

FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT UNIT NO. 1
EMERGENCY PLAN IMPLEMENTING PROCEDURE
#3100022E, REV. 11

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1.0 TITLE:

CLASSIFICATION OF EMERGENCIES

2.0 APPROVAL:

Reviewed by Facility Review Group August 8, 1975
Approved by K. N. Harris Plant Manager August 19 75

Revision 8 Reviewed by Facility Review Group March 20 + 25 1981
Approved by *[Signature]* V.P. Pwr. Res. March 26 1981

Revision 9 Reviewed by Facility Review Group May 28 1981
Approved by *[Signature]* V.P. Pwr. Res. June 2, 1981

Revision 10 Reviewed by FRG JANUARY 28 1982.
Approved by *[Signature]* Dir., Nucl. Energy 2-1 1982.

Revision 11 Reviewed by FRG March 11 1982.
Approved by *[Signature]* V.P. Nucl. Energy 4-7 1982.

3.0 SCOPE:3.1 Purpose

This procedure provides instructions on the classification of emergencies at St. Lucie Plant.

3.2 Discussion

In order of increasing seriousness, these are:

- Unusual event
- Alert
- Site area emergency
- General emergency

A gradation is provided to assure fuller response preparations for more serious conditions.

3.3 Authority

This procedure implements the St. Lucie Plant Emergency Plan.

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3.0 SCOPE: (Continued)

3.4 Definitions

- 3.4.1 Unusual Event - This classification is represented by Off-normal events or conditions at the plant for which no significant degradation of the level of safety of the plant has occurred or is expected. Any releases of radioactive material which may have occurred or which may be expected are minor and constitute no appreciable health hazard.
- 3.4.2 Alert - This classification is represented by events which involve an actual or potential substantial degradation of the level of safety of the plant combined with a potential for limited uncontrolled releases of radioactivity from the plant.
- 3.4.3 Site Area Emergency - This classification is composed of events which involve actual or likely major failures of plant functions needed for protection of the public combined with a potential for significant uncontrolled releases of radioactivity from the plant.
- 3.4.4 General Emergency - This classification is composed of events which involve actual or imminent substantial core degradation and potential loss of containment integrity combined with a likelihood of significant uncontrolled releases of radioactivity from the plant.

4.0 Precautions

4.1 Conflicting Information

When apparently conflicting information is available, the condition shall be classified at the most serious level indicated.

4.2 Judgmental Decision

If, in the judgment of the Nuclear Plant Supervisor (Emergency Coordinator), a situation is more serious than indicated by instrument readings or other parameters, the emergency condition shall be classified at the more serious level.

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5.0 Responsibilities

5.1 Plant Personnel

All plant personnel are required to promptly report the existence of an emergency condition to the Nuclear Plant Supervisor by the fastest means possible.

5.2 Nuclear Plant Supervisor

5.2.1 The Nuclear Plant Supervisor shall promptly classify abnormal situations into one of the four defined categories.

5.2.2 If the diagnosis indicates that the condition is classified as an Alert, Site Area Emergency, or General Emergency the Nuclear Plant Supervisor shall declare an emergency.

5.2.3 If an emergency has been declared the Nuclear Plant Supervisor shall become the Emergency Coordinator and retain this position until relieved.

6.0 References:

6.1 St. Lucie Plant Radiological Emergency Plan

6.2 E-Plan Implementing Procedure 3100029E, Duties of Individual Discovering Emergency Condition

6.3 E-Plan Implementing Procedure 3100021E, Duties of Emergency Coordinator

7.0 Records and Notification

The basis for classifying an emergency condition shall be recorded.

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8.0 Instructions:

- 8.1 The Nuclear Plant Supervisor shall initially classify a situation as soon as possible after becoming aware of the situation. The classification shall be made on the basis of readily available observations and/or calculations and should not rely on sampling and laboratory analysis.

NOTE: Within 15 minutes after the initial classification, the state and/or local agencies listed in the appropriate check list in EPIP 3100031E shall be notified.

