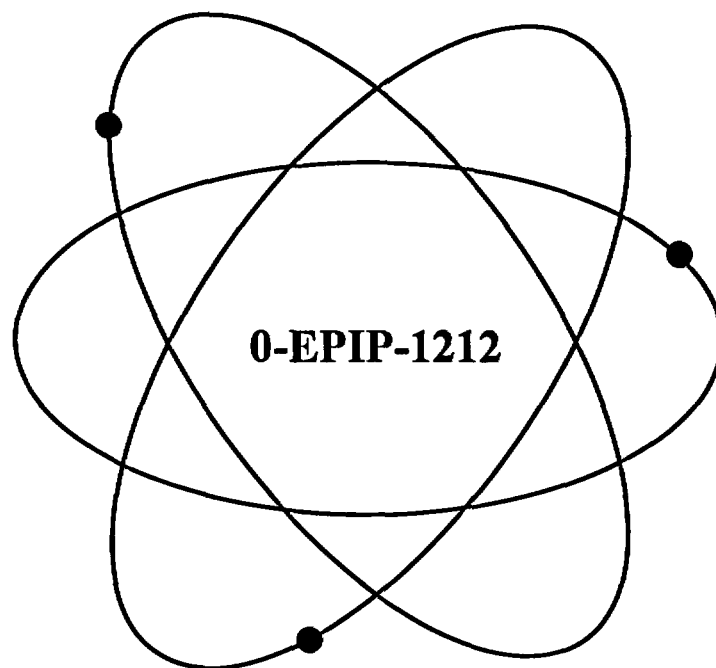


Florida Power & Light Company

Turkey Point Nuclear Plant



Title:

Emergency Operations Facility (EOF) Activation and Operation

Safety Related Procedure

| | |
|--------------------------------|------------------------|
| <i>Responsible Department:</i> | Emergency Preparedness |
| <i>Revision Approval Date:</i> | 4/18/03C |
| <i>Periodic Review Due:</i> | 9/20/04 |

RTSs 96-0772P, 96-1431, 98-0670, 00-0248P, 00-465P, 02-0866P

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1.0 PURPOSE

- 1.1 This procedure identifies the steps involved for activation and operation of the Turkey Point Emergency Operations Facility (EOF).
- 1.2 Individuals specifically designated to perform assignments identified in this procedure are listed in the Turkey Point Emergency Response Directory (ERD).

2.0 REFERENCES/RECORDS REQUIRED/COMMITMENT DOCUMENTS

2.1 References

2.1.1 Final Safety Analysis Report (FSAR)

1. Section 12

2.1.2 Plant Drawings

1. Turkey Point Units 3 and 4 as-built drawings

2.1.3 Procedures

1. 0-EPIP-1102, Duties of the Recovery Manager
2. 0-EPIP-1211, Duties of the Corporate Communications Emergency Response Organization
3. 0-EPIP-1302, PTN Core Damage Assessment
4. 0-EPIP-20126, Off-Site Dose Calculations

2.1.4 Regulatory Guidelines

1. 10 CFR 26, Fitness for Duty

2.1.5 Miscellaneous Documents

1. Turkey Point Radiological Emergency Plan
2. Turkey Point Nuclear Plant Recovery Plan
3. Turkey Point Plant Physical Security Plan
4. Turkey Point Safeguards Contingency Plan
5. Nuclear Division Policy, NP-400
6. Turkey Point Emergency Response Directory (ERD)
7. Meteorology and Atomic Energy 1968

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2.2 Records Required

2.2.1 Completed copies of the below listed item(s) constitute Quality Assurance Records and shall be transmitted to QA Records for retention in accordance with Quality Assurance Records Program requirements.

1. None

2.2.2 Collect the following material and forward to the Emergency Preparedness Coordinator for review and/or archival:

1. All attachments to this procedure or similar forms, worksheets, or reports.
2. Logs of emergency events and actions.

2.3 Commitment Documents

2.3.1 QAS-EMP 90-1, Finding 4, April 6, 1990

2.3.2 QAS-EMP 89-3, Finding 4, February 27, 1990

2.3.3 NRC IR 92-12; EW 92-12-02, May 6, 1992

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3.0 RESPONSIBILITIES

3.1 The Recovery Manager is responsible for:

- 3.1.1 Activating the EOF in accordance with 0-EPIP-1102, DUTIES OF THE RECOVERY MANAGER.
- 3.1.2 Declaring the EOF operational in accordance with 0-EPIP-1102, DUTIES OF THE RECOVERY MANAGER

3.2 The Emergency Security Manager (ESM) is responsible for:

- 3.2.1 Access and security of the EOF and ENC.
- 3.2.2 Assuring all requirements of 10 CFR Part 26, Fitness for Duty rules, are met by persons reporting for duty in pre-assigned EOF positions.
- 3.2.3 Maintaining liaison with law enforcement agencies.
- 3.2.4 Coordinating with on-site security personnel to assist in security functions as required.
- 3.2.5 Assuring prompt access to the TSC/EOF is granted for NRC responders.
- 3.2.6 Tracking the status of injured site personnel transported to off-site medical facilities.
- 3.2.7 Providing advice to the Recovery Manager in relation to security matters during a plant emergency.

3.3 The EOF Supervisor is responsible for:

- 3.3.1 Coordinating and verifying facility operational readiness.
- 3.3.2 Ensuring accountability within the EOF is maintained.
- 3.3.3 Ensuring adequate operational and technical support for the RM.
- 3.3.4 Overseeing communication to the State, counties and NRC to ensure notifications are performed in the required times.
- 3.3.5 Ensuring plant data is provided to the facility personnel via ERDADS, status boards, communicators or TV monitors.
- 3.3.6 Providing direction to the EOF Administrative Supervisor for support to the EOF staff.
- 3.3.7 Ensuring equipment is available and functional to support the event.

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3.4 The RM Operations Advisor is responsible for:

- 3.4.1 Supporting the RM in the development of Protective Action Recommendations.
- 3.4.2 Following plant status by means of EOF TSC Communicator, TV system, or other source.
- 3.4.3 Ensuring facility awareness of current EAL.
- 3.4.4 Routinely reviewing EOPs as necessary.
- 3.4.5 Assisting the RM with preparation and conduct of briefings.
- 3.4.6 Acting as a relief to the RM when the RM exits the area.
- 3.4.7 Maintaining the RM logbook.

3.5 The Technical Assistant to the RM is responsible for:

- 3.5.1 Determining present and potential Emergency Action Level Status.
- 3.5.2 Updating the 10-mile EPZ map with the Protective Actions issued.
- 3.5.3 Assisting the HRD Communicator with the completion of the state notification forms as necessary.
- 3.5.4 Assisting the RM with preparation and conduct of briefings.
- 3.5.5 Acting as a relief to the RM when the RM exits the area.
- 3.5.6 Maintaining a log of activities.

3.6 The Administrative Supervisor is responsible for:

- 3.6.1 Providing administrative support such as faxing, photocopying, distributions, etc.
- 3.6.2 Ensuring operability of EOF equipment.
- 3.6.3 Ensuring adequate measures are in place to meet personnel needs such as food, water, etc. both at the EOF and at the plant.
- 3.6.4 Arranging hotel reservations and car rentals for incoming personnel, as necessary.
- 3.6.5 Ensuring minutes of formal briefings are taken to record pertinent information discussed.

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3.7 The Health Physics Manager (HPM) / Dose Assessment Coordinator is responsible for:

- 3.7.1 Ensuring Dose Assessment functions are being performed.
- 3.7.2 Providing radiological data to the RM and assist with briefings, as necessary.
- 3.7.3 Ensuring Field Teams are tracked and coordinated between the Department of Health – Bureau of Radiation Control.
- 3.7.4 Providing radiological information to support the Emergency News Center.
- 3.7.5 Ensuring communications with the NRC via the HPN are adequate.
- 3.7.6 Ensuring radiological data is posted on the boards.
- 3.7.7 Maintaining contact and comparing Dose Assessment results with the TSC.

3.8 The Emergency Technical Manager (ETM) is responsible for:

- 3.8.1 Supporting the TSC in problem solving based on engineering design and as-built construction details.
- 3.8.2 Performing core damage assessments and providing results to the Recovery Manager.
- 3.8.3 Maintaining communications with the TSC.

3.9 The Emergency Control Officer (ECO) is responsible for:

- 3.9.1 Maintaining awareness of plant conditions, media interest, and news releases.
- 3.9.2 Ensuring support is available for offsite agencies and Corporate Communications.
- 3.9.3 Performing a technical spokesperson function.
- 3.9.4 Approving press releases.

3.10 The Nuclear Division Duty Officer (NDDO) is responsible for:

- 3.10.1 Remaining available via either telephone or pager contact for the entire duty period.
- 3.10.2 Functioning as the ECO until a designated ECO is obtained and a proper turnover has been given.
- 3.10.3 Serving as technical advisor and INPO interface.

4.0 DEFINITIONS

- 4.1 None.

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5.0 PROCEDURE

NOTES

- *To assure timely activation, EOF Responders shall be ready to assume their duties as soon as practical upon entering the EOF.*
- *To ensure all position responsibilities are completed, appropriate ERO staff shall complete applicable check-off attachments.*

5.1 Activation of the EOF

- 5.1.1 When notified, EOF emergency responders are to report to the facility as quickly as possible.
- 5.1.2 The first responders to the EOF should do the following:
 1. Upon arrival at the EOF, unlock the double entrance door to the facility by use of corporate ID or assistance from General Office (GO) security operations personnel. The door should then be blocked opened to allowed access to responders arriving thereafter.
 2. Acquire a copy of Attachment 8, EOF First Responder Check-off Sheet from the Document Control File to ensure all required activities are completed.
 3. Ensure all steps in Attachment 8, EOF First Responder Check-off Sheet have been completed and initialed. Forward the completed Attachment 8 to the Emergency Preparedness Coordinator upon conclusion of the event.
- 5.1.3 Only controlled copies of nuclear safety related procedures, drawings, and other available plant information shall be used. Non-controlled documents or drawings should be verified with a controlled copy prior to use in the EOF.
- 5.1.4 During facility briefings, stop what you are doing, pay attention, and contribute as requested.

