

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20103
DECEMBER 15, 1983

1.0 Title:

CLASSIFICATION OF EMERGENCIES

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 12/15/83 Reviewed by PNSC December 15, 1983
Approved by Chas. Bahng Plant Mgr-Nuclear, Jan 5 1984
Approved by W. W. Sullivan Vice President of Nuclear Energy Jan 17 1984

2.2 List of Effective Pages:

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3.0 Scope:

3.1 Purpose:

This procedure provides instructions on the classification of emergencies at Turkey Point Plant.

3.2 Discussion:

Four levels of emergency classification are established. In order of increasing seriousness, these are:

Unusual Event
Alert
Site Area Emergency
General Emergency

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

3.3 Authority:

This procedure implements the Turkey Point Plant Radiological Emergency Plans.

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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 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 degradation of the level of safety of the plant combined with a potential for limited uncontrolled 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 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.

5.0 Responsibilities:

5.1 Plant Personnel

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

5.2 Plant Supervisor - Nuclear

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

5.2.2 If the diagnosis indicates that the condition is classified as an Unusual Event, Alert, Site Area Emergency, or General Emergency the Plant Supervisor - Nuclear shall follow the instructions in Emergency Procedure 20101, Duties of Emergency Coordinator.

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

6.0 References:

- 6.1 Turkey Point Plant Radiological Emergency Plan
- 6.2 Emergency Procedure 20102, Duties of an Individual Who Discovers an Emergency Condition
- 6.3 Emergency Procedure 20101, Duties of Emergency Coordinator

7.0 Records and Notifications:

None

8.0 Instructions:

- 8.1 The Plant Supervisor - Nuclear should initially classify a situation within 15 minutes of the time he has become aware of it. The initial classification shall be made on the basis of readily available observations and should not rely on laboratory analyses, measurements, or calculations which would require more than 15 minutes to perform.
- 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 Plant Supervisor - Nuclear (Emergency Coordinator) 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 Classification Table.

NOTE: Within fifteen minutes after the initial classification, the state and/or local agencies listed in the appropriate check list in Emergency Procedure 20101, Duties of the Emergency Coordinator must be notified. Within one hour after the initial classification, the NRC Operations Center in Bethesda, Maryland must be notified.

CLASSIFICATION TABLE

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
1. <u>PRIMARY DEPRESSURIZATION - ECCS INITIATED MANUALLY OR AUTOMATICALLY</u>			
Flow as indicated on FI*-213 (VP-B)			
2. <u>PRIMARY DEPRESSURIZATION - FAILURE OF A PRIMARY SAFETY OR RELIEF VALVE TO CLOSE</u>			
Sustained increased temperature on TI*-465, 467, 469 or indication of flow through safeties on TEC flow indicators.			
3. <u>PRIMARY DEPRESSURIZATION - FAILURE OF SECONDARY SAFETY OR RELIEF VALVE TO CLOSE</u>			
Any 2 of following 3: Rapid and continuous decrease in steam generator pressure; rapid RCS cooldown; audible steam relief noise lasting for longer than 10 minutes.			
4. <u>PRIMARY DEPRESSURIZATION - ABNORMAL PRIMARY LEAK RATE</u>			
(1) RCS water inventory balance indicates leakage of > 1 GPM from an unidentified source; OR (2) RCS water inventory balance indicates leakage of > 10 GPM; OR (3) RCS water inventory balance indicates leakage to a connecting closed system >30 GPM but < 50 GPM	RCS Water inventory balance indicates leakage >50 gpm by: (1) Decreasing pressurizer level with all charging pumps running OR (2) Mismatch of >50 GPM between charging and letdown (including controlled leakage)	(1) Pressurizer low pressure reactor trip or RCS pressure decreasing uncontrollably <u>AND</u> High containment pressure, or sump level, or radiation level. <u>AND</u> Steam pressure in one steam generator not significantly lower than other two. <u>OR</u> (2) Rapid decrease in RCS pressure with subcooled margin < 30°F.	Containment pressure is >20 psia and a LOCA has occurred or is in progress.
Complete actions listed on the UNUSUAL EVENT CHECKLIST.	Complete actions listed on ALERT CHECKLIST.	Complete actions listed on SITE AREA EMERGENCY CHECKLIST.	Complete actions listed on GENERAL EMERGENCY CHECKLIST.

CLASSIFICATION TABLE (cont'd)