- 8.2 If subsequent information of a more detailed nature (e.g. sampling results) becomes available after the initial classification has been made, the event shall be reclassified by the Emergency Coordinator if appropriate.

- 8.3 The Nuclear Plant Supervisor shall classify events in accordance with the attached Classification Tables. The event shall be classified by matching the actual situation to the one most closely approximating it in the tables.

- 8.4 Classification Tables are provided for the following categories:

1) Primary Depressurization

Miscellaneous
Abnormal Primary Leak Rate
Abnormal Primary/Secondary Leak Rate
Loss of Secondary Coolant

2) Abnormal Radiation, Contamination of Effluent Release Values

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Uncontrolled Effluent Release
High Radiation Levels in Plant

3) Fires Lasting More Than 10 Minutes

4) Accident Involving Fuel

Fuel Element Failure
Fuel Handling

5) Natural Emergencies

Earthquake
Hurricane
Tornado
Water Level Abnormal

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8.0 Instructions:

8.4 (continued)

- 6) Miscellaneous Events
 - Contaminated Injury
 - Abnormal Temperature
 - Abnormal Shutdown
- 7) Electrical Malfunctions
 - Loss of Power
- 8) Degradation of Control Capabilities
 - Engineered Safety Features
 - Loss of Containment Integrity
 - Loss of Alarms
- 9) Hazards to Station Operation
 - Aircraft
 - Toxic or Flammable Gas
 - Onsite Explosion
 - Missile
 - Turbine Failure
- 10) Security

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PRIMARY DEPRESSURIZATION
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EVENT	CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
MISCELLANEOUS		<p>A) Unplanned initiation of ECCS (Emergency Core Cooling System)</p> <ol style="list-style-type: none"> ECCS pumps running as indicated by motor amps, AND ECCS header isolation valves open as indicated by valve position indication lights, OR <p>B) Safety or relief valve falls to close</p> <ol style="list-style-type: none"> Reactor coolant system (RCS) <ol style="list-style-type: none"> Indication of flow through pressurizer relief valves as indicated on the acoustic valve flow monitor, AND RCS pressure drops to < 1600 psia. Main Steam System <ol style="list-style-type: none"> Unusual decrease in pressurizer pressure and level with decreasing Tave AND Abnormal drop in steam generator pressure to less than 500 psia, AND Visual or audible verification of steam relief lifting. 			<p>Loss of 2 of 3 fission product barrier with potential for loss of the third</p> <p>(Any two of the following conditions exist and the third is imminent.)</p> <ol style="list-style-type: none"> Confirmed fuel clad damage. Confirmed LOCA Confirmed containment integrity breached and cannot be restored.
ACTION		<ol style="list-style-type: none"> Complete actions listed on the UNUSUAL EVENT CHECKLIST. 			<ol style="list-style-type: none"> Complete actions listed on GENERAL EMERGENCY CHECKLIST.

PRIMARY DEPRESSURIZATION
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EVENT	CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
ABNORMAL PRIMARY LEAK RATE		<p>RCS leakage greater than allowed by Technical Specifications</p> <p>A. RCS water inventory balance indicates</p> <ol style="list-style-type: none"> greater 1 gpm unidentified leakage, OR greater than 10 gpm identified leakage, OR <p>B. Inspection reveals any RCS pressure boundary leakage.</p>	<p>RCS leak greater than 50 gpm - primary to atmosphere</p> <ol style="list-style-type: none"> Charging/letdown mismatch backed up by RCS water inventory balance indicating > 50 GPM and < 132 gpm leakage, AND Containment or plant vent radiation process monitor reading above normal. 	<p>LOCA greater than capacity of charging pumps</p> <ol style="list-style-type: none"> Unusual decrease in pressurizer level and pressure with constant T(ave), AND Makeup rate greater than capacity of 3 charging pumps (132) gpm) AND Containment pressure > 2 psig, or containment radiation monitors indicate above normal values. 	<p>A release has occurred or is in progress resulting in:</p> <p>LOCA Dose Calculation EPIP 3100033E Appendix B worksheet values in excess of 1 R/HR (whole body) or an integrated dose of 5R (thyroid) or containment high range radiation monitor greater than or equal to 1.47×10^5 R/HR (post LOCA monitors greater than 1000 mr/hr if CHRRM inoperable)</p>
ACTION		1. Complete actions listed on the UNUSUAL EVENT CHECKLIST.	1. Complete actions listed on ALERT CHECKLIST	1. Complete actions listed on SITE AREA EMERGENCY CHECKLIST	1. Complete actions listed on GENERAL EMERGENCY CHECKLIST