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5.2 The following EOF positions shall acquire a copy of their associated check-off attachment and ensure all steps are completed and initialed, all attachments are signed and dated and all completed attachments are forwarded to the Emergency Preparedness Coordinator at the conclusion of the event:

NOTE

EOF personnel can acquire associated attachments from the Document Control File.

| <u>EOF POSITION</u> | <u>ATTACHMENT NO.</u> |
|--|-----------------------|
| EOF FIRST RESPONDER..... | 8 |
| EMERGENCY SECURITY MANAGER (ESM) AND SECURITY PERSONNEL | 9 |
| EOF SUPERVISOR..... | 10 |
| RM OPS ADVISOR | 11 |
| TECH ASSISTANT TO THE RM | 12 |
| STATE/COUNTY COMMUNICATOR..... | 13 |
| ENS COMMUNICATOR..... | 14 |
| ERDADS OPERATOR | 15 |
| TSC COMMUNICATOR..... | 16 |
| ADMINISTRATIVE SUPERVISOR..... | 17 |
| HPM/DOSE ASSESSMENT COORDINATOR..... | 18 |
| DOSE ASSESSMENT RECORDER | 19 |
| FIELD MONITORING COORDINATOR | 20 |
| FIELD MONITORING RECORDER..... | 21 |
| HPN COMMUNICATOR | 22 |
| EMERGENCY TECHNICAL MANAGER..... | 23 |
| EMERGENCY CONTROL OFFICER | 24 |
| NUCLEAR DIVISION DUTY OFFICER (NDDO) | 25 |
| EMERGENCY INFORMATION MANAGER/ ENC TECHNICAL ADVISORS | 26 |
| COUNTY EOC TECHNICAL ADVISORS | 27 |

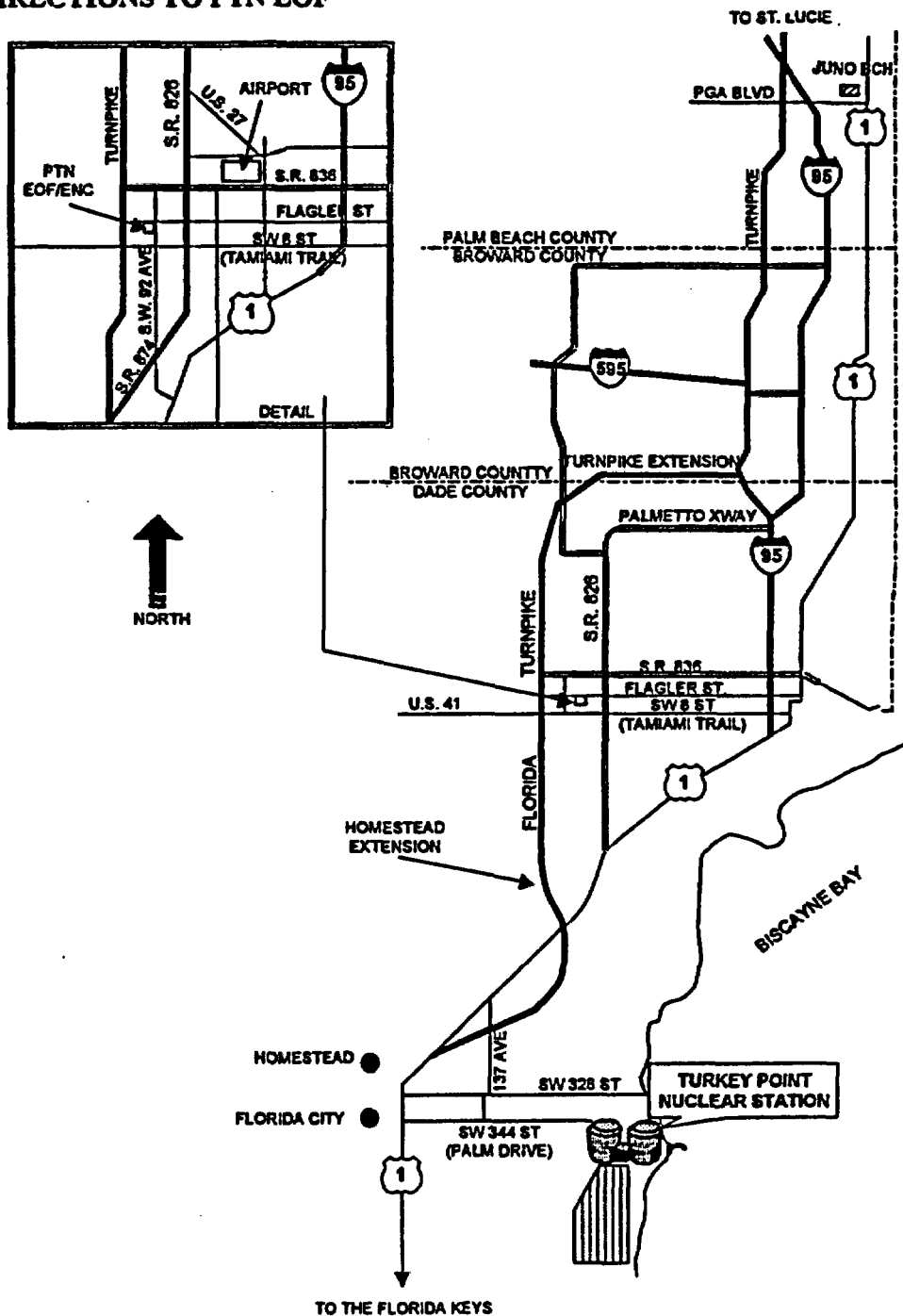
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EOF DIRECTIONS

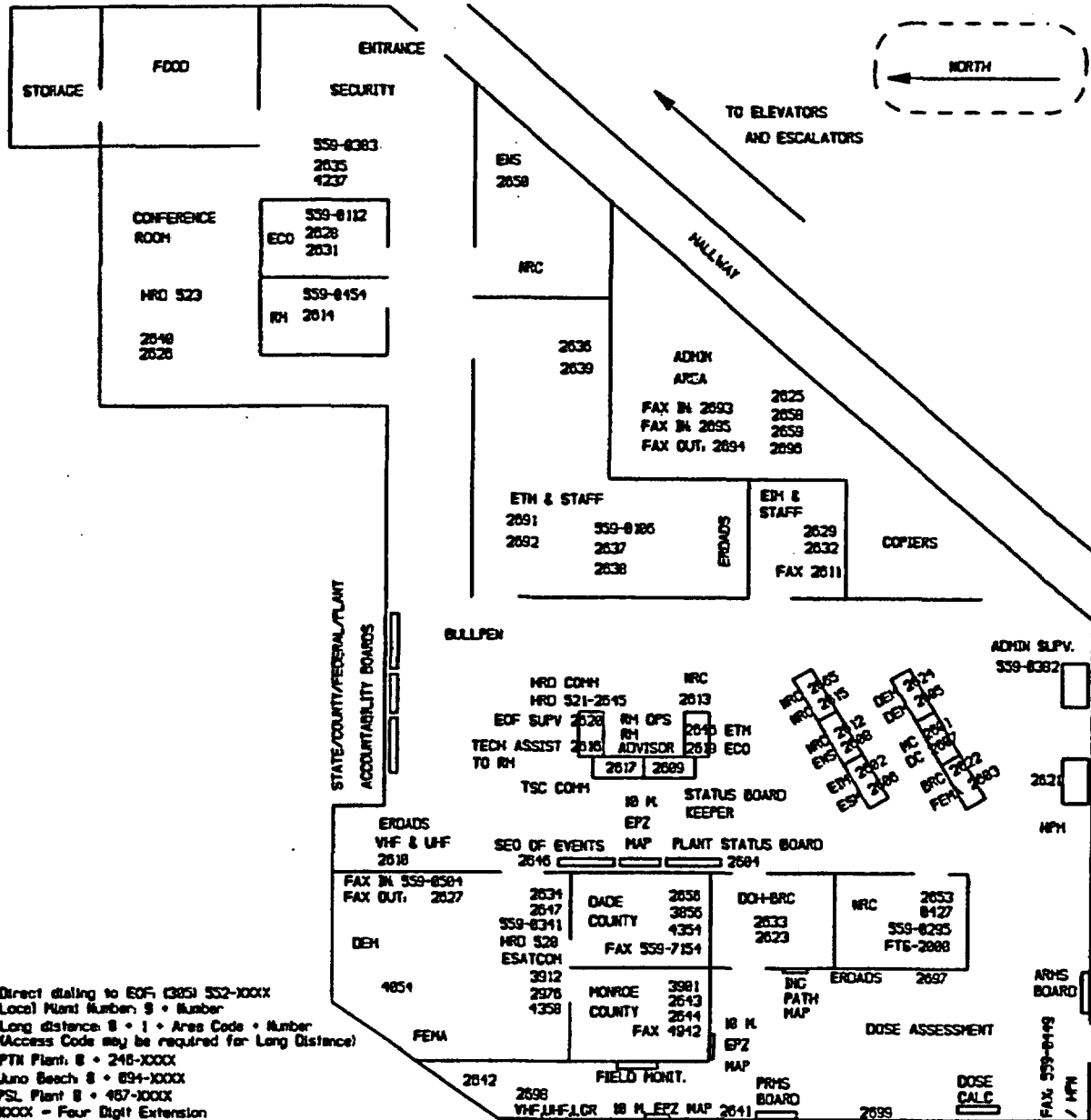
DIRECTIONS TO PTN EOF



Emergency Operations Facility (EOF) Activation and Operation

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EOF LAYOUT



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DIRECTIONS TO STATE EOC IN TALLAHASSEE

Directions:

From Tallahassee Regional Airport (TLH):

- Take Capitol Circle EAST, past Rt. 319 intersection to Centerview Drive (approximately 12 miles)
- At office complex on left (Koger Center), turn left on Centerview Drive
- Turn right into first parking lot. Located on 1st floor, southeast side of building you will be facing the State EOC as you enter the parking lot.