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
PRMS R-15 alarming and RCS water inventory balance indicates leakage >10 GPM.	5. PRIMARY DEPRESSURIZATION - ABNORMAL PRIMARY/SECONDARY LEAK RATE		
	<p>(1) A gross failure of one steam generator tube has occurred with a loss of offsite power as indicated by:</p> <p>Loss of Voltage to both 4160 V busses and one of the following:</p> <p>(a) Valid alarm on PRMS R-15 or R-19, (b) Decreasing RCS pressure or pressurizer level, (c) Increasing water level in affected steam generator.</p> <p>(2) A rapid failure of steam generator tubes has occurred (leak of several hundred GPM) as indicated by:</p> <p>Valid alarm on R-15 or R-19 and no significant increase in containment sump level with one of the following:</p> <p>(a) rapidly decreasing RCS pressure, (b) reactor trip on low pressurizer pressure, (c) safeguards initiation on low pressurizer pressure, (d) one steam generator level increasing rapidly.</p>	<p>A rapid failure of steam generator tubes with a loss of offsite power has occurred as indicated by:</p> <p>Loss of voltage to both 4160V busses with:</p> <p>(1) no significant increase in containment sump level or high range radiation and; (2) a valid alarm on PRMS R-15 or R-19 or one steam generator's level increasing and; (3) one of the following: reactor trip on low pressurizer pressure, RCS pressure decreasing uncontrollably, or safeguards initiation on low pressurizer pressure.</p>	<p>A release has occurred or is in progress resulting in 1 P/hr whole body or 5 R/hr thyroid at site boundary. (1 mile)</p>
increasing containment pressure or unusually loud noise outside containment	6. PRIMARY DEPRESSURIZATION - STEAM BREAK		
	<p>RCS water inventory shows >10 GPM leak OR a valid alarm on PRMS R-15 or R-19 AND one of the following three:</p> <p>(1) High steamline differential safety Injection with:</p> <p>(a) High Containment Pressure or (b) High Containment Radiation or (c) Audible Indication of Steam Break outside containment. OR</p> <p>(2) High Steam flow with low T_{avg} or low steam generator pressure OR</p> <p>(3) High Steam Flow Safety Injection with failure of MSIV.</p>	<p>High RCS I-131 activity** or PRMS R-20 alarming and PRMS R-15 or R-19 significantly above alarm point and 1 of the following 2:</p> <p>(1) High steamline delta P Safety Injection and high containment pressure with either high containment radiation or alarm on PRMS R-15 or R-19. OR</p> <p>(2) High steam flow and low T_{avg} or steam flow Safety Injection with PRMS R-15 or R-19 alarming.</p>	<p>A release has occurred or is in progress resulting in 1 P/hr whole body or 5 R/hr thyroid at site boundary (1 mile).</p>

* These criteria are based upon Emergency Procedure 20126, Offsite Dose Calculations computations and will be converted to Appendix I - Instrumentation following Installation.
** Activity limits as per Plant Radiochemistry Tech. Spec. 3.1.4.

ACTION			
Complete actions listed on the UNUSUAL EVENT CHECKLIST.	Complete actions listed on ALERT CHECKLIST.	Complete actions listed on SITE AREA EMERGENCY CHECKLIST.	Complete actions listed on GENERAL EMERGENCY CHECKLIST.

CLASSIFICATION TABLE

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
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7. ABNORMAL RCS TEMPERATURE AND/OR PRESSURE

- (1) Core subcooling determined to be zero by one of following three:
 (a) Subcooled margin monitor,
 (b) Graph with RCS pressure and highest loop temperature,
 (c) Pressurizer temperature, and highest RCS temperature
 OR
 (2) $T_{avg} > 620^{\circ}\text{F}$ OR
 (3) RCS Pressure > 2535 psig OR
 (4) RCS Pressure < 1770 psig with valid core exit thermocouple $\geq 620^{\circ}\text{F}$.

B. COOLANT PUMP SEIZURE WITH FUEL DAMAGE

RCS flow decreasing rapidly and
 PRMS R-20 alarming and RCS I-131 activity
 $> 300 \text{ } \mu\text{Ci/gm}$

A release has occurred or is in progress resulting in 50 mR/hr whole body for 1/2 hour or 500 mR/hr whole body for 2 minutes at site boundary (1 mile).*

A release has occurred or is in progress resulting in 1 R/hr whole body or 5 R/hr thyroid at the site boundary* (1 mile).

C. FUEL HANDLING ACCIDENT

Fuel damage has occurred or is imminent as indicated by:

- (1) Notification from the fuel handling crew that a spent fuel assembly has been dropped or damaged,

AND

- (2) Any of the following APMS channels alarming: R-2, 5, 7, P, 19, 21, 22,

OR

- (3) PRMS R-12 or R-14 alarming.

Major damage has occurred to one or more spent fuel assemblies as indicated by:

- (1) Notification from fuel handling crew of major damage (e.g. large object damages fuel, water level below top of fuel) and
 (2) Any of the following PRMS channels significantly above the alarm point: R-2, 5, 7, P, 19, 21, 22 or
 (3) PRMS R-12 or R-14 significantly above the alarm point

A release has occurred or is in progress resulting in 1 R/hr whole body or 5 R/hr thyroid at the site boundary (1 mile).*

* These criteria are based upon Emergency Procedure 20126, Offsite Dose Calculations and will be converted to Appendix I - Instrumentation Following Installation.

ACTION			
Complete actions listed on the UNUSUAL EVENT CHECKLIST.	Complete actions listed on ALERT CHECKLIST.	Complete actions listed on SITE AREA EMERGENCY CHECKLIST.	Complete actions listed on GENERAL EMERGENCY CHECKLIST.

CLASSIFICATION TABLE

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
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10. LOSS OF SAFE SHUTDOWN FUNCTIONS

- (1) Failure of reactor protection system to initiate and complete a scram which brings the reactor subcritical as indicated by reactor remaining critical after trip signal is initiated.
OR
(2) RHR system not operable or inability to sustain forced or natural circulation as indicated by:

Increasing RCS temperature as seen on wide range loop temperature recorders or core exit thermocouples and

- (a) RHR pumps not running or
(b) No flow indicated on FT-605 or
(c) No flow on loop flow indicators.