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PRIMARY DEPRESSURIZATION

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EVENT	CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
ABNORMAL PRIMARY TO SECONDARY LEAK RATE		<p>RCS PRI/SEC Leakage Greater Than 1 GPM.</p> <p>1. RCS Water inventory balance indicates:</p> <p>A. Greater than 1 GPM unidentified leakage AND</p> <p>B. Blowdown process monitors and condensate air ejector process monitor reading above normal or increasing.</p>	<p>Rapid gross failure of one steam generator tube with loss of offsite power (w/i charging pp capacity)</p> <p>1. Unusual decrease in pressurizer pressure and level with constant T ave., followed by;</p> <p>2. Above normal or increasing steam generator blowdown and condensate air ejector radiation process monitor readings, AND;</p> <p>3. Loss of the 6.9 KV and 4.16 KV busses (1A1, 1A2, 1B1, 1B2) OR</p> <p>Rapid failure of steam generator tubes (> charging pp capacity)</p> <p>1. Unusual decrease in pressurizer pressure and level, with constant Tave, AND;</p> <p>2. Simultaneous unusual increase in one steam generator's pressure and level followed by;</p> <p>3. Above normal steam generator blowdown and air ejector radiation process monitor readings.</p>	<p>Rapid failure of steam generator tubes with a loss of off-site power (> charging pp capacity)</p> <p>(1) Unusual decrease in pressurizer pressure and level with constant T(ave), AND</p> <p>(2) Above normal readings on radiation process monitors for steam generator blowdown and condensate air ejector, AND</p> <p>(3) Loss of the 6.9 kV and 4.16 kV busses (1A1, 1A2, 1B1, 1B2), AND</p> <p>(4) Simultaneous unusual increase in one steam generator's pressure and level.</p>	
ACTION		1. Complete actions listed on the UNUSUAL EVENT CHECKLIST.	1. Complete actions listed on ALERT CHECKLIST	1. Complete actions listed on SITE AREA EMERGENCY CHECKLIST.	

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PRIMARY DEPRESSURIZATION
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EVENT	CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
LOSS OF SECONDARY COOLANT		<p><u>Rapid depressurization of secondary side with no primary to secondary leakage.</u></p> <ol style="list-style-type: none"> Unusual decrease in pressurizer pressure and level with decreasing T_{ave} <u>AND</u> Simultaneous abnormal drop in Main Steam or steam generator pressure to less than 500 psia. 	<p><u>Major steam leak with greater than 10 gpm primary/secondary leak rate</u></p> <ol style="list-style-type: none"> Unusual decrease in pressurizer pressure and level, with decreasing T_{ave}, <u>AND</u>; Abnormal drop in main steam or steam generator pressure to < 500 psia, <u>AND</u>; Steam generator blowdown and condensate air ejector radiation ,rocess monitors indicate above normal, (<u>OR</u>, known pri-sec leak of > 10 gpm). 	<p><u>Major steam leak with greater than 50 gpm primary/secondary leak rate and fuel damage indicated</u></p> <ol style="list-style-type: none"> Unusual decrease in pressurizer pressure and level with decreasing T_{ave}, <u>AND</u>; Abnormal drop in main steam or steam generator pressure to < 500 psia, <u>AND</u>; Steam generator blowdown and condensate air ejector radiation process monitors indicate above normal, (<u>OR</u>, known pri-sec leak of > 50 gpm). Fuel damage as indicated by last known primary sample. 	
ACTION		1. Complete actions listed on the UNUSUAL EVENT CHECKLIST.	1. Complete actions listed on ALERT CHECKLIST.	1. Complete actions listed on SITE AREA EMERGENCY CHECKLIST.	