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ENCLOSURE 2
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SIMU-FAX INSTRUCTIONS

1. In the Admin Area of the EOF, locate the computer with the scanner attached.
2. Ensure computer is on.
3. Login using your normal computer ID (SLID) and your password.
4. Once logged in, locate the fax icon located on the bottom right of the task bar.
5. Click on **fax machine** and denote the printer as VBXSA58/HPFAX or Rightfax printer.
6. Click on **fax machine** and then click on **FaxUtil**.
7. If prompted to login, use State Notification-Don Mothena without a password. This will get you the phonebook with all of the drill/emergency related fax machines. If logged in on your own SLID, access the top right scroll bar and change your phonebook to State_Notificaiton, Don Mothena.
8. To fax, click on menu item **Fax** and then **New**.
9. The fax screen will open.
10. Click on **Phonebook**.
11. To fax to All Points, click the block to the left of ALL_STATE_NOT, then click **OK**.
12. After choosing the fax designation, you will be returned to the fax screen.
13. Click on the scan button and ensure the document to be sent is in the scanner.
14. Enter the number of pages you will be scanning in the designated block.
15. Click on **scan**.
16. You will be returned to the previous screen.
17. Ensure that the cover sheet option at the bottom left of the screen does not have a check in it (cover sheets are not desired).
18. Click on the **Send** button (top right).
19. You will be returned to the main screen where In-process faxes will show as line items.

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SIMU-FAX INSTRUCTIONS

20. Once the fax has been delivered, you can see it by choosing **List** from the Menu Bar, then clicking on **Sent Fax List (Outbound)**. Only completed faxes will be listed here. If the fax remains in the in-process page, that means it has not been delivered. Attempts to continue delivering the fax will continue, if you note that a certain fax has not been delivered, you should attempt to confirm the fax number to that location.
21. Individuals may be added to the list as needed or just entered for a one time fax, if needed. To enter the fax one time, click on **fax** and **new**, put the individual's name and fax number in the appropriate location, scan your document and click **send**.

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ENCLOSURE 3
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TYPICAL DISTRIBUTION OF INFORMATION IN THE EOF

NOTE

This is a typical distribution of information at the EOF. The distribution may be changed as necessary due to organizational needs and circumstances.

Place all distributions under appropriate phone in bullpen or in incoming trays in offices.

OFFSITE DOSE PROJECTION REPORT:

Recovery Manager (bullpen)
Emergency Control Officer (bullpen)
State/County Communicator (bullpen)
Emergency Notification System (ENS) Communicator (bullpen)
Emergency Information Manager (bullpen)
NRC (bullpen)
NRC (office)
Department of Health - Bureau of Radiation Control (bullpen)
State DEM (office)
Dade County (office)
Monroe County (office)

ERDADS PRINTOUTS:

RM Operations Advisor
Emergency Control Officer (bullpen)
Emergency Information Manager (bullpen)
Dose Assessment Coordinator (office) [should be provided with a color original]
Emergency Technical Manager (bullpen)
Emergency Technical Manager's Staff (office)

**FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORMS
AND NRC EVENT NOTIFICATION WORKSHEETS:**

Recovery Manager (bullpen)
Emergency Control Officer (bullpen)
State/County Communicator (bullpen)
ENS Communicator (bullpen)
Emergency Information Manager (bullpen)
NRC (bullpen)
NRC (office)
Department of Health - Bureau of Radiation Control (bullpen)
State DEM (office)
Dade County (office)
Monroe County (office)

NEWS RELEASES:

Recovery Manager (bullpen)
Dose Assessment Coordinator (office)
NRC (bullpen)
NRC (office)
Department of Health - Bureau of Radiation Control (bullpen)
State DEM (office)
Dade County (office)
Monroe County (office)

ENCLOSURE 4

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ERDADS DATA POINT DESCRIPTIONS

NOTES

- *The point you type in will become the point being monitored, until the display is cleared or changed to a different one.*
- *Remember that digital points are either a zero (0) or a one (1) (ON or OFF).*
- *When looking at valve positions, be aware that the point name for most Motor Operated Valves (MOVs) contains a O or C in the name to indicate whether it is the OPEN or the CLOSED limit switch; for example, MOV864AO-3. The valve is MOV-864A on Unit 3 and it is the OPEN limit switch. This means that when this point is ON or is 1, the valve is fully open.*
- *For some valves, ERDADS generates a calculated analog, e.g., MOV864A-3 is an analog point that can only have the value of 0, 1, 2, or 3. These valves are derived from the four possible combinations of the OPEN and CLOSED limit switches.*

To monitor an analog and digital plant parameter, using the Point Value (PTV) display:

1. Type PTV.
2. Press <DSPLY>.

NOTE

The display is divided into two areas: The left side displays monitored analog points; the right side digital points. The <TAB-> will move the cursor sequentially through the entry areas alternating between the analog and digital side of the screen.

3. Position the cursor using the <TAB+> and <TAB-> to an analog point (on the left), or to a digital point (on the right).
4. Type in a desired analog (or digital) point.
5. Press <ENTER>.

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ENCLOSURE 4
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ERDADS DATA POINT DESCRIPTIONS

The following data point descriptions for Turkey Point Plant correspond with the data normally tracked on the Operations Parameters Status Board. Consult ERDADS Manual, as necessary, for verification of point ID, point names or description information.

| POINT DESCRIPTION | PT ID | POINT NAME | TYPE CALCULATION | NOTES |
|-----------------------|----------|---------------|---------------------|---|
| Avg. HL Temp | 885 | THAVTEMP-3 | Average | The average of the three loop average Th. |
| RCS Pressure WR | 759 | RCSAVPRES-2 | Average | The RCS pressure is the average of the available valid channels. If one channel is good, then its value will be used. If both inputs are invalid, an average of the two channels will occur, and the result will be flagged as bad, PT404 and PT406 monitor the hot leg pressure of RCS loops B and A respectively. |
| Pressure Avg Level | 785 | PRZ-AVLVL-3 | Average | The pressurizer average level is calculated by the redundant sensor algorithm. At least two channels must agree within 8% of the calculated rejection value for a valid output. The Instrument range of 0-100% level is equivalent to 600-9050 gls. Transmitters are hot calibrated at 650 degrees F. Protection signals include: High level trip at 91% (2/3), a low low level alarm at 6%. Controls include: heaters off and letdown isolation at 14% high level alarm and heater on at LVL program + 5%, and low level alarm at LVL program -5%. |
| Charging Flow | 439 | FT122-3 | | Charging flow is provided by three electrically driven positive displacement pumps. The discharge is to a common header (flow is monitored on the common header). Flow is directed to a Loop A cold leg, PZR aux spray or Loop C hot leg. Charging flow also provides reactor coolant pump seal water flow. Charging flow rate is controlled by PZR level. |
| Core Exit Temperature | 787 | CET-3 | Highest | CET-3 is the highest of the two calculated representative CET temperature (QSPDS Train A or B). The calculated representative CET temperature is the average of the highest eight valid CET temperatures for that train. Note: Train A has 26 CETS, Train B has 25. |

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ERDADS DATA POINT DESCRIPTIONS

| POINT DESCRIPTION | PT ID | POINT NAME | TYPE CALCULATION | NOTES |
|----------------------------|-------|-------------|------------------|--|
| RCS Subcooling | 854 | SMM1LO-3 | Lowest | The subcooling saturation margin is the lowest of two (QSPDS Train A and B) calculated RCS saturation margins in degrees fahrenheit. The RCS subcooling saturation margin is calculated using the highest RCS loop temperature. |
| Reactor Upper Head Level | 768 | RXHDLVLLO-3 | Lowest | Reactor head level consists of the top two sensors (#1 and #2) of an eight sensor probe. The probe extends from the top of the head to the top of the fuel alignment plate. Each sensor consists of a heated and unheated thermocouple. The temperature difference between the thermocouples is used to detect a void. Sensor one is 178.8 inches above active fuel; indicated head level when uncovered is 33%, sensor two is 141.7 inches above active fuel; indicated head level when uncovered is 0%. |
| Reactor Plenum Water Level | 895 | RNPLLVLLO-3 | Lowest | Reactor plenum levels consists of the lower six sensors of an eight sensor probe. Each sensor consists of a heated and unheated thermocouple. The temperature difference between the thermocouple is used to detect a void. Sensor numbers 3, 4, 5, 6, 7 and 8, when uncovered, indicate respectively 81%, 58%, 40%, 28%, 16%, and 0% plenum level. Each sensor's location above active fuel is respectively 127.6, 98.4, 69.1, 54.6, 40.1, and 23.7 inches. Note: sensors 5, 6 and 7 correspond to the top, center and bottom of the outlet nozzle, respectively. |
| RHR System Flow | 437 | FT605-3 | | FT605 measures the residual heat removal (RHR) flow. RHR is provided by two RHR pumps. Each pump discharges to its own associated heat exchanger. Flows from the heat exchanger are combined into a single header for penetration into containment. Flow in this line is measured by FT-605. Flow is then directed to Loops A, B and C cold legs. |