- (1) A transient has occurred requiring operation of shutdown systems with failure to bring reactor subcritical with control rods and no core damage immediately evident.
(e.g. PRMS R-20 not alarming)
OR
(2) Loss of function needed for hot shutdown:

- (a) Scram system inoperable or
(b) Condenser dumps, atmospheric dumps, and steam generator safeties inoperable or
(c) No normal and auxiliary feed water flow or
(d) Inability to makeup to the RCS (inadequate high pressure injection).

Reactor remains critical after transient induced trip signal is initiated and

- (1) RCS pressure > safety valve settings
OR
(2) Containment pressure or temperature increasing rapidly.

11. FUEL ELEMENT FAILURE

- (1) PRMS R-20 alarming
AND
(2) Confirmed RCS sample indicates that coolant activity is greater than the Tech Spec limit for iodine spike.
(Tech Spec Figure 3.1-1)

- (1) RCS sample shows I-131 activity > 300 $\mu\text{Ci/gm}$
OR
(2) PRMS R-20 significantly above alarm point and laboratory analysis shows an increase greater than 1% fuel failures in 30 minutes or a total fuel failure of 5%.*

Core damage with inadequate core cooling determined by:

- (1) RCS I-131 activity > 300 $\mu\text{Ci/gm}$
AND
(2) RCS $T_{\text{hot}} > 620^\circ\text{F}$ or core exit thermocouple > 700°F.

Loss of 2 of 3 fission product barriers with a potential for loss of the third barrier:

- (1) Known LOCA as defined in Site Area Emergency and fuel failure as defined in Unusual Event with containment pressure increasing to design limits or in containment cooling has been lost.
OR
S/G tube break as defined in Alert (but no loss of offsite power) with clad damage as defined in Unusual Event and imminent failure of MSIV.
OR

* These criteria will be implemented upon installation of Appendix I instrumentation.

ACTION

Complete actions listed on the UNUSUAL EVENT CHECKLIST.	Complete actions listed on ALERT CHECKLIST.	Complete actions listed on SITE AREA EMERGENCY CHECKLIST.	Complete actions listed on GENERAL EMERGENCY CHECKLIST.
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CLASSIFICATION TABLE (cont'd)

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
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11. FUEL ELEMENT FAILURE (continued)

- (2) Known LOCA as defined in Site Area Emergency with:
(a) containment failing to isolate OR
(b) containment pressurized > design limits

- OR
S/G tube break as defined in Alert class with:
(a) Steam break between containment and MSIV OR
(b) Downstream break with failure of MSIV WITH EITHER
Loss of ECCS or loss of all AC or RCS T_{hot} > 620°F (Core exit thermocouple > 700°F) and increasing

OR

- (3) Clad damage as defined in Unusual Event and loss of ECCS capability with 1 of 3 following:
(a) Containment integrity lost OR
(b) Steamline break downstream of MSIV with failure of MSIV OR
(c) Steamline break between containment and MSIV.

12. EMERGENCY COORDINATOR DISCRETION

Emergency Coordinator's judgment that plant conditions exist which warrant increased awareness on the part of the operating staff and/or local, offsite authorities.
DELETED

Emergency Coordinator's judgment that plant conditions exist which warrant precautionary activation of the Technical Support Center and placing near-site Emergency Operations Facility and other key emergency personnel on standby.

Emergency Coordinator's judgment that plant conditions exist which warrant activation of emergency centers and monitoring teams or a precautionary notification to the public near the site.

Emergency Coordinator's judgment that plant conditions exist which make release of large amounts of radioactivity, in a short period of time, possible (e.g. any core melt situation).

ACTION			
Complete actions listed on the UNUSUAL EVENT CHECKLIST,	Complete actions listed on ALERT CHECKLIST,	Complete actions listed on SITE AREA EMERGENCY CHECKLIST,	Complete actions listed on GENERAL EMERGENCY CHECKLIST.

CLASSIFICATION TABLE (cont'd)

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
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13. UNCONTROLLED EFFLUENT RELEASE

A release has occurred or is in progress which is greater than the Tech. Spec. limit as indicated by PK-15 R-14 alarming and reading $> 2.5 \times 10^5$ cpm (approximately 5 times the alarm set point).

A release that has occurred or is in progress which is greater than 10 times the Tech. Spec. limit as indicated by the plant vent MMC in the alarm condition and reading significantly greater than alarm point (approximately 40,000 cpm).
AND
PK-15 R-14 should be alarming and pegged off scale high.

A release has occurred or is in progress resulting in 50 mR/hr whole body or 250 mR/hr thyroid for 1/2 hour or 500 mR/hr whole body or 2500 mR/hr thyroid for 2 minutes at the site boundary* (1 mile) or Containment High Range Radiation Monitor $\geq 1.3 \times 10^4$ R/hr.

A release has occurred or is in progress resulting in 1 R/hr whole body or an integrated dose of 5R thyroid at site boundary* (1 mile) or Containment High Range Radiation Monitor $\geq 1.3 \times 10^4$ R/hr.

14. HIGH RADIATION LEVELS IN PLANT

- (1) Any valid and unexpected area monitor alarm with meter near or greater than full scale deflection (10 mR/hr)

OR

- (2) Unexpected plant iodine or particulate airborne concentration > 1000 MPC as per 10 CFR 20 Appendix C, Table I, as seen in routine surveying or sampling.

