	d) <u>GO TO</u> Step <u>31</u> for termination	
29.	CHECK FOR RECLASSIFICATION:	
	a) Step <u>27</u> indicates event severity - REDUCED	a) <u>GO TO</u> Step <u>7</u> of this instruction.
	b) Reclassify event and <u>GO TO</u> Step <u>30</u> for procedure termination	
30.	TERMINATE EPIP-1.04:	
	a) Verify Recovery Manager concurrence <u>IF</u> EOF activated	
	b) Close-Out	
	1) Initiate briefing of off-site authorities at EOF and by phone	
	2) Initiate written summary to offsite authorities within <u>8</u> hours	
	3) COMPLETED BY: _____	
	DATE: _____	
	TIME: _____	
	c) <u>GO TO</u> EPIP-1.01, <u>Emergency Manager Controlling Procedure</u> , Step <u>4</u>	

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.04	RESPONSE TO SITE AREA EMERGENCY	01
		PAGE
		13 of 13

STEP

ACTION/EXPECTED RESPONSE

RESPONSE NOT OBTAINED

30. (CONTINUED)

- d) Forward Completed EPIP-1.04, forms and other applicable records to Secretary SNSOC

31. EMERGENCY TERMINATION:

- a) Verify Recovery Manager concurrence IF EOF activated
- b) Close-Out
 - 1) Initiate briefing of offsite authorities at EOF and by phone
 - 2) Initiate written summary to offsite authorities within 8 hours
 - 3) COMPLETED BY: _____
 - DATE: _____
 - TIME: _____
- c) GO TO EPIP-1.01, Emergency Director Controlling Procedure, Step 8
- d) Forward completed EPIP-1.04, forms and other applicable records to Secretary SNSOC

END

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.05	RESPONSE TO GENERAL EMERGENCY (With 1 Attachment)	01
		PAGE 1 of 22

PURPOSE

1. To provide guidance to the Station Emergency Manager during the progress of a classified GENERAL emergency.

USER

Station Emergency Manager

ENTRY CONDITIONS

1. Entry From EPIP-1.01, Emergency Manager Controlling Procedure.

REVISION RECORD

REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82
REV. 01	PAGE(S): 1 of 22, 21 of 22 and 22 of 22	DATE: NOV 10 1983
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REV.	PAGE(S):	DATE:

APPROVAL RECOMMENDED

QC REVIEW

APPROVED

DATE

NOV 10 1983

CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-1.05	RESPONSE TO GENERAL EMERGENCY	01
		PAGE
		21 of 22

STEP

ACTION/EXPECTED RESPONSE

RESPONSE NOT OBTAINED

37. TERMINATE EPIP-1.05:

- a) Verify Recovery Manager concurrence IF EOF activated
- b) Close out
 - 1) Initiate briefing of off-site authorities at EOF and by phone
 - 2) Initiate written summary to offsite authorities within 8 hours
 - 3) COMPLETED BY: _____
 - DATE: _____
 - TIME: _____
- c) GO TO EPIP-1.01, Emergency Manager Controlling Procedure Step 6
- d) Forward completed EPIP-1.05, forms and other applicable records to Secretary SNSOC

38. EMERGENCY TERMINATION:

- a) Verify Recovery Manager concurrence IF EOF activated
- b) Close-Out
 - 1) Initiate briefing of offsite authorities at EOF and by phone

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-2.01	NOTIFICATION OF STATE AND LOCAL GOVERNMENTS (With 2 Attachments)	05
		PAGE 1 of 17

PURPOSE 1. To initially notify state and local governments of the declaration of an emergency; <u>AND</u> 2. To provide periodic status updates to state and local governments during an emergency; <u>AND</u> 3. To notify state and local governments of any change in emergency status.
--

USER Emergency Communicator or Station Emergency Manager.

ENTRY CONDITIONS Any <u>one</u> of the following: 1. Emergency is declared; <u>OR</u> 2. Approximately 30 minutes have passed since last notification; <u>OR</u> 3. The status of <u>any</u> notification item has changed; <u>OR</u> 4. Entry directed by Station Emergency Manager.
--

REVISION RECORD		
REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82
REV. 01	PAGE(S): 8 of 17	DATE: 09-02-82
REV. 02	PAGE(S): 1 of 17, 4 of 17, and 9 of 17	DATE: 02-03-83
REV. 03	PAGE(S): 1, 7 thru 15, Att. 1, pg. 1; Att. 2, pg. 2	DATE: 08-25-83
REV. 04	PAGE(S): 1, 5, 8, 12	DATE: 09-29-83
REV. 05	PAGE(S): 1 of 17 and 17 of 17	DATE: NOV 10 1983
REV.	PAGE(S):	DATE:

APPROVAL/RECOMMENDED  QC REVIEW 	APPROVED  CHAIRMAN STATION NUCLEAR SAFETY AND OPERATING COMMITTEE	DATE NOV 10 1983
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VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-2.02	NOTIFICATION OF NRC (With 2 Attachments)	01
		PAGE 1 of 8

PURPOSE

1. To initially notify the NRC of a declaration of an emergency;
AND
2. To provide a supplemental status report to the NRC.

USER

Emergency Communicator OR Station Emergency Manager.