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ERDADS DATA POINT DESCRIPTIONS

| POINT DESCRIPTION | PT ID | POINT NAME | TYPE CALCULATION | NOTES |
|----------------------------------|----------|---------------|---------------------|--|
| HHSI Flow to Bit to Cold Legs | 452 | FT943 | | FT943 measures HHSI flow to loops A, B and C cold legs. HHSI is provided by two electrically driven pumps. The water supply is the respective unit's RWST (322K gls). The discharge of each pump is directed to its own header. Note: The Unit 3 and 4 RWST and discharge headers are normally cross-connected. |
| Containment Temperature | 769 | CTMTVTMP-3 | Average | The containment temperature is the average of three channels (TE6700, TE6701, and TE6702). Each channel uses a 200 ohm platinum RTD. All channels are located on the 58 ft. elevation at 120 degree intervals. TE6700 is near the B normal containment cooler, TE6701 is near the 3C normal containment cooler, and TE6702 is near the 3C emergency containment filters. |
| Containment Pressure | 880 | | | Note: Code chooses between current low or high range instrument values. |
| Containment Pressure | 865 | | | Note: Code chooses between current low or high range instrument values. |
| CTMT Hydrogen Concentration | 788 | CTMTG2CONC-3 | Highest | Two channels of instrumentation are provided. The highest of which is being reported. A % hydrogen signal is developed by comparing the thermal conductivity of reference sample with the conductivity of a sample after removing any hydrogen. The system provides a high hydrogen alarm at 7.5%, low and high cell failure, calibration gas low pressure, reagent gas low pressure and low analyzer flow alarms. |
| Steam Gen. A Wide Range Level | 375 | LT477-3 | | The wide range instrument provides for 515 inches of level indication. This is equivalent to 750 gallons at 0% level and 27500 gallons at 100% level. The conversion from % to gallons is (0 to 51.9%, each % = 187.5 gls); (52 to 72.9%, each % = 273.8 gls); (73 to 100%, each % = 416.6 gls). Note: This instrument is cold calibrated. |

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ERDADS DATA POINT DESCRIPTIONS

| POINT DESCRIPTION | PT ID | POINT NAME | TYPE CALCULATION | NOTES |
|----------------------------------|------------------|-----------------------|-----------------------------|--|
| Steam Gen B Wide Range Level | 379 | LT487-3 | | The wide range instrument provides for 516 inches of level indication. This is equivalent to 750 gls at 0% level and 27500 gls. at 100% level. The conversion from % to gallons is (0 to 51.9%, each % = 187.5 gls); (52 to 72.9%, each % = 273.8 gls); (73 to 100%, each % = 416.6 gls). Note: This instrument is cold calibrated. |
| Steam Gen. C Wide Range Level | 383 | LT497-3 | | This wide range instrument provides for 516 inches of level indication. This is equivalent to 750 gls at 0% level and 27500 gls at 100% level. The conversion from % to gallons is (0 to 51.9%, each % = 187.5 gls); (52 to 72.9%, each % = 273.8 gls); (73 to 100%, each % = 416.6 gls). Note: This instrument is cold calibrated. |
| Steam Generator Pressure A | 806 | SGA-AVPRES-3 | Average | The S/G pressure is an average calculated by the redundant sensor algorithm. At least two channels must agree within 120 psi of the calculated rejection value for a valid output. The sensing line for S/G pressure is located on the steam header on the S/G side of the MSIVs. These channels provide for the steam break ESFAS at (S/G press) = 1000 psi of (Header Press) (2/3 for 1/3 S/G) and low S/G pressure ESFAS at = 614 psi (2/3 S/G on protection set one only). Note: S/G press provides compensation to the steam flow channels. |
| Steam Gen. Pressure B | 808 | SGB-AVPRES-3 | Average | The S/G pressure is an average calculated by the redundant sensor algorithm. At least two channels must agree within 120 psi of the calculated rejection value for a valid output. The sensing line for S/G pressure is located on the steam header on the S/G side of the MSIVs. These channels provide for the steam break ESFAS at (S/G press) = 1000 psi of (Header Press) (2/3 for 1/3 S/G) and low S/G pressure ESFAS at = 614 psi (2/3 S/G on protection set one only). Note: S/G press provides compensation to the steam flow channels. |

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ERDADS DATA POINT DESCRIPTIONS

| POINT DESCRIPTION | PT ID | POINT NAME | TYPE CALCULATION | NOTES |
|-------------------------------|------------------|-----------------------|-----------------------------|--|
| Steam Generator Pressure C | 810 | SGC-AVPRES-3 | Average | The S/G pressure is an average calculated by the redundant sensor algorithm. At least two channels must agree within 120 psi of the calculated rejection value for a valid output. The sensing line for S/G pressure is located on the steam header on the S/G side of the MSIVs. These channels provide for the steam break ESFAS at (S/G press) = 1000 psi of (Header Press) (2/3 for 1/3 S/G) and low S/G pressure ESFAS at = 614 psi (2/3 S/G on protection set one only). Note: S/G press provides compensation to the steam flow channels. |
| Containment Radiation (WR) | 790 | CTMHRADW-3 | Highest | CTMHRADW is the highest of the two input channels RAD6311A and RAD6311B. Both channels used ion chamber detectors. RAD6311 is located inside containment on the 25 ft elevation near the personnel hatch. RAD6311B is located at about the 64 ft. elevation of the S/G shield wall near the pressurizer arms channel R-2. These channels have two high alarm setpoints. On a high alarm, an annunciator will be actuated. |
| Refueling Water Tank Level | 844 | RWSTLOLVL-3 | Lowest | Each RWST level loop consists of a Rosemount DP transmitter and Foxboro modules to provide alarm and indication functions. Alarms provided are: low-low level at 60,000 gallons, low level at 155,000 gallons. Tech Spec level at 322,000 gallons, and high level at 333,000 gallons. |

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ERDADS DATA POINT DESCRIPTIONS

| POINT DESCRIPTION | PT ID | POINT NAME | TYPE CALCULATION | NOTES |
|------------------------------|------------------|-----------------------|-----------------------------|---|
| Aux-Feedwater Flow A SG | 821 | SGAFWFLO-3 | Sum | The AFW flow is the sum of trains one and two for each S/G. The aux feed is supplied by three steam driven pumps which discharge to two redundant trains. Each train supplies flow to both units and may feed any of the S/Gs. Administratively Pump A is aligned to Train one Pump B and C to Train two. The condensate storage tanks (250K gls ea) are the normal supply to the Aux Feed System. |
| Aux Feedwater Flow B SG | 824 | SGBAFWFLO-3 | Sum | The AFW flow is the sum of trains one and two for each S/G. The aux feed is supplied by three steam driven pumps which discharge to two redundant trains. Each train supplies flow to both units and may feed any of the S/Gs. Administratively pump A is aligned to Train one; Pumps B and C to Train two. The condensate storage tanks (250K gls ea) are the normal supply to the Aux Feed System. |
| Aux Feedwater Flow C SG | 827 | SGCAFWFLO-3 | Sum | The AFW flow is the sum of trains one and two for each S/G. The aux feed is supplied by three steam driven pumps which discharge to two redundant trains. Each train supplies flow to both units and may feed any of the S/Gs. Administratively Pump A is aligned to train one, Pump B and C to train two. The condensate storage tanks (250K gls. ea.) are the normal supply to the Aux Feed System. |

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ERDADS DATA POINT DESCRIPTIONS

| POINT DESCRIPTION | PT ID | POINT NAME | TYPE CALCULATION | NOTES |
|----------------------------------|------------------|-----------------------|-----------------------------|--|
| Condensate Storage Tank Level | 843 | CSTLOGAL-3 | Minimum | Lowest of the two tank level transmitters is used. |
| Stm Dump to ATMOS Stm Gen A | 630 | CV1606 | | Valve stem contact switch provides for a closed or not closed indication. |
| Stm Dump to ATMOS Stm G B | 631 | CV1607 | | |
| Stm Dump to ATMOS Stm G C | 600 | CV1608 | | |
| Pressurizer PORV from PT444 | H20 | PCV455C | | Valve position is calculated from current status of the two valve position switches. Calculation will give one of four results based on the two input switches. Positions given are: Failed, Open, Closed, and Throttled. |
| Pressurizer PORV from PT445 | H21 | PCV456 | | |

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ENCLOSURE 5
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GUIDELINES ON BRIEFING THE MEDIA

Information should be verified for accuracy prior to being released to the media.

Acronyms and **power plant** terminology should not be used during media briefings.

Media briefings should be held at set times whenever possible. If they are to be delayed, a courtesy announcement should be provided to the media.

EIM and PIOs should attend the briefing for the entire duration. If they must be excused, an explanation should be given to limit media confusion.

If press releases are passed out in a briefing, they should be addressed and explained to the media.

Conferring amongst the EIM, ECO, and PIOs while in front of the media is distracting and should be avoided.

Know what your main messages are before the briefing and emphasize their importance during your delivery.

Stick to the agenda; maintain control.

Try to begin and end the interview with a summary of your main message.

Try not to use phrases such as **That's a good question**, or **I'm glad you asked that** unless you need a few seconds to compose an answer.

Simplify technical explanations; try to relay the message in laymans terms.