* These criteria are based upon Emergency Procedure 20126, Offsite Dose Calculations and will be converted to Appendix I - Instrumentation Following Installation.

ACTION			
Complete actions listed on the UNUSUAL EVENT CHECKLIST.	Complete actions listed on the ALERT CHECKLIST.	Complete actions listed on the SITE AREA EMERGENCY CHECKLIST.	Complete actions listed on the GENERAL EMERGENCY CHECKLIST.

CLASSIFICATION TABLE (cont'd)

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UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
	15. OTHER SIGNIFICANT EVENTS THAT COULD LEAD TO CORE MELT		
			<p>(1) A known LOCA as defined in Site Area Emergency and failure of ECCS to deliver flow to the core has occurred resulting in clad damage as indicated by containment area monitors PPMs P 1-3 or P 3-6 or Containment High Range Radiation Monitor alarming. OR</p> <p>(2) Reactor trip on low steam generator levels with wide range levels decreasing toward zero with one of the following two:</p> <p>(a) loss of main condenser, loss of auxiliary feed flow (with high head Safety Injection capability), OR</p> <p>(b) loss of main condenser, loss of auxiliary feed flow and no high head Safety Injection capability and 30 minutes has elapsed with no low head Safety Injection capability or auxiliary feed flow. OR</p> <p>(3) A known LOCA as defined in Site Area Emergency has occurred and one of following 2:</p> <p>(a) RHR flow indicator is FI-4605 reads zero for 1/2 hour after recirculation phase is attempted and RCS temperature is rising OR</p> <p>(b) Failure of containment spray and emergency coolers to prevent containment temperature from rising excessively.</p>

ACTION			
Complete actions listed on the UNUSUAL EVENT CHECKLIST.	Complete actions listed on ALERT CHECKLIST.	Complete actions listed on SITE AREA EMERGENCY CHECKLIST.	Complete actions listed on GENERAL EMERGENCY CHECKLIST.

CLASSIFICATION TABLE (cont'd)

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
16. LOSS OF POWER CONDITIONS			
Sustained Loss of offsite power <u>or</u> onsite AC power capability as indicated by:	(1) Loss of offsite and onsite AC power capability as indicated by:	(1) Loss of offsite power and loss of onsite A.C. power capability for > 15 minutes as indicated by:	Loss of offsite power and loss of onsite A.C. power capability as defined in Alert, with loss of all feedwater capabilities for > 1 hour.
(1) Respective supply breakers open	(a) 4kV bus "A" and "B" low voltage alarms	(a) 4kV bus "A" and "B" low voltage alarms for > 15 minutes	
OR	(b) 4kV bus "A" and "B" voltage and amp meters reading zero	OR	
(2) Voltage and/or amp meters indicate zero.	OR	(b) 4kV bus "A" and "B" voltage and amp meters reading zero for > 15 minutes	
	(c) All supply breakers open with failure of emergency diesel generators to power their respective 4kV bus either automatically or by manual action from the Control Room. See NOTE A1.	OR	
	OR	(c) All supply breakers open and both emergency diesel generators fail to power their respective 4 kV bus either automatically or by manual action from the Control Room or Local Control Board. See NOTE A1	
	(2) Loss of all vital onsite D.C. power as indicated by DC load trouble alarms on all D.C. busses or decreasing voltage on all D.C. busses below alarm point. See NOTE A1.	OR	
		(2) Loss of all vital onsite D.C. power for >15 minutes as indicated by D.C. load center trouble alarms or voltage decreasing below the alarm point on all D.C. busses. See NOTE A1.	

NOTE 1: An Alert should be declared as soon as a loss of power is experienced. A Site Area Emergency should be declared if the loss lasts for > 15 min., or if the Emergency Coordinator leaves the Control Room during the first 15 minutes.

17. LOSS OF CONTAINMENT INTEGRITY

Violation of containment integrity as defined in Section 1.5 of Technical Specifications unless the reactor is in the cold shutdown condition; or violation of containment integrity as defined in Section 1.5 of Technical Specifications when the reactor vessel head is removed unless the reactor is in the refueling shutdown condition.

ACTION			
Complete actions listed on the UNUSUAL EVENT CHECKLIST.	Complete actions listed on ALERT CHECKLIST.	Complete actions listed on SITE AREA EMERGENCY CHECKLIST.	Complete actions listed on GENERAL EMERGENCY CHECKLIST.

CLASSIFICATION TABLE (cont'd)