CATEGORY 1

ABNORMAL RADIATION, CONTAMINATION OR
EFFLUENT RELEASE VALUES

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CLASS EVENT	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
UNCONTROLLED EFFLUENT RELEASE	<p><u>Radiological effluent Tech. Specs. Limits exceeded</u></p> <ol style="list-style-type: none"> 1. Plant effluent monitor(s) exceed alarm setpoint(s) followed by 2. Confirmed analysis results for gaseous or liquid release which exceeds Technical Specification limits. 	A release has occurred or is in progress that is 10 times the T.S. limit (as shown by sample/survey)	<p>A release has occurred or is in progress resulting in:</p> <p>LOCA Dose Calculation EPIF 3100033E Appendix B worksheet values in excess of 50 MR/HR (whole body) 250 MR/HR (thyroid) for 1/2 hour <u>OR</u> 500 MR/HR (whole body) 2500 MR/HR (thyroid) for two min at the site boundary, or Containment High Range Radiation Monitor $>7.3 \times 10^3$ R/hr</p>	<p>A release has occurred or is in progress resulting in:</p> <p>LOCA Dose Calculation EPIF 3100033E Appendix B worksheet values in excess of 1 R/HR (whole body) or an integrated dose of 5 R (thyroid) or containment high range radiation monitor $>1.47 \times 10^5$ R/hr (Post 1 or 2 Monitor >1000 mr/hr if CHRRM inoperable)</p>
HIGH RADIATION LEVELS IN PLANT		<p>High radiation levels or high airborne contamination which indicates a severe degradation in the control of radioactive materials</p> <ol style="list-style-type: none"> (1) Installed radiation monitoring stations indicate abnormally high radiation levels, <u>OR</u> (2) Installed airborne particulate or iodine activity monitors indicate abnormally high levels, <u>AND</u> (3) Levels >1000 times normal are confirmed by area surveys and/or analysis of grab samples. 		
ACTION	1. Complete actions listed on UNUSUAL EVENT CHECKLIST	1. Complete actions listed on ALERT CHECKLIST	1. Complete actions listed on SITE AREA EMERGENCY CHECKLIST	1. Complete actions listed on GENERAL EMERGENCY CHECKLIST

CATEGORY 2

FIRES LASTING MORE
THAN 10 MINUTES

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EVENT	CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
FIRE		<p>Uncontrolled fire not involving a safety system, but requiring off-site support.</p> <p>Fire within the plant lasting more than 10 min.</p>	Uncontrolled fire, potentially affecting safety systems and requiring off-site support.	Fire resulting in degradation of safety systems.	
ACTION		1. Complete actions listed on the UNUSUAL EVENT CHECKLIST.	1. Complete actions listed on ALERT CHECKLIST	1. Complete actions listed on SITE AREA EMERGENCY CHECKLIST	