Don't refer to the competition, even when asked. Speak only for your company or organization. If the story concerns an interview about your industry at-large, be certain you are the proper person to comment.

If you must own up to unfavorable facts, acknowledge them in a gracious, fair manner, such as, **Certainly there are instances of unethical behavior in every profession**, then quickly move on.

Do respond in a sincere, direct and cooperative manner.

Keep it short and keep it simple.

Listen carefully to the question; if it's negative, answer in the positive whenever possible.

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GUIDELINES ON BRIEFING THE MEDIA

Back up a claim you make with facts and stick to the facts.

Speak from the viewpoint of the public's interest.

When necessary, say I don't know, but I'll try to find out for you.

Be aware that everything you say is subject to being quoted – before, during and after your interview or news conference.

Do not speculate; never guess; avoid what if questions.

Don't talk off the record, there is no such thing.

Don't argue, get angry, ramble, joke or act superior.

Don't use the term no comment, offer a brief explanation, if appropriate, such as: that hasn't been determined, or we don't disclose that kind of information (i.e., customer or employee specific information).

Don't try to fool a reporter or indicate you know something you don't; be honest.

Avoid calling a reporter by name in a news conference that's being taped; it may keep competing broadcasters from using your answer.

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ATTACHMENT 1

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FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

1. A. ☐ This Is A Drill B. ☐ This Is An EmergencyOnLine Notification ☐ SWP ☐ MIAMI-DADE COUNTY ☐ MONROE COUNTY

2. A. Date: ___/___/___ B. Contact Time: ___ C. Reported By: Name _____

D. Message Number: _____

E. Reported From: ☐ Control Room ☐ TSC ☐ EOF3. SITE: A. ☐ CR UNIT 3 B. ☐ SL UNIT 1 C. ☐ SL UNIT 2 D. ☐ TP UNIT 3 E. ☐ TP UNIT 44. EMERGENCY CLASSIFICATION: A. ☐ Notification Of Unusual Event B. ☐ AlertC. ☐ Site Area Emergency D. ☐ General Emergency5. A. ☐ EMERGENCY DECLARATION: B. ☐ EMERGENCY TERMINATION: Date: ___/___/___ Time: _____6. REASON FOR EMERGENCY DECLARATION: A. ☐ EAL Number: _____ OR B. ☐ Description: _____7. ADDITIONAL INFORMATION OR UPDATE: A. ☐ None OR B. ☐ _____

8. WEATHER DATA: A. Wind direction from _____ degrees B. Downwind Sectors affected _____

9. RELEASE STATUS: A. ☐ None (Go to Item 11) B. ☐ Is occurring C. ☐ Has occurred, but stopped

10. RELEASE SIGNIFICANCE CATEGORY: (at the Site Boundary)

A. ☐ Information not available at this time B. ☐ Release within Normal Operating Limits (Tech Specs)C. ☐ Non-Significant (Fraction of PAG Range) D. ☐ PAG Range (Protective Actions required)

11. UTILITY RECOMMENDED PROTECTIVE ACTIONS FOR THE PUBLIC:

A. ☐ No recommended actions at this time.B. ☐ The utility recommends the following protective actions:

EVACUATE ZONES: _____ OR Miles No Action Evacuate Sectors Shelter Sectors

SHELTER ZONES: _____ 0-2 _____

2-5 _____

C. Consider Issuance of KI: ☐ YES ☐ NO 5-10 _____

If form is completed in the Control Room, go to Item 15. If completed in the TSC or EOF, continue with Item 12.

12. PLANT CONDITIONS:

A. Reactor Shutdown? ☐ YES ☐ NOB. Core Adequately Cooled? ☐ YES ☐ NOC. Containment Intact? ☐ YES ☐ NOD. Core Condition: ☐ Stable ☐ Degrading

13. WEATHER DATA: A. Wind Speed _____ mph B. Stability Class _____

14. ADDITIONAL RELEASE INFORMATION:

A. Noble Gases _____ Curies per second B. Iodines _____ Curies per second

C. Airborne: Date Started ___/___/___ Time Started _____ Date Stopped ___/___/___ Time Stopped _____

D. Liquid: Date Started ___/___/___ Time Started _____ Date Stopped ___/___/___ Time Stopped _____

Distance Protected Thyroid Dose (CDE) for 1 Hour Protected Total Dose (TEDE) for 1 Hour

1 Mile (Site Boundary) E. _____ mrem F. _____ mrem

2 Miles G. _____ mrem H. _____ mrem

5 Miles I. _____ mrem J. _____ mrem

10 Miles K. _____ mrem L. _____ mrem

EC or RM Approval Signature _____ Date ___/___/___ Time _____

15. MESSAGE RECEIVED BY: Name _____ Date ___/___/___ Time _____

2003 STATE NOTIFICATION FORM REVISION 9.doc

05/28/03

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**FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM
METEOROLOGICAL WORKSHEET**

SECTOR REFERENCE:

The chart below can be used to determine sectors affected by a radiological release, through comparison with wind direction from the meteorological recorders in the Control Room.

If the wind direction is directly on the edge of two sectors (e.g., 11°, 33°, 56°, etc.), an additional sector should be added to the protective action recommendations. For example, if the wind direction is from 78°, then the affected sectors for PARs should be L, M, N and P.

SECTOR INFORMATION:

| WIND SECTOR | WIND FROM | DEGREES | WIND TOWARD | SECTORS AFFECTED |
|-------------|-----------|---------|-------------|------------------|
| [A] | N | 348-11 | S | HJK |
| [B] | NNE | 11-33 | SSW | JKL |
| [C] | NE | 33-56 | SW | KLM |
| [D] | ENE | 56-78 | WSW | LMN |
| [E] | E | 78-101 | W | MNP |
| [F] | ESE | 101-123 | WNW | NPQ |
| [G] | SE | 123-146 | NW | PQR |
| [H] | SSE | 146-168 | NNW | QRA |
| [J] | S | 168-191 | N | RAB |
| [K] | SSW | 191-213 | NNE | ABC |
| [L] | SW | 213-236 | NE | BCD |
| [M] | WSW | 236-258 | ENE | CDE |
| [N] | W | 258-281 | E | DEF |
| [P] | WNW | 281-303 | ESE | EFG |
| [Q] | NW | 303-326 | SE | FGH |
| [R] | NNW | 326-348 | SSE | GHJ |

STABILITY CLASSIFICATION REFERENCE:

The below chart can be used to determine atmospheric stability classification for notification to the State of Florida. Primary method is from ΔT via the South Dade (60 meter) tower. Backup method is from Sigma Theta via the Ten Meter Tower. If neither meteorological tower is available, Stability Classification shall be determined using data from National Weather Service (See 0-EPIP-20126, Off-site Dose Calculations).

CLASSIFICATION OF ATMOSPHERIC STABILITY:

| Stability Classification | Pasquill Categories | Primary Delta T (°F) | Backup Sigma Theta Range (Degrees) |
|--------------------------|---------------------|-----------------------------|------------------------------------|
| Extremely unstable | A | $\Delta T \leq -1.7$ | $ST \geq 22.5$ |
| Moderately unstable | B | $-1.7 < \Delta T \leq -1.5$ | $22.5 > ST \geq 17.5$ |
| Slightly unstable | C | $-1.5 < \Delta T \leq -1.4$ | $17.5 > ST \geq 12.5$ |
| Neutral | D | $-1.4 < \Delta T \leq -0.5$ | $12.5 > ST \geq 7.5$ |
| Slightly stable | E | $-0.5 < \Delta T \leq +1.4$ | $7.5 > ST \geq 3.8$ |
| Moderately stable | F | $+1.4 < \Delta T \leq +3.6$ | $3.8 > ST \geq 2.1$ |
| Extremely stable | G | $+3.6 < \Delta T$ | $2.1 > ST$ |

Meteorological information needed to fill out the Florida Nuclear Plant Emergency Notification Form is available from the Dose Calculation Worksheet (0-EPIP-20126). The Worksheet shall be filled out by Chemistry and given to the Emergency Coordinator.

| | | |
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EVENT NOTIFICATION WORKSHEET