ENTRY CONDITIONS

Any one of the following:

1. Emergency is declared;

OR

2. Entry directed by Station Emergency Manager.

REVISION RECORD

REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82
REV. 01	PAGE(S): 1 & 8 of 8; att. 1, pg. 1; att. 2, pg. 1	DATE: NOV 10 1983
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REV.	PAGE(S):	DATE:

APPROVAL RECOMMENDED

J. M. Cal

QC REVIEW

B. L. Senter

APPROVED

R. J. Saunders

CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

DATE

NOV 10 1983

NUMBER	PROCEDURE TITLE	REVISION
EPIP-2.02	NOTIFICATION OF NPC (With 2 Attachments)	01
		PAGE 8 of 8

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
23.	(CONTINUED) 1) <u>GO TO</u> Step 22	
24.	CLOSE DOWN COMMUNICATIONS WITH NRC: a) Request permission from NRC to close down communication channel with them b) When permission is granted, secure telephone	a) <u>IF NOT</u> granted, remain on line until permission is granted, <u>THEN GO TO</u> Step 25.
25.	TERMINATE EPIP-2.02: a) Completed By: _____ Time: _____ Date: _____ b) Forward completed EPIP-2.02, forms and other applicable records to Secretary SNSOC	
END		

NUMBER EPIP-2.02	ATTACHMENT TITLE INITIAL REPORT OF EMERGENCY TO THE NRC	REVISION 01
ATTACHMENT 1		PAGE 1 of 2

This is Surry Power Station. In accordance with the requirements of 10 CFR 50.72, I have an initial report of an emergency event to transmit. Please inform me when you are ready to copy. (Proceed when informed.)

1. The time is _____. The date is ____/____/____. The facility is Surry Power Station.

2. My name is _____.

☐ Notification of Unusual Event

3. The event is ☐ Alert classified at _____ on ____/____/____.
(24 hr. time) (date)

☐ Site Area Emergency

☐ General Emergency

4. Event description is (check all applicable):

☐ Radiological release event

☐ Contaminated, injured personnel

☐ Natural event

☐ Plant system malfunction

☐ Security incident

☐ (Other) _____

☐ Fire

☐ Hazard to station operation

5. Cause of the event was (brief description) _____

6. Unit 1 power level prior to the event was _____% Unit 2 power level prior to the event was _____%.

7. Unit 1 power level now is _____% Unit 2 power level now is _____%.

8. Unit 1 Safety Injection ☐ has NOT occurred; Unit 2 Safety Injection ☐ has NOT occurred.

☐ has

☐ has

9. Unit 1 cooling mode is ☐ forced circulation; Unit 2 cooling mode is ☐ forced circulation.

☐ natural

☐ natural

NUMBER EPIP-2.02	ATTACHMENT TITLE SUPPLEMENTAL REPORT OF EMERGENCY TO THE NRC	REVISION 01
ATTACHMENT 2		PAGE 1 of 5

This is Surry Power Station. I have a supplemental report on our emergency event to transmit. Please inform me when you are ready to copy. (Proceed when informed.)

A. EMERGENCY STATUS

1. The facility is Surry Power Station. My name is _____ . The time is _____
(24 hr. time)

☐ Notification of Unusual Event

☐ Alert

2. The event classification is ☐ Site Area Emergency classified at time _____ on _____ / _____ / _____
(24 hr. time) (date)

☐ General Emergency

☐ Emergency terminated

3. Event description is (check all applicable)

- ☐ Radiological release event (If checked, complete Sections B,C, and J below.)
- ☐ Plant system malfunction (If checked, complete Sections B,D, and J below.)
- ☐ Fire (If checked, complete Sections B,E, and J below.)
- ☐ Contaminated, injured personnel (If checked, complete Sections B,F, and J below.)
- ☐ Security incident (If checked, complete Sections B,G, and J below.)
- ☐ Hazard to station operation (If checked, complete Sections B,H, and J below.)
- ☐ Natural event (If checked, complete Sections B,I, and J below.)
- ☐ (Other, If checked, briefly describe here and complete Sections B and J below.) _____

B. ACTIONS TAKEN OR PLANNED

1. We have taken the following actions (check all applicable)

- ☐ Notified State and local governments
- ☐ Notified the NRC Resident Inspector
- ☐ Activated company emergency personnel and facilities
- ☐ Dispatched station monitoring teams offsite
- ☐ Evacuated nonessential site personnel
- ☐ Requested offsite Fire Dept. assistance
- ☐ Requested offsite Rescue Squad assistance
- ☐ Requested offsite law enforcement assistance
- ☐ None
- ☐ (Other) _____

2. We plan to take the following actions (check all applicable)

- ☐ Notify the NRC Resident Inspector
- ☐ Activate company emergency personnel and facilities
- ☐ Dispatch station monitoring teams offsite
- ☐ Evacuate nonessential site personnel
- ☐ Request offsite Fire Dept. assistance
- ☐ Request offsite Rescue Squad assistance
- ☐ Request offsite law enforcement assistance
- ☐ None
- ☐ (Other) _____

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-3.01	CALLOUT OF EMERGENCY RESPONSE PERSONNEL (With 1 Attachment)	08
		PAGE 1 of 3

PURPOSE

1. To callout station AND corporate emergency response personnel if they are not already at their normal work locations.

USER

Security Team Leader OR Station Emergency Manager

ENTRY CONDITIONS

1. Initiation directed by the Station Emergency Manager.

REVISION RECORD

REV. 02	PAGE(S):	Page 1 of 3 and Attachment 1, Page 2 of 6	DATE:	02-03-83
REV. 03	PAGE(S):	1 of 3 & Att.1 Pg. 1 of 6, 2 of 6, 3 of 6	DATE:	03-10-83
REV. 04	PAGE(S):	1 of 3, Att. 1 Pg. 1 of 6 and 2 of 6	DATE:	03-11-83
REV. 05	PAGE(S):	1 of 3, Att. 1 Pg. 3 of 6 and 4 of 6	DATE:	04-15-83
REV. 06	PAGE(S):	1 of 3, Att. 1 Pg. 2 of 6	DATE:	06-17-83
REV. 07	PAGE(S):	1, att. 1 pg. 3, 4	DATE:	09-29-83
REV. 08	PAGE(S):	1, 3; Att. 1, pgs. 2, 4 and 5	DATE:	NOV 10 1983