ACCIDENT INVOLVING FUEL

CLASS EVENT	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
FUEL ELEMENT FAILURE	<u>Fuel damage indication</u> A. Letdown iodine process monitor alarm followed by B. Confirmed RCS sample indicating 1. Coolant activity greater than the Tech Spec limit for iodine spike Figure 3.4-1, <u>AND</u> 2. Coolant activity greater than 100/F uci/gram specific act.	<u>Severe loss of fuel cladding including coolant pump failure leading to gross fuel failure</u> (1) Letdown iodine process monitor alarms, <u>AND</u> (2) RCS I-131 activity > 275 uCi/ml	<u>Core damage with inadequate core cooling determined by:</u> (1) RCS I-131 activity > 275 uCi/ml, (2) RCS temperature within 20° of T(sat), <u>AND</u> (3) Loop ΔT > 44°F	A release has occurred OR is in progress resulting in: Loca Dose calculation EPIP 3100033E Appendix B worksheet values in excess of 1 R/HR (wholebody) or an integrated dose of 5R (thyroid) or containment high range radiation monitor > 1.47 x 10 ⁵ R/HR (post LOCA monitors > 1000 mr/hr if CHRRM inoperable)
FUEL HANDLING ACCIDENT		<u>Fuel handling accident which results in the release of radioactivity to containment or Fuel Handling Building:</u> (1) Direct information from fuel handling personnel indicating that an irradiated fuel assembly has been damaged and gas bubbles are escaping, <u>AND</u> (2) Associated area or process monitor channels are alarming.	<u>Major damage to spent fuel in containment or Fuel Handling Building</u> (1) Step increase in the readings of radiation monitors in the plant vent and/or in the fuel handling building, <u>AND</u> (2) Damage to more than one fuel assembly, <u>OR</u> (3) Uncovering of more than one spent fuel assembly in the spent fuel pit.	
ACTION	1. Complete actions listed on the UNUSUAL EVENT CHECKLIST.	1. Complete actions listed on ALERT CHECKLIST	1. Complete actions listed on SITE AREA EMERGENCY CHECKLIST	1. Complete actions listed on GENERAL EMERGENCY CHECKLIST.

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CATEGORY 4

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NATURAL EMERGENCIES

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EVENT \ CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<u>EARTHQUAKE</u>	An earthquake has occurred as indicated on earthquake force monitor SMI-42-11 (post accident panel) and annunciated on RTGB 106 (S36 and S46).	An earthquake occurs which registers >0BE (0.5g) on NOAA seismic equipment.	An earthquake occurs which registers >SSE on NOAA seismic equipment	
<u>HURRICANE</u>	Notification by NOAA (Weather Bureau) that a hurricane warning is in effect.	Notification by the Weather Bureau of the approach of a hurricane with winds up to design basis (120 mph) levels	Notification by the Weather Bureau of the approach of a hurricane with winds > design basis (120 mph) levels	
<u>TORNADO</u>	Any tornado on site.	Any tornado striking facility	Sustained winds or tornadoes in excess of design.	
<u>WATER LEVEL ABNORMAL</u>	50-year flood or low water, hurricane surge OR other abnormal water level conditions 1. Notification by NOAA (Weather Bureau) that abnormal water level conditions are expected or are occurring, or 2. Visual sightings by station personnel that water levels are approaching storm drainage system capacity.	Flood, low water, hurricane surge, OR other abnormal water level conditions cause the storm drainage system to be exceeded.	Flood, low water, hurricane surge OR other abnormal water level conditions cause vital equipment to fail.	
<u>ACTION</u>	1. Complete actions listed on the UNUSUAL EVENT CHECKLIST.	1. Complete actions listed on ALERT CHECKLIST	1. Complete actions listed on SITE AREA EMERGENCY CHECKLIST	

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MISCELLANEOUS EVENTS

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CLASS EVENT	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
ABNORMAL TEMPERATURE/ PRESSURE	<p>Abnormal coolant temperature AND/OR pressure, abnormal fuel temperature</p> <p>1. Subcooling margin monitor Indicates less than 20°F sub- cooling, OR</p> <p>2. Highest hot leg temperature is less than 20°F below the saturation temperature, OR</p> <p>3. Plant incore thermocouples Indicate abnormal fuel temperatures.</p>			
CONTAMINATED INJURY	<p>Any contaminated individual is transported off-site to a hospital for treatment of injuries.</p>			
ACTION	<p>1. Complete actions listed on the UNUSUAL EVENT CHECKLIST.</p>			