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
18. CONTAMINATED PERSONNEL			
Transportation of <u>potential</u> or confined contaminated injured individual(s) from the site to an offsite facility.			
19. LOSS OF ASSESSMENT FUNCTIONS			
Significant loss of effluent monitoring capability, meteorological instruments, communications, etc., which impairs ability to perform emergency assessment.	Most or all annunciator alarms lost with plant not at cold shutdown during transient conditions and inability to immediately restore power to annunciators.	All annunciator alarms lost for > 15 minutes and a plant transient has been initiated or is in progress.	
20. NATURAL PHENOMENA			
(1) Notification by the weather bureau of a hurricane warning or tornado sighted in the Owner Controlled Area	(1) Notification by the weather bureau of the approach of a hurricane with winds up to design basis (225 mph) levels OR any tornado striking plant structures.	Plant not in a cold shutdown condition and any one of the following three: (a) Notification by the weather bureau of the approach of a hurricane with winds > 225 mph. OR (b) Any earthquake that causes shutdown of turbine generator and/or reactor coupled with degradation of safety systems. OR (c) Flood or hurricane surge, that is > design level of 18 feet and causes shutdown of turbine generator and/or reactor with degradation of safety systems.	A major internal or external event (e.g. fires, earthquakes, plane crashes) has occurred, which could cause massive common damage to plant systems resulting in any of the other General Emergency initiating conditions.
OR	OR		
(2) Any earthquake felt or detected on installed seismic instrumentation.	(2) Any earthquake that could cause, or already caused shutdown of turbine generator and/or reactor.		
OR	OR		
(3) Hurricane surges or floods that limit access to the site.	(3) Any flood or hurricane surge that raises the water level to at or near the design level of 18 feet above M.L.W.		
21. HAZARDS TO STATION OPERATION			
(1) Any aircraft crash on-site or unusual aircraft activity over facility	(1) Aircraft crash on-site involving plant structures	Plant not at cold shutdown AND	
OR	OR		
(2) On-site explosion	(2) Missile impacts from any source involving plant structures or components	(a) Aircraft crash resulting in damage to vital structures or components by impact or fire, OR (b) Missile impact or explosion resulting in damage to safety systems OR (c) Entry of gases greater than their toxic or flammable limits into control or vital areas and which renders one train of a safety related system inoperable.	
OR	OR		
(3) Toxic or flammable gas release near or on-site could threaten personnel	(3) Damage to plant structures or components from an explosion		
OR	OR		
(4) Rapid turbine shutdown due to turbine generator failure.	(4) Detection by portable instrumentation, or notification from off-site sources that gases greater than their toxic or flammable limits have entered the facility. OR (5) Turbine shutdown with observation of casing penetration.		
ACTION			
Complete actions listed on the UNUSUAL EVENT CHECKLIST.	Complete actions listed on the ALERT CHECKLIST.	Complete actions listed on the SITE AREA EMERGENCY CHECKLIST.	Complete actions listed on the GENERAL EMERGENCY CHECKLIST.

UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
22. SECURITY THREAT			
Security contingency resulting in initiation of PTP Safeguards Contingency Plan to one or more of the items listed below. 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.	A security emergency declared as defined in the Safeguards Contingency Plan.	A security emergency involving imminent occupancy of the control room or other vital areas to the reactor system as defined in the Safeguards Contingency Plan.	Physical attack on the plant resulting in occupation of control room or other vital areas.
23. CONTROL ROOM EVACUATION			
	Evacuation of control room anticipated or required with control of shutdown systems established from local stations.	Evacuation of control room and control of shutdown systems not established from local stations in 15 minutes.	
24. FIRE			
(1) Uncontrolled fire onsite lasting longer than 10 minutes OR (2) Fire requiring offsite support	Uncontrolled fire, potentially affecting safety systems and requiring offsite support.	Fire resulting in degradation of safety systems.	
25. LOSS OF ENGINEERED SAFETY FEATURES/FIRE PROTECTION SYSTEMS			
Loss of any equipment listed in the Technical Specifications Section 3.4 requiring plant shutdown; or loss of any instrumentation listed in Technical Specifications Section 3.5 requiring plant shutdown; or loss of any fire protection systems listed in Technical Specifications Section 3.14; requiring plant shutdown and inability to make these systems operable or provide compensatory measures within the specified time limits of applicable Technical Specifications.			
An UNUSUAL Event shall be declared when actual load reduction begins.			

ACTION			
Complete actions listed on the UNUSUAL EVENT CHECKLIST.	Complete actions listed on ALERT CHECKLIST.	Complete actions listed on SITE AREA EMERGENCY CHECKLIST.	Complete actions listed on GENERAL EMERGENCY CHECKLIST.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 AND 4
EMERGENCY PROCEDURE 20104
DECEMBER 15, 1983

1.0 Title:

EMERGENCY ROSTER

2.0 Approval and List of Effective Pages:

2.1 Approval:

Change dated 12/15/83 Reviewed by PNSC December 15, 1983
Approved by Chris Baker Plant Mgr.-Nuc Jan. 5 1984
Approved by [Signature] Vice President of Nuclear Energy Jan 17 1984

2.2 List of Effective Pages:

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3.0 Scope:

3.1 Purpose:

This procedure provides the phone numbers of personnel involved with emergency response.

3.2 Authority:

This procedure implements the Turkey Point Plant Radiological Emergency Plans.

4.0 Precautions:

None

5.0 Responsibilities:

5.1 The Emergency Planning Coordinator shall be responsible for periodic verification and updating of this procedure.

5.2 FPL personnel in this procedure should notify the Emergency Planning Coordinator when a change pertinent to information appearing in the roster occurs.

6.0 References:

6.1 Turkey Point Plant Radiological Emergency Plan

6.2 Emergency Procedure 20105, Activation of the On-Site Support Centers

7.0 Records and Notifications:

None

8.0 Instructions:

8.1 Every plant condition which requires initiation of the Emergency Plan will be classified as an Unusual Event, Alert, Site Area Emergency, or General Emergency by the Emergency Coordinator, who will so inform the Duty Call Supervisor. The Duty Call Supervisor shall follow the instructions below on who needs to be notified by him for each of the four categories. A list of the actual alternates and telephone numbers is attached in Appendix A.