APPROVAL RECOMMENDED

W. L. Hunter, Jr.
QC REVIEW
W. L. Hunter, Jr.

APPROVED

R. T. Saunders
CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

DATE

NOV 10 1983

NUMBER	PROCEDURE TITLE	REVISION
EPIP-3.01	CALLOUT OF EMERGENCY RESPONSE PERSONNEL	08
		PAGE 3 of 3

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
4.	RECORD TIME CALLOUT COMPLETED: a) Callout of above departments completed at (time)	
5.	INFORM STATION EMERGENCY MANAGER TIME CALLOUT COMPLETED:	
6.	TERMINATE EPIP-3.01: a) Close-Out 1) COMPLETED BY: _____ TIME: _____ DATE: _____ b) Forward completed EPIP-3.01, forms and other applicable records to Secretary SNSOC	
	END	

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-3.01	EMERGENCY PERSONNEL NOTIFICATION LIST	08
ATTACHMENT		PAGE
1		2 of 6

4. HEALTH PHYSICS DEPARTMENT

MESSAGE: "This is Security at Surry Power Station. An emergency has been declared. Commence callout of emergency response personnel in your department in accordance with your departmental emergency notification list.

<u>NAME</u>	<u>EXT.</u>	<u>TELEPHONE NUMBER</u>
S. P. Sarver	248	9-357-6571
P. P. Nottingham	247	9-238-2189
Barry Garber	508	9-1-596-6428
Dean Densmore	263	9-357-7313

5. TECHNICAL SERVICES DEPARTMENT

Message: "This is Security at Surry Power Station. An emergency has been declared. Commence callout of emergency response personnel in your department in accordance with your departmental emergency notification list."

<u>NAME</u>	<u>EXT.</u>	<u>TELEPHONE NUMBER</u>
M. R. Kansler	275	9-1-226-9304 Beeper 83 or 9-1-(629-7761)
Alan Price	280	9-357-6731
Douglas Rickeard	288	9-357-2371
Larry Curfman	283	9-238-3244
John Horhutz	462	9-1-294-3236
George Pitonyak	293	9-238-2942
Rick Bailey	290	9-357-3320
Tom Swindell	243	9-1-484-1879
Larry Miller	246	9-1-483-2213

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-3.01	EMERGENCY PERSONNEL NOTIFICATION LIST	08
ATTACHMENT		PAGE
1		4 of 6

8. ADMINISTRATIVE SERVICES DEPARTMENT

MESSAGE: "This is Security at Surry Power Station. An emergency has been declared. Commence callout of emergency response personnel in your department in accordance with your departmental emergency notification list."

<u>NAME</u>	<u>EXT.</u>	<u>TELEPHONE NUMBER</u>
W. R. Runner	358	9-1-541-0779
E. P. DeWandel	217	9-1-420-6064
F. M. Cox	393	9-357-5070
Luther Farinholt	359	9-1-294-3063
B. B. McDuffie	377	9-1-595-2569

9. QUALITY CONTROL DEPARTMENT

MESSAGE: "This is Security at Surry Power Station. An emergency has been declared. Commence callout of emergency response personnel in your department in accordance with your departmental emergency notification list."

<u>NAME</u>	<u>EXT.</u>	<u>TELEPHONE NUMBER</u>
Richard Driscoll	259	9-1-340-2167
Frank Rentz	257	9-357-5509
Dean Grady	256	9-1-294-3073
Rich Huebner	253	9-1-495-3469

NUMBER	ATTACHMENT TITLE	REVISION
EPIP-3.01	EMERGENCY PERSONNEL NOTIFICATION LIST	08
ATTACHMENT		PAGE
1		5 of 6

10. TRAINING DEPARTMENT

MESSAGE: "This is Security at Surry Power Station. An emergency has been declared. Commence callout of emergency response personnel in your department in accordance with your departmental emergency notification list."

<u>NAME</u>	<u>EXT.</u>	<u>TELEPHONE NUMBER</u>
Larry Edmonds	270	9-1-484-6479
O. A. Vogtsberger	271	9-1-838-3862
H. McCallum	303	9-1-596-2361
L. Gardner	306	9-1-483-2624

11. NRC

MESSAGE: "This is Security at Surry Power Station. This message is to inform you that an emergency has been declared at the station."

<u>NAME</u>	<u>EXT</u>	<u>TELEPHONE NUMBER</u>
Don Burke	203	9-1-229-4055
Mike Davis	203	9-1-484-0705

12. TERMINATE ATTACHMENT 1:

a) Close-Out

1) COMPLETED BY: _____

DATE: _____

TIME: _____

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-3.02	ACTIVATION OF TECHNICAL SUPPORT CENTER (With 10 Attachments)	03 PAGE 1 of 8

PURPOSE

1. To provide guidance to personnel charged with TSC Activation.
2. To provide guidance to TSC members.

USER

Emergency Administrative Director OR Available TSC Personnel

ENTRY CONDITIONS

1. Declaration of Alert, Site Area Emergency or General Emergency;
AND
2. Entry from another EPIP;
OR
3. Direction of Station Emergency Manager.