MISCELLANEOUS EVENTS
Sheet 2 of 2

CLASS EVENT	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
OTHER CONDITIONS REQUIRING IN- CREASED AWARE- NESS	<ol style="list-style-type: none"> 1. A plant shutdown is required by Technical Specifications; OR 2. The plant is shut down under abnormal conditions (e.g., exceeding cooldown rates or primary system pipe cracks are found during operation). 	The Technical Support Center AND/OR Near Site Emergency Operations Facility are activated for other than drill purposes.	<ol style="list-style-type: none"> 1. The Emergency Centers are activated; AND, 2. Monitoring Teams are mobilized; AND, 3. A precautionary public notification is made concerning an abnormal plant condition for other than drill purposes. 	<p>An event resulting in escalation of the Emergency Classification to General Emergency with Imminent Substantial Core Damage and potential for release of large amounts of radioactivity in a short period of time; such as:</p> <ol style="list-style-type: none"> 1. LOCA with failure of ECCS. 2. Loss of Secondary Heat Sink. 3. Sustained station blackout with loss of secondary heat sink. 4. Failure of containment heat removal systems in the later stages of an accident resulting in loss of containment.
ACTION	1. Complete actions listed on the UNUSUAL EVENT CHECKLIST.	1. Complete actions listed on ALERT CHECKLIST.	1. Complete actions listed on SITE AREA EMERGENCY CHECKLIST.	1. Complete actions listed on GENERAL EMERGENCY CHECKLIST.

ELECTRICAL MALFUNCTION

EVENT CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
LOSS OF POWER	<p>Loss of off-site power or loss of on-site AC power capability</p> <ol style="list-style-type: none"> 1. Turbine generator trips with plant startup transformers unavailable for service; OR, AND 2. Loss of voltage on both 1A3 AND 1B3 4.16 KV busses for more than 15 seconds. 	<p>Loss of offsite power and loss of all onsite AC power</p> <ol style="list-style-type: none"> 1. Turbine generator trip with plant startup transformers non-functional, AND; 2. Failure of both emergency diesel generators to start or synchronize <p>OR</p> <p>Loss of all onsite DC power</p> <p>Drop in A and B DC Bus voltages to < 70 volts.</p>	<p>Loss of offsite power and loss of onsite AC power > 15 minutes</p> <ol style="list-style-type: none"> 1. Turbine generator trips with plant startup transformers unavailable for service, AND; 2. Sustained failure of both emergency diesel generators to start or synchronize for > 15 minutes. <p>OR</p> <p>Loss of all vital onsite DC power for > 15 minutes</p> <p>Sustained drop in A and B DC bus voltages to 70 vdc for > 15 minutes.</p>	
ACTION	<p>1. Complete actions listed on UNUSUAL EVENT CHECKLIST.</p>	<p>1. Complete actions listed on ALERT CHECKLIST.</p>	<p>1. Complete actions listed on SITE AREA EMERGENCY CHECKLIST.</p>	

DEGRADATION OF CONTROL CAPABILITIES
Sheet 1 of 2

CLASS EVENT	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
ENGINEERED SAFETY FEATURES/REACTOR PROTECTION SYSTEM SYSTEMS TO PLACE PLANT IN COLD SHUT-DOWN/ CONTROL ROOM OPERATION AND FIRE PROTECTION SYSTEM	<ol style="list-style-type: none"> 1. A safety features actuation system functional unit shown in Technical Specification table 3.3-3 becomes inoperable per Technical Specification 3.3.2.1 AND requires plant shutdown, OR 2. The fire suppression system or a portion thereof becomes inoperable per Technical Specification 3.7.11.1 AND requires plant shutdown. 	<ol style="list-style-type: none"> 1. Loss of functions needed for cold shutdown, OR 2. Failure of the Reactor Protection System to bring the reactor subcritical when needed, OR 3. Evacuation of control room (for other than drill purposes) with shutdown control established locally at the Hot Shutdown Control Panel. 	<p>Loss of any function or system which precludes placing the plant in Hot Shutdown, OR</p> <p>Control Room is evacuated (for other than drill purposes) and shutdown control cannot be established locally at the Hot Shutdown Control Panel within 15 minutes.</p>	
LOSS OF ALARMS	Significant loss of effluent monitoring capability, meteorological monitoring instrumentation communications, indication and alarm panels, etc., which impairs ability to perform accident or emergency assessment.	All annunciators lost.	All annunciator alarms lost >15 minutes with plant not in cold shutdown; OR Plant transient occurs with all alarms lost.	
ACTION	1. Complete actions listed on UNUSUAL EVENT CHECKLIST.	1. Complete actions listed on ALERT CHECKLIST.	1. Complete actions listed on SITE AREA EMERGENCY CHECKLIST.	