| | | | | | | | |
|---|--------------------------|---|--------------------------|--|--|--|--|
| NRC FORM 361 (12-2000) | | REACTOR PLANT EVENT NOTIFICATION WORKSHEET | | | | US NUCLEAR REGULATORY COMMISSION OPERATIONS CENTER EN# | |
| NRC OPERATION TELEPHONE NUMBER: PRIMARY - 301-816-5100 OR 800-532-3469*, BACKUPS - [1st] 301-951-0550 or 800-449-3694*, [2nd] 301-415-0550 AND [3rd] 301-415-0553 *Licensees who maintain their own ETS are provided these telephone numbers. | | | | | | | |
| NOTIFICATION TIME | FACILITY OR ORGANIZATION | UNIT | NAME OF CALLER | | | CALL BACK # | |
| EVENT TIME & ZONE | EVENT DATE | POWER/MODE BEFORE | | | POWER/MODE AFTER | | |
| EVENT CLASSIFICATIONS | | 1-Hr. Non-Emergency 10 CFR 50.72(b)(1) | | | <input type="checkbox"/> (v)(A) Safe S/D Capability AINA | | |
| GENERAL EMERGENCY GEN/AAEC | | TS Deviation ADEV | | | <input type="checkbox"/> (v)(B) RHR Capability AINB | | |
| SITE AREA EMERGENCY SIT/AAEC | | 4-Hr. Non-Emergency 10 CFR 50.72(b)(2) | | | <input type="checkbox"/> (v)(C) Control of Rad Release AINC | | |
| ALERT ALE/AAEC | | (i) TS Required S/D ASHU | | | <input type="checkbox"/> (v)(D) Accident Mitigation AIND | | |
| UNUSUAL EVENT UNU/AAEC | | (iv)(A) ECCS Discharge to RCS ACCS | | | <input type="checkbox"/> (x)(i) Off-site Medical AMED | | |
| 50.72 NON-EMERGENCY (see next columns) | | (iv)(B) RPS Actuation (scram) ARPS | | | <input type="checkbox"/> (x)(ii) Loss Conn/Asmt/Resp ACOM | | |
| PHYSICAL SECURITY (73.71) DDDD | | (x)(i) Off-site Notification APRE | | | 60-Day Optional 10 CFR 50.73(a)(1) | | |
| MATERIAL/EXPOSURE B7?? | | 8-Hr. Non-Emergency 10 CFR 50.72(b)(3) | | | <input type="checkbox"/> Invalid Specified System Actuation AINV | | |
| FITNESS FOR DUTY HFIT | | (ii)(A) Degraded Condition ADEG | | | Other Unspecified Requirement (Identity) | | |
| OTHER UNSPECIFIED REOMT. (see last column) | | (ii)(B) Unanalyzed Condition AUNA | | | | | |
| INFORMATION ONLY NNF | | (iv)(A) Specified System Actuation AESF | | | | | |
| DESCRIPTION | | | | | | | |
| Include: Systems affected, actuations and their initiating signals, causes, effect of event on plant, actions or planned, etc. (Continue on back) | | | | | | | |
| | | | | | | | |
| NOTIFICATIONS | YES | NO | WILL BE | ANYTHING UNUSUAL OR NOT UNDERSTOOD? <input type="checkbox"/> YES (Explain above) <input type="checkbox"/> NO | | | |
| NRC RESIDENT | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| STATE(s) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | DID ALL SYSTEMS FUNCTION AS REQUIRED? <input type="checkbox"/> YES <input type="checkbox"/> NO (Explain above) | | | |
| LOCAL | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| OTHER GOV AGENCIES | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | MODE OF OPERATION UNTIL ESTIMATED RESTART DATE: <input type="checkbox"/> YES <input type="checkbox"/> NO | | | |
| MEDIA/PRESS RELEASE | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | CORRECTED:: | | | |

NRC FORM 361 (12-200)

F-443/1:2 - Rev. 0 (1/10/03)

*/MR/bsc/ma/ev

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EVENT NOTIFICATION WORKSHEET

ADDITIONAL INFORMATION

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| RADIOLOGICAL RELEASES: CHECK OR FILL IN APPLICABLE ITEMS (specific details/explanations should be covered in event description) | | | | | | |
|---|-----------------------|---|-----------------------------|------------------------------------|------------------------------------|-----------|
| LIQUID RELEASE | GASEOUS RELEASE | UNPLANNED RELEASE | PLANNED RELEASE | ONGOING | TERMINATED | |
| MONITORED | UNMONITORED | OFF-SITE RELEASE | T.S. EXCEEDED | RM ALARMS | AREAS EVACUATED | |
| PERSONNEL EXPOSED OR CONTAMINATED | | OFF-SITE PROTECTIVE ACTIONS RECOMMENDED | | *State release path in description | | |
| | Release Rate (Ci/sec) | % T.S. LIMIT | HOO GUIDE | Total Activity (Ci) | % T.S. LIMIT | HOO GUIDE |
| Noble Gas | | | 0.1 Ci/sec | | | 1000 Ci |
| Iodine | | | 10 uCi/sec | | | 0.01 Ci |
| Particulate | | | 1 uCi/sec | | | 1 mCi |
| Liquid (excluding tritium and dissolved noble gases) | | | 10 uCi/min | | | 0.1 Ci |
| Liquid (tritium) | | | 0.2 Ci/min | | | 5 Ci |
| Total Activity | | | | | | |
| | PLANT STACK | CONDENSER/AIR EJECTOR | MAIN STEAM LINE | SG BLOWDOWN | OTHER | |
| RAD MONITOR READINGS: | | | | | | |
| ALARM SETPOINTS: | | | | | | |
| % T.S. LIMIT (if applicable) | | | | | | |
| RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS: (specific details/explanations should be covered in event description) | | | | | | |
| LOCATION OF THE LEAK (e.g., SG #, valve, pipe, etc) | | | | | | |
| LEAK RATE: | | UNITS: gpm/gpd | T.S. LIMITS: | SUDDEN OR LONG TERM DEVELOPMENT: | | |
| LEAK START DATE: | | TIME: | COOLANT ACTIVITY AND UNITS: | <input type="checkbox"/> PRIMARY | <input type="checkbox"/> SECONDARY | |
| LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL: | | | | | | |
| EVENT DESCRIPTION (Continued from front) | | | | | | |

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 3
(Page 1 of 1)

INJURED PERSON REPORT

| | | | | |
|---|-------------------------------|--|--|---|
| Name: | | Employer: <input type="checkbox"/> FPL <input type="checkbox"/> OTHER (LIST COMPANY NAME) | | JOB DESCRIPTION: |
| TIME INJURED: | TIME REPORTED: | NATURE OF INJURY: | | LOCATION WHERE INJURY OCCURRED: |
| IS THE VICTIM CONTAMINATED? <input type="checkbox"/> NO <input type="checkbox"/> YES | WHAT BODY PARTS CONTAMINATED? | Level of Contamination | AREA ____ LEVEL ____ AREA ____ LEVEL ____ AREA ____ LEVEL ____ | DPM ____ CPM ____ DPM ____ CPM ____ DPM ____ CPM ____ |
| TRANSPORTED TO HOSPITAL? <input type="checkbox"/> NO <input type="checkbox"/> YES | HOW TRANSPORTED? | NAME OF HOSPITAL OR OTHER LOCATION | | |
| ACTIVITY AT THE TIME INJURY OCCURRED | | CURRENT MEDICAL CONDITION | | |
| MISC. INFO | | | | |

| | | | | |
|---|-------------------------------|--|--|---|
| Name: | | Employer: <input type="checkbox"/> FPL <input type="checkbox"/> OTHER (LIST COMPANY NAME) | | JOB DESCRIPTION: |
| TIME INJURED: | TIME REPORTED: | NATURE OF INJURY: | | LOCATION WHERE INJURY OCCURRED: |
| IS THE VICTIM CONTAMINATED? <input type="checkbox"/> NO <input type="checkbox"/> YES | WHAT BODY PARTS CONTAMINATED? | Level of Contamination | AREA ____ LEVEL ____ AREA ____ LEVEL ____ AREA ____ LEVEL ____ | DPM ____ CPM ____ DPM ____ CPM ____ DPM ____ CPM ____ |
| TRANSPORTED TO HOSPITAL? <input type="checkbox"/> NO <input type="checkbox"/> YES | HOW TRANSPORTED? | NAME OF HOSPITAL OR OTHER LOCATION | | |
| ACTIVITY AT THE TIME INJURY OCCURRED | | CURRENT MEDICAL CONDITION | | |
| MISC. INFO | | | | |

ATTACHMENT 4

(Page 1 of 3)

EMERGENCY PLAN SECURITY CHECKLIST

| ITEM | EVENT/ACTION | START TIME | FINISH TIME |
|------|---|------------|-------------|
| 1 | TYPE OF EVENT | N/A | N/A |
| A | LOCAL AREA EVACUATION | | |
| B | CONTROL ROOM EVALUATION | | |
| | S/O POSTED AT D840 | N/A | |
| C | UNUSUAL EVENT | | N/A |
| D | ALERT - PATROL DISPATCHED FOR OCA NOTIFICATION | | N/A |
| | SCHOOL/TRAINING/WEELNESS COMPLEX NOTIFIED | N/A | |
| | BOAT RAMP SIGNS POSTED/PERSONNEL NOTIFIED | N/A | |
| | RED BARN/SCOUT CAMP NOTIFIED | N/A | |
| | SWITCHYARD PERSONNEL NOTIFIED | N/A | |
| | PERSONNEL IN TRAILERS SOUTH OF CRF NOTIFIED | N/A | |
| | PERSONNEL IN LAYDOWN AREA NORTH OF CRF NOTIFIED | N/A | |
| | FOSSIL CONTROL ROOM NOTIFIED | N/A | |
| | OCA NOTIFICATIONS COMPLETE | N/A | |
| E | SITE AREA EMERGENCY | | N/A |
| F | GENERAL EMERGENCY | | N/A |
| 2 | DISPATCH SUPERVISOR AND S/O TO OPEN TSC | | N/A |
| A | TSC POSTED | N/A | |
| 3 | DISPATCH 2 S/Os TO OPEN OSC | | N/A |
| A | OSC POSTED | N/A | |
| 4 | TSC SECURITY SUPERVISOR POSTED IN TSC | N/A | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

ATTACHMENT 4

(Page 2 of 3)