REVISION RECORD

REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82
REV. 01	PAGE(S): Page 1 of 8, and 2 of 8	DATE: 10-07-82
REV. 02	PAGE(S): Page 1 of 8, Attachment 3 Page 1 of 3	DATE: 02-24-83
REV. 03	PAGE(S): 1 of 8 & 8 of 8; Att. 4, pgs. 1, 2 & 3	DATE: NOV 10 1983
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:

APPROVAL RECOMMENDED

[Signature]
QC REVIEW
[Signature]

APPROVED

[Signature]
CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

DATE

NOV 10 1983

NUMBER	PROCEDURE TITLE	REVISION
EPIP-3.02	ACTIVATION OF TECHNICAL SUPPORT CENTER	03
		PAGE 8 of 8

STEP

ACTION/EXPECTED RESPONSE

RESPONSE NOT OBTAINED

15. (CONTINUED)

- c) Verify completion of all attachments
- d) Forward completed EPIP-3.02, forms and other applicable records to Secretary SNSOC
- e) Return TSC equipment to appropriate storage locations

END

NUMBER EPIP-3.02	ATTACHMENT TITLE EMERGENCY TECHNICAL DIRECTOR GUIDELINES	REVISION 03
ATTACHMENT 4		PAGE 1 of 3

STEP	* ACTION/EXPECTED RESPONSE	* RESPONSE NOT OBTAINED
1.	INITIATE EPIP-3.02, ATTACHMENT 4:	
	a) BY: _____	
	DATE: _____	
	TIME: _____	
2.	ORGANIZATION:	
	a) Verify Technical Support Team:	*Obtain necessary personnel
	1) Engineering Supervisor	
	2) SES Engineer	
	3) Reactor Engineer	
	4) Engineer (Mechanical)	
	5) Engineer (Electrical)	
	b) Verify Chemistry Team	
	c) Verify Instrument personnel in OSC	
3.	NOTIFICATION	
	a) Notify NSSS Vendor Jack Headden - 9-1-229-1911	
4.	ACTIVITIES:	
	a) Direct the activities of the following:	
	1) Technical Support Team	
	2) Chemistry Team	

NUMBER EPIP-3.02	ATTACHMENT TITLE EMERGENCY TECHNICAL DIRECTOR GUIDELINES	REVISION 03
ATTACHMENT 4		PAGE 2 of 3

STEP * ACTION/EXPECTED RESPONSE * RESPONSE NOT OBTAINED

5. ENGINEERING ANALYSIS:

a) Analyze and aid in development of solutions to problems in the following areas of expertise:

- 1) Engineering
- 2) Reactor Physics
- 3) Instrumentation and Control
- 4) Chemistry

6. SUPPORT:

a) Provide Technical Support to the Station Emergency Manager

7. PROCEDURES:

a) Assist in the development of any temporary procedures required for conducting emergency actions

8. NRC INTERFACE:

a) Interface with NRC and aid in resolution of questions concerning license requirements

NUMBER EPIP-3.02	ATTACHMENT TITLE EMERGENCY TECHNICAL DIRECTOR GUIDELINES	REVISION 03
ATTACHMENT 4		PAGE 3 of 3

STEP	* ACTION/EXPECTED RESPONSE	* RESPONSE NOT OBTAINED
9.	RELIEF: a) Assure suitable arrangements for relief of: 1) Technical Support Team 2) Chemistry Team 3) On-Duty STA 4) Instrumentation Members of OSC 5) Emergency Technical Director Position	
10.	TERMINATE ATTACHMENT 4: a) Verify TSC - DEACTIVATED <u>OR</u> Personnel - RELIEVED b) Close-out 1) COMPLETED BY: _____ DATE: _____ TIME: _____ c) Affix this Attachment 4 to EPIP-3.02	a) Return to previous steps of this Attachment 4 for reference.
		END

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-3.03	ACTIVATION OF OPERATIONAL SUPPORT CENTER (With 1 Attachment)	01
		PAGE 1 of 4

PURPOSE

1. To provide guidance to personnel charged with activation of the OSC.

USER

Operational Support Center Director

ENTRY CONDITIONS

1. Declaration of an Alert, Site Area Emergency or General Emergency;
AND
2. Entry from other EPIPs;
OR
3. Direction of the Station Emergency Manager.

REVISION RECORD

REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82
REV. 01	PAGE(S): 1 of 4, 2 of 4 and 4 of 4	DATE: NOV 10 1983
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:

APPROVAL RECOMMENDED

QC REVIEW

APPROVED

DATE

CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

NOV 10 1983

NUMBER	PROCEDURE TITLE	REVISION
EPIP-3.03	ACTIVATION OF OPERATIONAL SUPPORT CENTER	01
		PAGE 2 of 4

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
1.	INITIATE EPIP-3.03: a) BY: _____ DATE: _____ TIME: _____	
2.	LOCATION: a) Verify SPS Maintenance Bldg. - HABITABLE b) Proceed to primary OSC located in the 3rd floor conference room of the Maintenance Bldg.	a) Proceed to alternate OSC location in the Emergency Switchgear Room
3.	COMMUNICATION: a) Via the dedicated PBX telephone, declare OSC location to Station Emergency Manager	
4.	ACCOUNTABILITY: a) Maintain a listing of personnel as they report to the OSC b) Enter names of personnel in appropriate space on EPIP-3.03, Attachment 1 c) Report names of OSC personnel to Security for accountability	
5.	EMERGENCY KIT: a) Verify emergency kit in OSC	a) <u>IF NOT</u> , dispatch personnel to Station Control Room to obtain Emergency Kit for delivery to OSC.

NUMBER	PROCEDURE TITLE	REVISION
EPIP-3.03	ACTIVATION OF OPERATIONAL SUPPORT CENTER	00
		PAGE 3 of 4

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
6.	NOTIFICATION: a) Notify the Station Emergency Manager of OSC activation and relay the following: 1) Number of personnel in each classification 2) Supervisors/Foremen present	
7.	PERSONNEL: a) Assure personnel check in when reporting to OSC b) Assure personnel check out when leaving OSC c) Maintain updated listing of personnel on Attachment 1 for accountability d) Notify Station Emergency Manager on significant manning changes	
8.	DISPATCHING: a) Dispatch personnel as required by Station Emergency Manager or his designees	
9.	STATUS: a) Verify emergency status in effect b) <u>GO TO</u> Step <u>7</u>	a) <u>IF</u> emergency <u>NOT</u> in effect <u>GO TO</u> Step <u>10</u> .