8.2 Unusual Event

8.2.1 For all Unusual Events, the Duty Call Supervisor shall notify the following or their alternates:

Emergency Control Officer	(See Appendix A)
Site Manager	(See Appendix A)
Plant Manager - Nuclear	(See Appendix A)
NRC Resident Inspector	(See Appendix A)

8.2.2 For Unusual Events, the Duty Call Supervisor shall call any additional plant management or supervision which he or the Emergency Coordinator deems appropriate to provide assistance in remedying the condition.

8.2.3 In addition, when the Unusual Event is a hurricane warning, the Duty Call Supervisor should call the following or their alternates, unless they have already been notified or are already on site.

Security Supervisor	(See Appendix A)
Operations Superintendent-Nuclear	(See Appendix A)
Maintenance Superintendent-Nuclear	(See Appendix A)
Technical Supervisor	(See Appendix A)
I and C Supervisor	(See Appendix A)
Land Management Site Manager	(See Appendix A)

8.2.4 In addition, when the Unusual Event involves initiation of the Security Contingency Plan, the Duty Call Supervisor shall notify the Security Supervisor or his alternate unless he has already been notified or is already on site. [(See Appendix A)]

8.3 Alert

8.3.1 For all Alerts, the Duty Call Supervisor shall notify the following or their alternates:

Emergency Control Officer | (See Appendix A)
Site Manager (See Appendix A)
Plant Manager - Nuclear (See Appendix A)
NRC Resident Inspector (See Appendix A) |

8.3.2 For any Alert, the Duty Call Supervisor shall call any additional plant management or supervision which he or the Emergency Coordinator deems appropriate to provide assistance in remedying the condition. (Reference Emergency Procedure 20105, Activation of On-Site Support Centers).

8.3.3 Refer to Appendixes D and E.

8.4 Site Area Emergency

8.4.1 For all Site Area Emergencies, the Duty Call Supervisor shall notify the following or their alternates:

Emergency Control Officer | (See Appendix A)
Site Manager (See Appendix A)
Plant Manager - Nuclear (See Appendix A)
NRC Resident Inspector (See Appendix A) |

8.4.2 For any Site Area Emergency which might require site evacuation, the Duty call Supervisor shall notify the following or his alternate unless he has already been notified or is on site:

Security Supervisor | (See Appendix A) |

8.4.3 For any Site Area Emergency the Duty Call Supervisor shall call any additional plant management or supervision which he or the Emergency Coordinator deems appropriate to provide assistance in remedying the condition. (Reference Emergency Procedure 20105, Activation of On-Site Support Centers).

8.4.4 Refer to Appendixes D and E.

8.5 General Emergency

8.5.1 For all General Emergencies, the Duty Call Supervisor shall notify the following or their alternates:

Emer. Control Officer | (See Appendix A)
Site Manager (See Appendix A)
Plant Manager-Nuclear (See Appendix A)
NRC Resident Insp. (See Appendix A)
Security Supervisor (See Appendix A) |

8.5.2 For any General Emergency the Duty Call Supervisor shall call any additional plant management or supervision which he or the Emergency Coordinator deems appropriate to provide assistance in remedying the condition. (Reference Emergency Procedure 20105, Activation of On-Site Support Centers).

- 8.5.3 Refer to Appendixes D and E.
- 8.6 Appendix B is the Security Team Leader's Call List of personnel who shall be notified during an emergency.
- 8.7 Appendix C contains miscellaneous phone numbers that may be needed during an emergency.
- 8.8 Appendix D contains the TSC Emergency Response Staff Call List
- 8.9 Appendix E contains the OSC Emergency Response Staff Call List
- 8.10 Appendix F contains the TSC and OSC Communication Lines Directory.

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APPENDIX A

DUTY CALL SUPERVISOR'S CALL LIST

TITLE	NAME	PHONE/BEEPER	
		HOME	OFFICE
Emergency Control Officer			
1st Alternate			
2nd Alternate			
<u>Alternates</u> Route for ECO Nuclear Energy Duty Officers			

1. If the Emergency Control Officer or his alternates cannot be reached, the appropriate Nuclear Energy Duty Officer should be contacted. The appropriate Duty Officer will be one of those listed above and is listed on the Nuclear Energy Duty Officer Roster for the week involved.

APPENDIX A

DUTY CALL SUPERVISOR'S CALL LIST

TITLE	NAME	TELEPHONE		
		HOME	OFFICE	BEEPER
Site Manager 1st Alternate				
Plant Manager - N 1st Alternate 2nd Alternate				
NRC Resident Inspector				
Security Supv. 1st Alternate 2nd Alternate				
Maintenance Supv.-N 1st Alternate 2nd Alternate				
Technical Supv. 1st Alternate 2nd Alternate				
I and C Supervisor 1st Alternate 2nd Alternate				
Land Management Site Mgr. 1st Alternate 2nd Alternate				

* PTP telephone numbers

APPENDIX A

DUTY CALL SUPERVISOR'S CALL LIST (cont'd)

TITLE	NAME	PHONE/BEEPER
		HOME
ADDITIONAL PLANT PERSONNEL WHO IT MAY BE APPROPRIATE TO CONTACT		
Nuc. Operations Supv.		
Startup Supt.-Nuclear		
Plant Manager - Fossil		
Oper. Supt. - Fossil		
Plant Supervisor - Fossil Results		
Maint. Supt. - Fossil		
Plant Supervisor I - Fossil Operations		
Plant Supv. - Nuc.		
Plant Supv. - Nuc.		
Plant Supv. - Nuc.		
Plant Supv. - Nuc.		
Plant Supv. - Nuc.		
<u>Plant Supv. I - Nuc</u> .!		
Quality Assurance - Turkey Point Plant		
Plant Construction		
Emergency Plan Coord.		