DEGRADATION OF CONTROL CAPABILITIES
Sheet 2 of 2

EVENT	CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
LOSS OF CONTAINMENT INTEGRITY		<p>Loss of containment integrity requiring shutdown by Tech. Specs.</p> <p>A. Penetrations required to be closed during accident conditions are NOT:</p> <ol style="list-style-type: none"> 1. Capable of being closed by the ESFAS, OR 2. Closed by manual valves, blind flanges, or deactivated automatic valves secured in their closed positions except as provided in Table 3.6-2 of Technical Specification 3.6.3.1; OR <p>B. An equipment hatch is not closed and sealed; OR</p> <p>C. An airlock is not operable per Technical Specification 3.6.1.3; OR</p> <p>D. A sealing mechanism associated with a penetration (e.g., welds, bellows, or O-rings) becomes inoperable.</p>			
ACTION		1. Complete actions listed on UNUSUAL EVENT CHECKLIST.			

HAZARDS TO STATION OPERATION

CLASS EVENT	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
<u>AIRCRAFT</u>	Visual sighting of aircraft crash on-site or of unusual aircraft activity over facility.	Aircraft crash onsite damaging plant structures.	Aircraft crash on site damaging vital plant systems or structures.	
<u>ONSITE EXPLOSION</u>	Visual or audio indication of an explosion near or on-site.	Damage to facility by explosion which affects plant operation.	Damage to safe shutdown equipment from missiles or explosion	
<u>TOXIC OR FLAM- MABLE GAS</u>	Indication (visual or otherwise) of a near or on-site toxic or flammable gas release.	Entry of toxic or flammable gas onto areas potentially affecting plant operation.	Alarm indication is received on Detecto-Chlor or toxic or flammable gas has diffused into vital areas.	
<u>MISSILES</u>		Visual or audible indication of missile impact on plant structures.	Damage to safe shutdown equipment from missiles or explosion.	
<u>TURBINE FAILURE</u>		Visual indication that the turbine casing has been penetrated by blading.		
<u>ACTION</u>	1. Complete actions listed on the UNUSUAL EVENT CHECKLIST.	1. Complete actions listed on ALERT CHECKLIST.	1. Complete actions listed on SITE AREA EMERGENCY CHECKLIST.	

SECURITY EMERGENCIES

EVENT / CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
Security	<p>A security alert has been called by the security force in response to one or more of the items listed below.</p> <ol style="list-style-type: none"> 1. Bomb threat 2. Attack threat 3. Civil disturbance 4. Protected area intrusion 5. Sabotage attempt 6. Internal disturbance 7. Vital area intrusion 8. Security force strike 	<p>A security emergency has been called by the security force as defined in the Safeguards Contingency Plan.</p>	<p>A security emergency has progressed to the point that takeover of the plant is probable</p>	<p>A successful takeover of the plant including the Control Room has occurred.</p>
ACTION	<p>1. Complete actions listed on UNUSUAL EVENT CHECKLIST.</p>	<p>1. Complete actions listed on ALERT CHECKLIST.</p>	<p>1. Complete actions listed on SITE AREA EMERGENCY CHECKLIST.</p>	<p>1. Complete actions listed on GENERAL EMERGENCY CHECKLIST</p>