NUMBER	PROCEDURE TITLE	REVISION
EPIP-3.03	ACTIVATION OF OPERATIONAL SUPPORT CENTER	01
		PAGE 4 of 4

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
10.	<p>TERMINATE EPIP-3.03:</p> <ul style="list-style-type: none">a) On direction of Station Manager deactivate the OSCb) Direct personnel in OSC to return to normal station organizationc) Close-Out<ul style="list-style-type: none">1) COMPLETED BY: _____DATE: _____TIME: _____d) Forward Completed EPIP-3.03, forms and other applicable records to Secretary SNSOC	
END		

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-3.04	ACTIVATION OF EMERGENCY OPERATIONS FACILITY (With No Attachments)	02
		PAGE 1 of 3

PURPOSE

1. To provide guidance to personnel performing initial activation of EOF.

USER

One (1) Security Team member

ENTRY CONDITIONS

1. Declaration of an Alert, Site Area Emergency or General Emergency;
AND
2. Direction of the Station Emergency Manager through the on-duty Security Shift Supervisor.

REVISION RECORD

REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82
REV. 01	PAGE(S): 2 of 3	DATE: 10-07-82
REV. 02	PAGE(S): 1 of 3 and 3 of 3	DATE: NOV 10 1983
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:

APPROVAL RECOMMENDED

W. K. ...
QC REVIEW
...

APPROVED

A. Saunders
CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

DATE

NOV 10 1983

NUMBER	PROCEDURE TITLE	REVISION
EPIP-3.04	ACTIVATION OF EMERGENCY OPERATIONS FACILITY	01
		PAGE 2 of 3

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
1.	INITIATE EPIP-3.04: a) BY: _____ DATE: _____ TIME: _____	
2.	ENTRANCE: a) Obtain door key to SPS simulator building from Security Shift Supervisor	
3.	MATERIALS: a) Obtain key to EOF Emergency Cabinet from Security Shift Supervisor b) Locate Emergency Cabinet in Simulator Room (behind control board) and unlock it c) Remove easels (3), status boards (3) and maps and set up around Recovery Manager's desk	
4.	SECURITY: a) Maintain physical control of EOF and Simulator Building until relieved by Vepco Corporate Security personnel	

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-4.09	SOURCE TERM ASSESSMENT (With 4 Attachments)	04
		PAGE
		1 of 10

PURPOSE

Provide guidance and data to Dose Assessment Team to more accurately predict offsite releases.

USER

Dose Assessment Team Members.

ENTRY CONDITIONS

Upon activation of EPIP-4.03, Dose Assessment Controlling Procedure.

REVISION RECORD

REV. 00	PAGE(S):	Entire Procedure	DATE:	07-29-82
REV. 01	PAGE(S):	1, 3, 4, 5, 6, Att. 1 Page 1	DATE:	03-03-83
REV. 02	PAGE(S):	1 of 10 through 10 of 10 & Attachment 4	DATE:	09-23-83
REV. 03	PAGE(S):	1, Att. 3 page 1, Att. 4 pages 1, 2, 3	DATE:	09-29-83
REV. 04	PAGE(S):	1 of 10; Att. 3, pg.1; Att. 4, pg. 1	DATE:	NOV 10 1983
REV.	PAGE(S):		DATE:	
REV.	PAGE(S):		DATE:	