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APPENDIX B

SECURITY TEAM LEADER'S CALL LIST

TITLE	PHONE
U. S. Air Force Sea Survival School Training Facility	248-8487
Bechtel Corporation	
Land Management (Cooling Canals)	

TITLE	NAME/ADDRESS	TELEPHONE	
		HOME	OFFICE
Land Management - Site Manager			
<u>Alternates:</u>			

APPENDIX C

ADDITIONAL USEFUL NUMBERS

This section lists numbers, not included in any of the call lists, which may be of use during an emergency condition.

FUNCTION	LOCATION	TELEPHONE
On Site Emergency Control Station	Turkey Point Units 3 and 4 Control Room	
On Site Emergency Control Station	Turkey Point Main Entrance Station	
Operational Support Center	1st Floor I and C Building	
	St. Lucie Plant Unit 1	
General Office Info. (business hours only)	General Office	
Assembly Area, All Personnel	Florida City Substation 16100 SW 344 Street (Palm Drive)	
Technical Support Center	Turkey Point North and adjacent to IC Building	
Emergency Operations Facility	General Office Conference Dining Area	
Juno Office Building (Business Hours only)	Juno Beach	

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EMERGENCY ROSTER

APPENDIX C

ADDITIONAL USEFUL NUMBERS (cont'd)

ORGANIZATION	TELEPHONE
State Warning Point, Tallahassee ALTERNATE	<u>Hot Ring Down Telephone No 22</u> 1-904-488-1320 1-904-488-5757
Nuclear Regulatory Commission ALTERNATE NO. 1 ALTERNATE NO. 2 ALTERNATE NO. 3	ENS Hot Line 1-202-951-0550 1-301-427-4056 1-301-492-7000
Dade County <u>Emergency Management Office</u> OFF HOURS	596-8700 or 911 and ask for Shift Commander 596-8176 or 911 and ask for Shift Commander
Monroe County <u>Civil Defense Office</u> OFF HOURS	1-294-9581 1-296-2424
HAFB Command Post	Direct Line or 257-8425 or 257-8426 or 257-8427
Dade County Fire Rescue	<u>595-6263</u>
Randle Eastern Ambulance	642-6400
REEF Notification: Mount Sinai Hospital (Primary) Baptist Hospital (Backup)	673-2183 271-6024
Division Load Dispatcher System Load Dispatcher	
U. S. Coast Guard Operations Center	350-5611

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EMERGENCY ROSTER

APPENDIX D

TSC Emergency Response Staff Call List

NAME	FUNCTION	TELEPHONE
	<u>Emergency Coordinator</u>	
	<u>Alternate</u>	
	<u>TSC Supervisor</u>	
	<u>First Alternate</u>	
	<u>Second Alternate</u>	
	<u>Third Alternate</u>	
	<u>Fourth Alternate</u>	
	<u>Ops. Supt. - N.</u>	
	<u>First Alternate</u>	
	<u>Second Alternate</u>	
	<u>Third Alternate</u>	
	<u>Fourth Alternate</u>	
	<u>Fifth Alternate</u>	
	<u>Maint. Supt. - N.</u>	
	<u>First Alternate</u>	
	<u>Second Alternate</u>	
	<u>Third Alternate</u>	
	<u>QC Supv.</u>	
	<u>Alternate</u>	
	<u>Tech. Supp. Elec.</u>	
	<u>Alternate</u>	
	<u>Tech. Supp. Mech.</u>	
	<u>Alternate</u>	
	<u>Tech. Supp. I and C</u>	
	<u>Alternate</u>	
	<u>Tech. Supp. Projects</u>	
	<u>Alternate</u>	
	<u>Tech. Supp. Rx Eng.</u>	
	<u>Alternate</u>	
	<u>Alternate</u>	
	<u>Tech. Supp. Sys. Prot.</u>	
	<u>First Alternate</u>	
	<u>Second Alternate</u>	
	<u>Tech. Supp. Chem.</u>	
	<u>Alternate</u>	
	<u>Tech. Supp. Nuc. Ing.</u>	
	<u>Alternate</u>	
	<u>Tech. Supp. D.C.</u>	
	<u>Alternate</u>	
	<u>Tech. Supp. JPE Rep.</u>	
	<u>Alternate</u>	
	<u>Tech. Supp. Fire Prot.</u>	
	<u>Alternate</u>	
	<u>HP Supp. Team Lead.</u>	
	<u>Alternate/Team Member</u>	
	<u>HP Supp. Team Member</u>	
	<u>HP Supp. Team Member</u>	

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APPENDIX D (cont'd)

TSC Emergency Response Staff Call List

NAME	FUNCTION	TELEPHONE
	Chem. Supp. Team Member	
	Chem. Supp. Team Member	
	Plt. Data Comm.	
	Alternate	
	Tech. Supp. W Rep.	
	Tech. Supp. Tech. Dept. Eng. Supv	
	Alternate	
	Corporate Communicator	
	Management Assistant	
	Off-Duty STA	
	Tech. Supp. Lead Engr.	
	Control Room Communicator	
	Alternate	
	Alternate	

APPENDIX E

OSC Emergency Response Staff Call List

NAME	FUNCTION	TELEPHONE
	<u>OSC Supv.</u>	
	<u>Alternate</u>	
	<u>Sys. Prot. Engr.</u>	
	<u>Alternate</u>	
	<u>Mech. Team Leader</u>	
	<u>Alternate</u>	
	<u>Elec. Team Leader</u>	
	<u>Alternate</u>	
	<u>Chem. Team Leader</u>	
	<u>Alternate</u>	
	<u>I and C Team Leader</u>	
	<u>Alternate</u>	

NOTE 1: Additional staff members will be notified by the corresponding team leaders or by TSC staff members.