EMERGENCY PLAN SECURITY CHECKLIST

| ITEM | EVENT/ACTION | START TIME | FINISH TIME |
|------|--|------------|-------------|
| 5 | EVACUATION ROUTE PRIMARY ALTERNATE | N/A | N/A |
| A | PRIMARY EVACUATION ROUTE | N/A | N/A |
| | DISPATCH S/O TO PRIMARY OSAA | | N/A |
| | DISPATCH S/O TO FPL PROPERTY LINE | | N/A |
| | S/O POSTED AT PRIMARY OSAA | N/A | |
| | S/O POSTED AT FPL PROPERTY LINE | N/A | |
| | S/O AT PROPERTY LINE RELOCATED TO LLEA CONTROL POINT | N/A | |
| B | ALTERNATE EVACUATION ROUTE | N/A | N/A |
| | DISPATCH S/Os TO TOWER GATE AND ALTERNATE OSAA | | N/A |
| | S/O POSTED AT TOWER GATE | N/A | |
| | S/O POSTED AT ALTERNATE OSAA | N/A | |
| | S/O POSTED AT CARD SOUND ROAD | N/A | |
| 6 | PA ACCESS RESTRICTED TO ERD PERSONNEL | | N/A |
| 7 | VISITORS DIRECTED TO LEAVE PA | | N/A |
| A | VISITORS ACCOUNTED FOR | N/A | |
| 8 | CONTRACTOR PERSONNEL DIRECTED TO LEAVE PA | | N/A |
| A | CONTRACTOR PERSONNEL ACCOUNTED FOR | N/A | |
| 9 | PA EVACUATION DIRECTED | | N/A |
| A | ACCOUNTABILITY STARTED | | N/A |
| B | INITIAL ACCOUNTABILITY COMPLETED | N/A | |
| C | ALL PERSONNEL ACCOUNTED FOR | N/A | |
| D | RCA SWEEPS STARTED | | N/A |
| E | RCA SWEEPS COMPLETED | N/A | |
| F | PA SWEEPS STARTED | | N/A |
| G | PA SWEEPS COMPLETED | N/A | |
| | | | |
| | | | |
| | | | |

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 5
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ENGINEERING TECHNICAL RESPONSE WORKSHEET

TO: _____

| | | | | | | | |
|--|------------------|-----------|----------------|------------------------------------|--|-------------------------|--|
| SUBJECT | | | | | | | |
| DATE & TIME RECEIVED | REQUESTER | | | | | | |
| REQUEST | | | | | | | |
| RESPONSE | | | | | | | |
| <table border="1"> <tr> <td>BY</td> <td>CHECKED</td> </tr> <tr> <td colspan="2">EMERGENCY TECHNICAL MANAGER</td> </tr> <tr> <td colspan="2">DATE & TIME:</td> </tr> </table> | | BY | CHECKED | EMERGENCY TECHNICAL MANAGER | | DATE & TIME: | |
| BY | CHECKED | | | | | | |
| EMERGENCY TECHNICAL MANAGER | | | | | | | |
| DATE & TIME: | | | | | | | |

0-EPIP-1212

Emergency Operations Facility (EOF) Activation and Operation

ATTACHMENT 6
(Page 1 of 1)

EOF ACCESS LOG

[illegible]

***** If you have consumed alcohol within the past 5 hours, ensure Emergency Security Manager is promptly informed of your status.**

| | | |
|----------------|---|----------------------------|
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ATTACHMENT 7

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FIELD MONITORING AND PLUME PROJECTION RESULTS

Guidance for Completing the FIELD MONITORING AND PLUME PROJECTION RESULTS FORM

SAMPLE TIME – Time of sample acquisition

SURVEY TEAM – FPL teams, team named by TSC

SAMPLE SITE DATA – Location of sampling activities

REFERENCE LOCATION - Used only if at a **pre identified** location; those locations on the survey maps

MILES FROM PLANT – Best approximation from map; plant to survey location

DIRECTION FROM PLANT – Compass degrees from plant to survey location

DOWNWIND DIRECTION – The indicated, at plant, downwind direction at the time of sampling

(the difference between direction from plant and downwind direction yields a **relative to centerline distance**)

FIELD SURVEY RESULTS

- Plume (DDE) mR/Hr - Team will report the Deep Dose Equivalent (DDE) meter reading
- I uCi/cc Team reports Iodine – 131 concentration
- Thyroid (DCE) mRem/Hr – Team reports thyroid dose rate
- CL – Enter Y if the team is on the **centerline**, i.e., the direction from plant = downwind direction

PLUME PROJECITONS –

Determine the printout to be used for comparison as follows:

- Divide the field Monitoring Team MILES FROM PLANT by the average wind speed, answer is hours
- Subtract the hours from the actual SAMPLE TIME, this estimates the release **time of day** for the portion of the plume being sampled.
- Select the latest printout that has a release **Observation time** before the estimated **time of day**
- From that printout, Enter the plume DDE, Thyroid CDE and printout #
- Enter the average wind speed used above for WIND M.P.H.

RATIO – i. **IF** the team sampled centerline at 1, 2, 5, 7.5, 10, 15, 20, 25 miles **OR** at a predesignated sampling location, **THEN** the ratios are the Team Values divided by the Printout Values.

ii. **IF** the team is **off centerline** (e.g., left or right) **THEN** a centerline value may be estimated using Relationship 2. (1609 meters = 1 mile)

iii. **IF** the team is not at one of the distances noted in i, above, **THEN** a value at one of those distances may be estimated using Relationship 1.

| | | |
|--|---|------------------------------------|
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ATTACHMENT 7
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FIELD MONITORING AND PLUME PROJECTION RESULTS

1. Action

| ACTION RESPONSES – NOTIFY HPM | Possible Classification |
|--|---|
| <ul style="list-style-type: none"> Field measured results are >2 times or < 1/2 projected ≥0.5 mR/hr DDE or Thy. (CDE) at 1 mile site boundary >50 mR/hr DDE or >250 mRem/hr Thy. (CDE) for release >1/2 hr., or >500 mR/hr DDE or >2500 mRem/hr Thy. (CDE) for release >2 min. >1 R/hr DDE or >5 Rem/hr Thy. (CDE) at 1 mile site boundary | Alert Site Area Emergency General Emergency (SOURCE – RADIOLOGICAL EMERGENCY PLAN) |
| Allowable Field Team Dose – 3 R DDE, 25 Rem Thyroid (CDE) | (Source – 0-EPIP-20129) |
| Dose Conversion – Field Measured I-131 μCi/cc x 1.72 E9 = | Estimated Thy Dose rate mRem/hr. (SOURCE – 0-EPIP-20129, Enclosure 4) |

| Relationship #1 | Estimating Dose from Field Samples | Relationship 2 |
|--|--|-----------------------|
| Dose at different distance from Plant | Dose at distance from CenterLine | |
| Estimated Dose = Given Dose • $\left[\frac{\text{Given Dose Distance}}{\text{Estimated Dose Distance}} \right]^X$ Where: $\frac{X}{\text{Stability Class}}$ 2.0 A or B 1.5 C or D 1.0 E or F (SOURCE – EPA 520/1-75-001-a Rev 10/91) | $\text{Off CenterLine Dose Value} = \text{CenterLine Dose Value} \cdot e^{-1/2 \left(\frac{y^2}{\sigma_y^2} \right)}$ Where: y = distance off CenterLine (m) σ _y = value from table in Source reference (m) Graph on next page (SOURCE – Meteorology and Atomic Energy 1968, D.G. Slade) | |

| Sector Distances | |
|----------------------------------|---|
| Sectors = 22.5° | |
| 1 mile = 5280 ft. or 1609 meters | |
| Circle Radius (Miles) | Sector Arc Length (feet / meters) |
| 0.5 | 1037/316 |
| 1 | 2073/632 |
| 2 | 4146/1264 |
| 3 | 6219/1896 |
| 4 | 8292/2528 |
| 5 | 10365/3160 |

ATTACHMENT 7

(Page 4 of 4)