APPROVAL RECOMMENDED

QC REVIEW

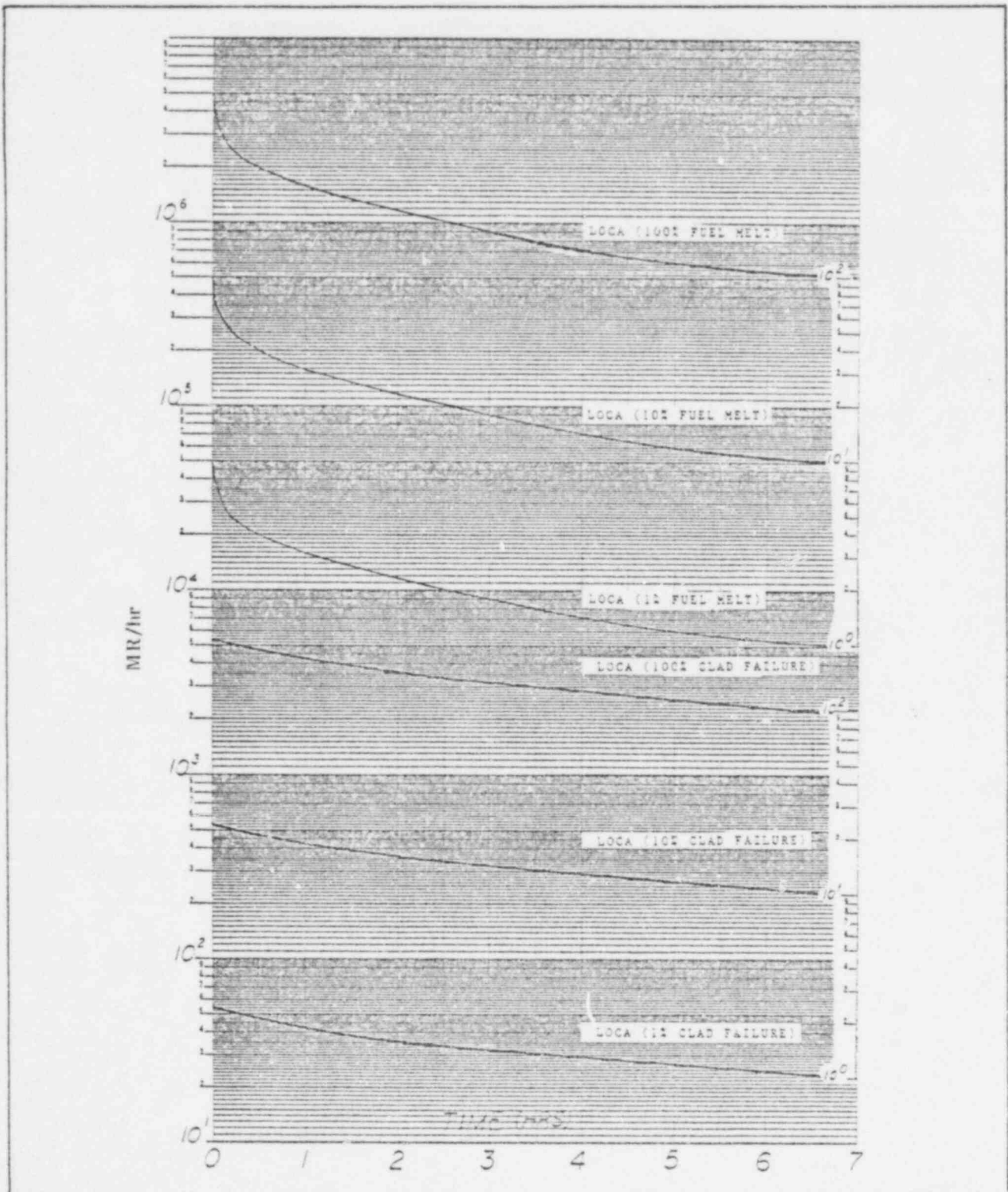
APPROVED

DATE

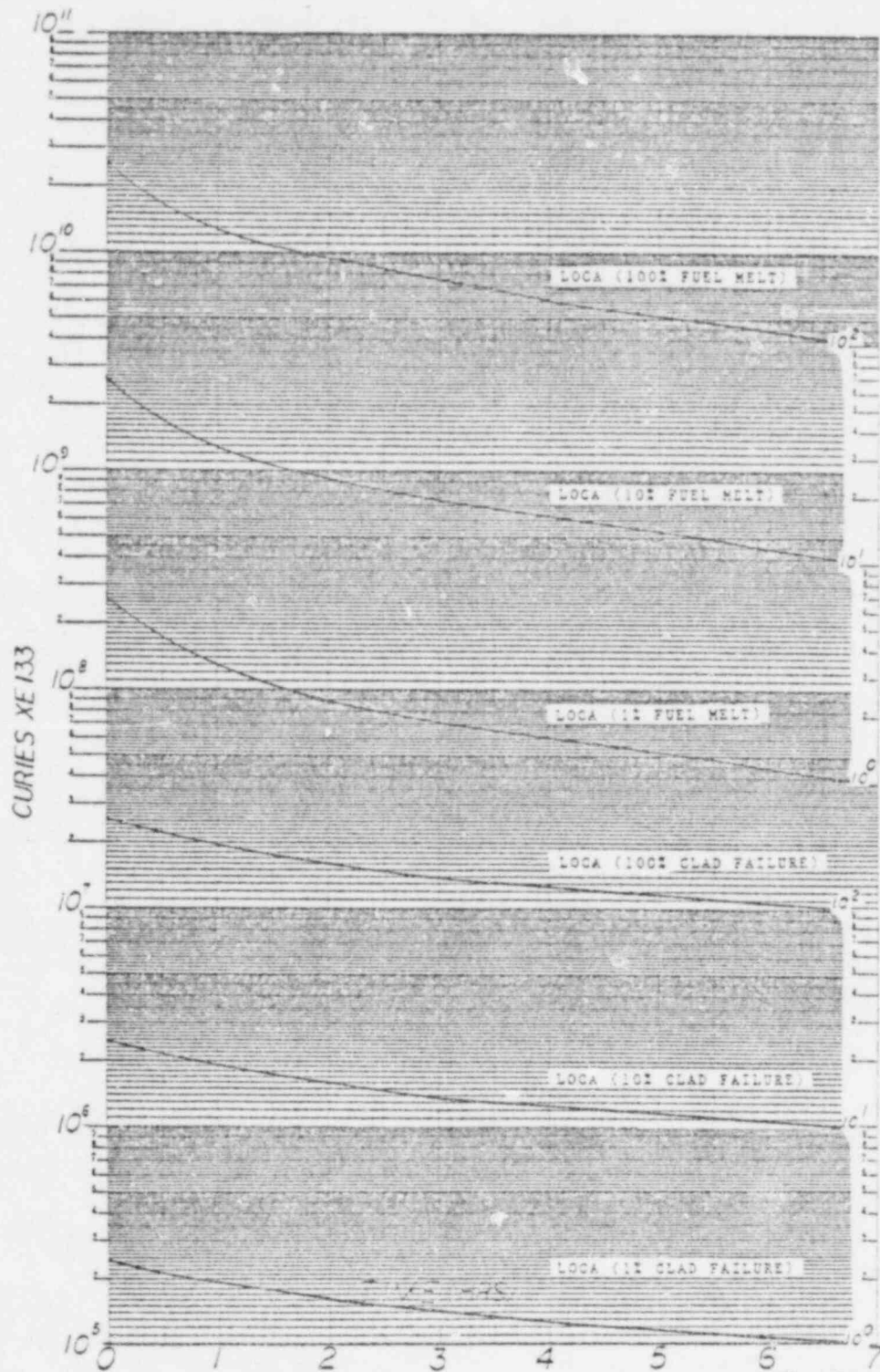
NOV 10 1983

CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

NUMBER EPIP-4.09	ATTACHMENT TITLE CONTAINMENT HIGH RANGE MONITOR (PERSONNEL HATCH)	REVISION 04
ATTACHMENT 3		PAGE 1 of 1

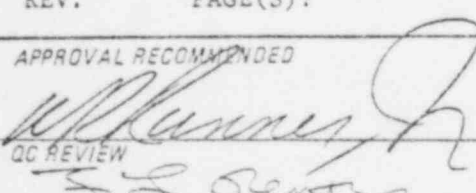
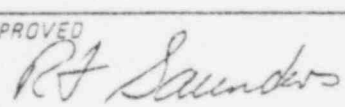
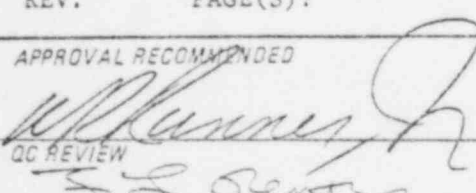
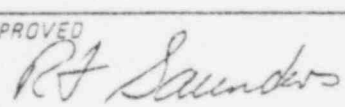
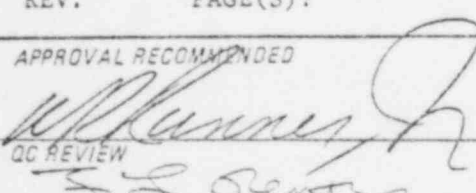
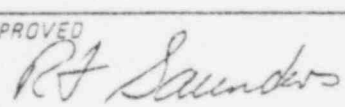


NUMBER EPIP-4.09	ATTACHMENT TITLE EQUIVALENT CURIES XE-133	REVISION 04
ATTACHMENT 4		PAGE 1 of 2



VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-5.02	SEARCH AND RESCUE (With No Attachments)	01
		PAGE 1 of 5

<p>PURPOSE</p> <p>To insure that search and rescue operations are performed.</p>																		
<p>USER</p> <p>Search and Rescue Team.</p>																		
<p>ENTRY CONDITIONS</p> <p>Any one of the following conditions exist:</p> <ol style="list-style-type: none"> 1. Activation by another EPIP; <p style="text-align: center;"><u>OR</u></p> <ol style="list-style-type: none"> 2. EPIP-5.03, <u>Personnel Accountability</u> has been initiated and all personnel within the protected area are not accounted for; <p style="text-align: center;"><u>OR</u></p> <ol style="list-style-type: none"> 3. Any time deemed necessary by the Station Emergency Manager. 																		
<p>REVISION RECORD</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">REV. 00</td> <td style="width: 55%;">PAGE(S): Entire Procedure</td> <td style="width: 30%;">DATE: 07-29-82</td> </tr> <tr> <td>REV. 01</td> <td>PAGE(S): 1 of 5, 2 of 5 and 5 of 5</td> <td>DATE: NOV 10 1983</td> </tr> <tr> <td>REV.</td> <td>PAGE(S):</td> <td>DATE:</td> </tr> <tr> <td>REV.</td> <td>PAGE(S):</td> <td>DATE:</td> </tr> <tr> <td>REV.</td> <td>PAGE(S):</td> <td>DATE:</td> </tr> <tr> <td>REV.</td> <td>PAGE(S):</td> <td>DATE:</td> </tr> </table>	REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82	REV. 01	PAGE(S): 1 of 5, 2 of 5 and 5 of 5	DATE: NOV 10 1983	REV.	PAGE(S):	DATE:	REV.	PAGE(S):	DATE:	REV.	PAGE(S):	DATE:	REV.	PAGE(S):	DATE:
REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82																
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<table style="width: 100%; border: none;"> <tr> <td style="width: 45%; vertical-align: top;"> <p>APPROVAL RECOMMENDED</p> <div style="text-align: center;">  S. L. O'Leary </div> <p><small>QC REVIEW</small></p> </td> <td style="width: 45%; vertical-align: top;"> <p>APPROVED</p> <div style="text-align: center;">  R. T. Saunders <small>CHAIRMAN STATION NUCLEAR SAFETY AND OPERATING COMMITTEE</small> </div> </td> <td style="width: 10%; vertical-align: top;"> <p>DATE</p> <p>NOV 10 1983</p> </td> </tr> </table>	<p>APPROVAL RECOMMENDED</p> <div style="text-align: center;">  S. L. O'Leary </div> <p><small>QC REVIEW</small></p>	<p>APPROVED</p> <div style="text-align: center;">  R. T. Saunders <small>CHAIRMAN STATION NUCLEAR SAFETY AND OPERATING COMMITTEE</small> </div>	<p>DATE</p> <p>NOV 10 1983</p>															
<p>APPROVAL RECOMMENDED</p> <div style="text-align: center;">  S. L. O'Leary </div> <p><small>QC REVIEW</small></p>	<p>APPROVED</p> <div style="text-align: center;">  R. T. Saunders <small>CHAIRMAN STATION NUCLEAR SAFETY AND OPERATING COMMITTEE</small> </div>	<p>DATE</p> <p>NOV 10 1983</p>																

NUMBER	PROCEDURE TITLE	REVISION
EPIP-5.02	SEARCH AND RESCUE	01
		PAGE 2 of 5

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
1.	INITIATE EPIP-5.02:	
	a) BY: _____	
	DATE: _____	
	TIME: _____	
2.	VERIFY ACCOUNTABILITY COMPLETED:	
	a) Alert, Site Area Emergency or General Emergency has been declared	a) <u>IF</u> Alert, Site Area Emergency or General Emergency <u>NOT</u> declared <u>GO TO</u> Step <u>2C</u> .
	b) Obtain results of accountability from Station Emergency Manager	
	c) Determine number of missing personnel	
	d) Attempt to identify last known location of missing individual(s)	
3.	ASSESS HAZARDS:	
	a) Determine radiological hazards	
	b) Determine other hazards	
	1) Toxic gases	
	2) High pressure steam	
	3) Structural damage	
	4) Electrical	
	5) Natural events	