NOTE 2: Refer to Emergency Procedure 20105, Appendixes A and B for OSC Emergency Response Team Roster and Notifications Flowpath.

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APPENDIX F

On-Site Support Centers Telephone Directory; Technical Support Center

Emergency Management Center

Emergency Coordinator - Location 1

Direct Outside Line
ENS - NRC (Red Phone) GPO-1496
Management Phone (Ivory Phone) Ext. 24
Circuit Numbers 70 PLNT 2145
2146
2147

Maintenance Superintendent - Location 2

Ext. with headset.
Plant (Pax) Phone Ext.

Operations Superintendent - Location 3

Ext. with headset
Ext. with speaker box

Corporate Communications - Location 4

Ext.
Direct outside line - Notepad
Direct outside line - Omnifax

Technical Support Group - Location 5

Ext.
Ext. with speaker box
Ext. with headset
Direct outside line
Plant (Pax) Phone Ext.

H. P. and Chemistry Support Group - Location 6

Ext.
Ext.
Ext. with headset
Ext. with speaker box
Direct outside line
Plant (Pax) Phone Ext.

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APPENDIX F (cont'd)

NRC Conference Room - Location 7

Ext.
Ext.
Ext.
Direct Outside - Omnifax
Direct Outside Line
Direct Private Outside Line
ENS (Red Phone) CKT. GP 01496
HPN (Off-white Phone) CKT. GDA 02062
Code 93 Broadcast 25
Management Phone (Ivory) Ext. 24
CKT. 70 PLNT 2145
2116
2117
Plant (Pax) Phone Ext. 189
Plant Page (P.A.) Equipment

Plant Data Communications - Location 8

A switchboard set is located at this area which contains all extensions of 245-2910 available in the TSC. Also the following direct outside lines are available:

Radio Communications - Location 9

State Hot Ring down phone CKT 30 PLNT 310414

NOTE:

Local Government Radio (LTG) -
Load Dispatcher Radio -
Plant (Pax) phone Ext.
Plant Page (P.A.) equipment

DDS Operations - Location 10

Ext.
Plant (Pax) phone Ext.

Security Area - Location 11

Plant (Pax) phone Ext.
Plant Page (P.A.) equipment

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APPENDIX F (cont'd)

Mechanical Equipment Room - Location 12

Plant (Pax) phone Ext.
Plant Page (P.A.) equipment

OSC Management Center

Bell Phone Ext.
Plant (Pax) Phone Ext.
Plant Page (PA) Equipment

OSC Assembly Area

Bell Phone Ext.
Plant (Pax) Phone Ext.



January 23, 1984
L-84-18

Mr. James P. O'Reilly
Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251

In accordance with 10 CFR 50, Appendix E, enclosed is 1 copy of Emergency Plan Implementing Procedures:

<u>Number</u>	<u>Title</u>
20103	Classification of Emergencies
20104	Emergency Roster

Names, home telephone numbers, and unlisted telephone numbers have been deleted for personal privacy.

Two copies of the Plan have been forwarded to the Document Control Center by copy of this correspondence.

Very truly yours,

A handwritten signature in dark ink, appearing to read "J. Williams" or similar, with a stylized flourish at the end.

J.W. Williams
Vice President
Nuclear Energy Department

JWW/RDM/dc

Attachments

cc: ~~Document Control Center (2 copies of attachments)~~
Harold F. Reis, Esquire
PNS-LI-84-28/L1
PNS-EP-84-9/L1

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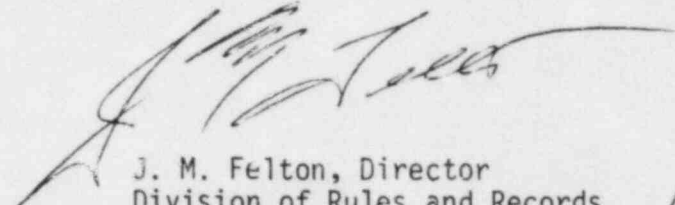
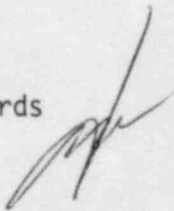
UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

March 22, 1984

50-250/251 Turkey Point

MEMORANDUM FOR: Chief, Document Management Branch, TIDC
FROM: Director, Division of Rules and Records, ADM
SUBJECT: REVIEW OF UTILITY EMERGENCY PLAN DOCUMENTATION

The submitter of the attached document has expressed no desire to withhold any information contained therein. Therefore, this material may now be made publicly available.


J. M. Felton, Director
Division of Rules and Records
Office of Administration 

Attachment: As stated