NUMBER	PROCEDURE TITLE	REVISION
EPIP-5.02	SEARCH AND RESCUE	00
		PAGE
		3 of 5

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
4.	<p>OBTAIN THE FOLLOWING EQUIPMENT PRIOR TO BEGINNING SEARCH AND RESCUE:</p> <ul style="list-style-type: none"> a) Appropriate protective clothing b) Appropriate respiratory protection c) Appropriate personal dosimetry d) Appropriate radiation survey meter e) First aid kit 	
5.	ESTABLISH AND MAINTAIN COMMUNICATIONS WITH STATION EMERGENCY MANAGER	
6.	<p>LOCATE MISSING PERSONNEL:</p> <ul style="list-style-type: none"> a) Preplan routes b) Perform Search and Rescue actions 	

<p>CAUTION: Exercise care not to aggravate any injury. Radiological conditions are considered secondary to immediate medical treatment of severe injury unless acute radiation hazard for casualty exceeds injury hazard.</p>		

NUMBER	PROCEDURE TITLE	REVISION
EPIP-5.02	SEARCH AND RESCUE	00
		PAGE
		4 of 5

STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
8.	ADMINISTER FIRST AID:	
	a) <u>IF</u> required, administer First Aid IAW normal First Aid practice	
	1) Insure breathing	
	2) Insure stoppage of exces- sive bleeding	
	3) Request First Aid Team	
9.	REMOVE INJURED PERSONNEL TO SAFE AREA:	
10.	REPORT TO STATION EMERGENCY MANAGER:	
	a) Name of individual(s)	
	b) Badge number of indivi- dual(s)	
	c) TLD number of individual(s)	
	d) Location individual(s)	
	e) Condition of individual(s)	
11.	VERIFY ALL PERSONNEL ACCOUNTED FOR:	
	a) Contact Station Emergency Manager	
	b) All personnel accounted for	b) <u>GO TO</u> Step <u>2.c</u>

NUMBER	PROCEDURE TITLE	REVISION
EPIP-5.02	SEARCH AND RESCUE	01
		PAGE
		5 of 5

STEP

ACTION/EXPECTED RESPONSE

RESPONSE NOT OBTAINED

12. TERMINATE EPIP-5.02:

a) Close-Out

1) COMPLETED BY: _____

DATE: _____

TIME: _____

b) Forward completed EPIP-5.02,
forms and other applicable
records to Secretary SNSOC

END

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-5.03	PERSONNEL ACCOUNTABILITY (With 1 Attachment)	04
		PAGE
		1 of 7

PURPOSE

1. To determine the personnel who are inside the protected area and unaccounted for within 30 minutes following declaration of Site Emergency, or General Emergency.
2. To provide a periodically updated list of all personnel inside the protected area.

USER

Security Team Leader.

ENTRY CONDITIONS

Any one of the following:

1. Activation by another EPIP;

OR

2. Declaration of a Site Area Emergency, or General Emergency;

OR

3. Any time deemed necessary by the Station Emergency Manager.

REVISION RECORD

REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82
REV. 01	PAGE(S): 1 of 7, 2 of 7, 6 of 7	DATE: 02-24-83
REV. 02	PAGE(S): 1 of 7, 2 of 7; Att. 1, pg. 1, 2 & 3	DATE: 08-15-83
REV. 03	PAGE(S): 1, 2, 3, Att. 1, pg. 2, 3	DATE: 09-29-83
REV. 04	PAGE(S): 1 of 7 and 7 of 7	DATE: NOV 10 1983
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:

APPROVAL RECOMMENDED

QC REVIEW

APPROVED

CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

DATE

NOV 10 1983

NUMBER	PROCEDURE TITLE	REVISION
EPIP-5.03	PERSONNEL ACCOUNTABILITY	04
		PAGE
		7 of 7

[illegible]

END

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURE

NUMBER	PROCEDURE TITLE	REVISION
EPIP-5.08	DAMAGE CONTROL GUIDELINE (With 2 Attachments)	01
		PAGE 1 of 11

PURPOSE

- 1) To provide guidance to the Emergency Maintenance Director and Damage Control Team Leader during progress of an emergency.
- 2) To define and evaluate tasks.

USFR

Emergency Maintenance Director

ENTRY CONDITIONS

1. Declaration of an Alert, Site Area Emergency or General Emergency;
AND
2. Entry from other EPIPs;
OR
3. Direction of the Station Emergency Manager.

REVISION RECORD

REV. 00	PAGE(S): Entire Procedure	DATE: 07-29-82
REV. 01	PAGE(S): 1 of 11 and 11 of 11	DATE: NOV 10 1993
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:
REV.	PAGE(S):	DATE:

APPROVAL RECOMMENDED

QC REVIEW

APPROVED

DATE

W. H. Hunter, Jr.

E. J. Owens

R. F. Saunders

CHAIRMAN STATION NUCLEAR SAFETY
AND OPERATING COMMITTEE

NOV 10 1993

<p>NUMBER</p> <p>EPIP-5.08</p>	<p>PROCEDURE TITLE</p> <p>DAMAGE CONTROL GUIDELINE</p>	<p>REVISION</p> <p>01</p> <p>PAGE</p> <p>11 of 11</p>
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STEP	ACTION/EXPECTED RESPONSE	RESPONSE NOT OBTAINED
22.	(CONTINUED)	
	d) Close-Out	
	1) COMPLETED BY: _____	
	DATE: _____	
	TIME: _____	
	e) Forward completed EPIP-5.08, forms and other applicable records to Secretary SNSOC	
	END	