FIELD MONITORING AND PLUME PROJECTION RESULTS

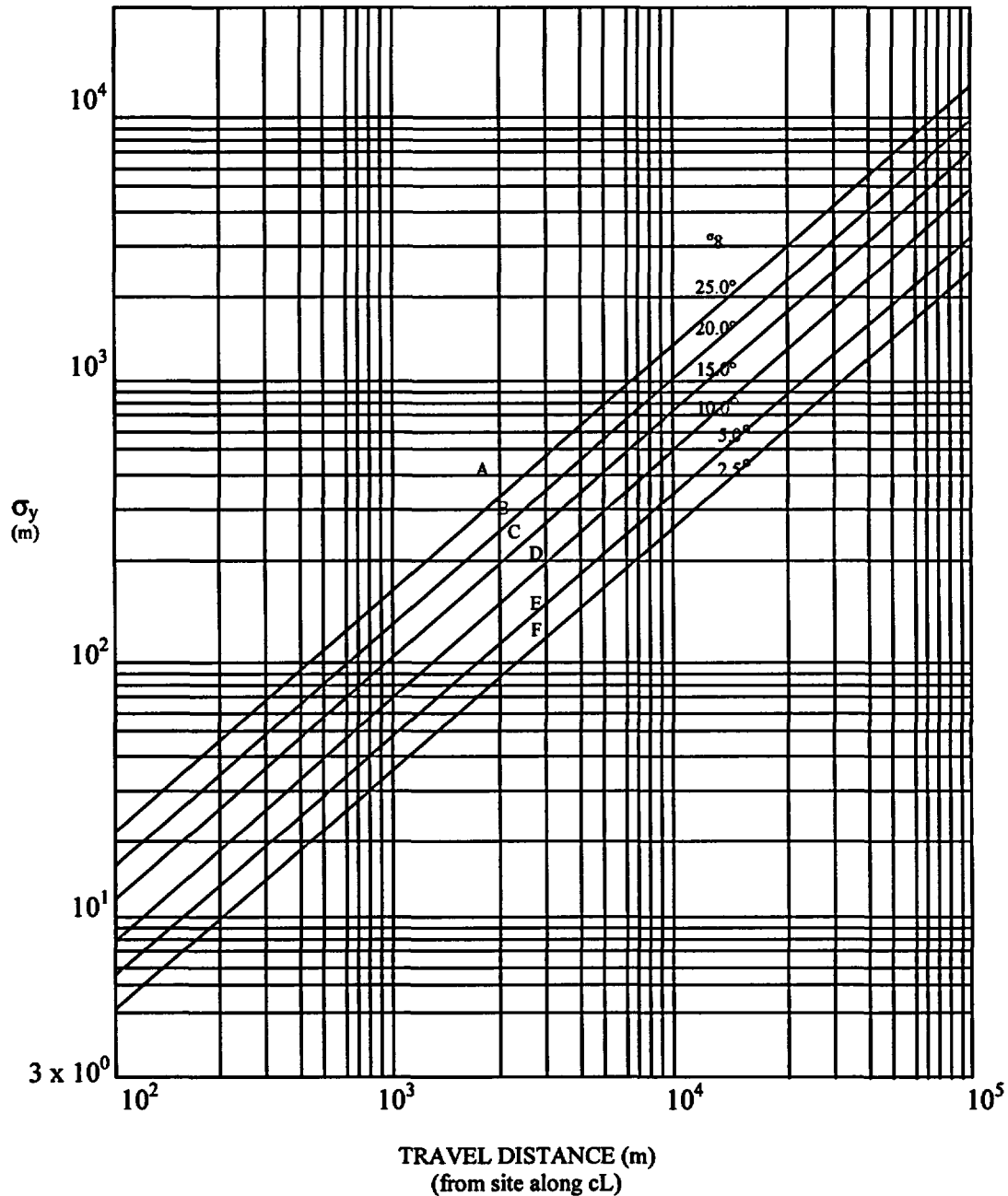


Fig. A.2 – Standard deviation of the lateral concentration distribution, σ_y , as a function of travel distance from a continuous source. A – F are Pasquill's diffusion categories.

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 8

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EOF FIRST RESPONDER CHECK-OFF SHEET

Facility Activation:

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Turn lights on to the facility using the light switches located on the left wall.
- ☐ Sign in on the EOF Access Log (or a form similar to Attachment 6) and indicate FFD Status.
- ☐ Sign in on the EOF Staff Accountability Board.
- ☐ Report to your work area and proceed with any additional activation steps outlined in this procedure applicable to your emergency response position.
 - a. Consult Figures 1 and 2 for directions to and layout of the EOF, as necessary.
 - b. The Turkey Point EOF is on the fifth floor of the General Office Building located at 9250 West Flagler Street in Miami.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 9
(Page 1 of 3)

**EMERGENCY SECURITY MANAGER (ESM)
AND SECURITY PERSONNEL
CHECK-OFF SHEET**

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

CAUTION

Security must perform a security sweep of the EOF and should be dispatched as soon as possible to the facility.

NOTE

EOF personnel already in place should not be impacted or impeded by security check-in process.

- ☐ The Emergency Security Manager should notify General Office (G.O.) Security Operations of activation of the EOF and the ENC, if necessary.
 - ☐ a. The Emergency Security Manager should notify G.O. Security Operations that any individual presenting a valid state, county, or NRC ID, be granted access for the duration of the event.
- Upon arriving at the EOF, the ESM shall ensure the following is performed:
- ☐ a. Sign in on the EOF Access Log, indicate FFD status, and ensure that security support personnel have signed in and indicated FFD status.
 - ☐ b. Sign in on the EOF Staff Accountability Board and ensure that security personnel have signed in.
 - ☐ c. Ensure controlled procedures are retrieved and used.
 - ☐ d. Ensure security sweep of the EOF has been performed or is in progress.
 - ☐ e. Ensure Intoxilizer has been turned on and calibration has been performed and calibration date is current.

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 9
(Page 2 of 3)

**EMERGENCY SECURITY MANAGER (ESM)
AND SECURITY PERSONNEL
CHECK-OFF SHEET**

Facility Activation (Cont'd)

CAUTION

Security controls in the EOF should be established in a manner that will minimize the impact on responders activating the EOF.

- ☐ f. Set up security checkpoint at the EOF entrance.
 - ☐ (1) Verify that responders to the EOF are presenting valid IDs or are listed in the ERD.
 - ☐ (2) Verify that no media personnel are allowed to access the EOF.
 - ☐ (3) Verify that individuals are signing in on the EOF Access Log.
 - ☐ (4) Verify that Fitness for Duty screening requirements are being performed, as necessary.
 - ☐ (5) Verify that responders are signing in on the EOF Staff Accountability Board.
- ☐ g. Ensure that an additional table is set up at the G.O. South employee entrance to process off-site agency EOF and ENC responders.
- ☐ h. Ensure communication capability with the TSC Security Supervisor and Local Law Enforcement Agencies (LLEA) is available.
- ☐ i. Ensure requirements for granting prompt access for NRC Event Team responders to the TSC/EOF have been initiated as necessary.
- ☐ j. Obtain an update from the TSC Security Supervisor.
 - ☐ (1) Discuss alternate routes for accessing the site as necessary.
- ☐ Inform the Recovery Manager that activation steps have been completed.

ATTACHMENT 9

(Page 3 of 3)

EMERGENCY SECURITY MANAGER (ESM)
AND SECURITY PERSONNEL
CHECK-OFF SHEETFacility Operation (Cont'd)

- ☐ Supervise and maintain security in the EOF and ENC.
- ☐ a. Ensure that measures are in place to verify that only authorized personnel are allowed into the EOF.
- ☐ b. Ensure that all EOF responders are logging in on the EOF Access Log and indicating their FFD status.
- ☐ c. Ensure that press is not allowed to leave the ENC Auditorium and Press Phone Area.
- ☐ Ensure that provisions for Fitness For Duty inquiry and testing are maintained in the EOF in accordance with Nuclear Division policies and Security Instructions.

NOTE*Phone numbers for LLEAs are listed in the ERD.*

Provide liaison between LLEAs and the Site to address coordination needs including:

- ☐ a. Request for bomb squads or law enforcement to address terrorist activities or civil unrest.
- ☐ b. Alerting law enforcement of press or curious public near the plant site.
- ☐ c. Coordination of access for fire/emergency medical vehicles and plant emergency responders.
- ☐ d. Status of traffic flow leaving site if a site evacuation is ordered.
- ☐ Ensure that requirements for granting prompt access for NRC responders to the TSC/EOF have been completed.
- ☐ Using Attachment 4, record actions taken in accordance with this procedure.
- ☐ Maintain status of injured or injured/contaminated individuals once they have been transferred from the site to an off-site medical facility using a form similar to Attachment 3.
- ☐ Inform the Recovery Manager of security issues as they occur.

Completed by: _____ Date: _____

ATTACHMENT 10

(Page 1 of 3)

EOF SUPERVISOR OR DESIGNEE
CHECK-OFF SHEETFacility ActivationNOTE*The following attachment steps may be performed out of sequence.*☐

Sign in on the EOF Access Log, indicate FFD status, and ensure EOF Supervisor staff sign in and indicate FFD status upon entry.

☐

a. RM Operations Advisor

☐

b. Tech Assistant to the RM

☐

c. State/County Communicator

☐

d. ENS Communicator

☐

e. ERDADS Operator

☐

f. TSC Communicator

☐

g. Administrative Supervisor

☐

h. Administrative Staff

☐

i. Status Board Keeper

☐

Sign in on the EOF Staff Accountability Board and ensure EOF Supervisor staff sign in upon entry and begin performing activation steps.

☐Ensure all facility personnel sign in on the EOF Staff Accountability Board.☐

Ensure the steps outlined in Subsection 5.1, the First Emergency Responder Section of this procedure, have been completed.

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 10
(Page 2 of 3)

**EOF SUPERVISOR OR DESIGNEE
CHECK-OFF SHEET**

Facility Activation (Cont'd)

NOTES

- *Qualified personnel who normally fill other positions may be used in minimum staff positions with required functions (i.e., notification/communication) to facilitate fastest possible operability of the EOF. Reference Enclosure 1 of 0-EPIP-1102, Duties of the Recovery Manager.*
- *The positions marked in red on the EOF Staff Accountability Board indicate the minimum number of personnel and positions required for EOF activation.*

Ensure the following EOF positions have been filled to satisfy minimum staffing requirements prior to the RM declaring the EOF operational.

- ☐ a. Recovery Manager
- ☐ b. RM Operations Advisor
- ☐ c. Hot Ring Down Communicator
- ☐ d. Dose Assessment Coordinators (2)
- ☐ e. ERDADS Operator or TSC Communicator
- ☐ Take actions to fill position vacancies within the EOF.
- ☐ Verify with the State and County Personnel that their equipment in the EOF (phones, faxes, etc.) is functional.
- ☐ For Alert, Site Area Emergency or General Emergency, ensure Risk Management notifies American Nuclear Insurers (ANI).
- ☐ Inform the Recovery Manager that your activation steps have been completed.

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 10
(Page 3 of 3)

**EOF SUPERVISOR OR DESIGNEE
CHECK-OFF SHEET**

Facility Operation

NOTE

Communication links should not be left unattended.

- ☐ Verify operability of communication and notification links (HRD, ENS, etc.)
- ☐ Verify timeliness of notifications via HRD, ENS, etc.

NOTE

Status boards should be updated approximately every 15 minutes or as necessary.

- ☐ Ensure the Plant Parameter Status Board is maintained with current data.
- ☐ Ensure the Sequence of Events Status Board is maintained with current information.
- ☐ Ensure distributions are performed through the EOF Administrative Supervisor using Enclosure 3 as guidance.
- ☐ Discuss with the RM the need to halt deliveries to the site (major equipment deliveries, mail, etc.).
 - a. As necessary, make contacts to halt deliveries.
- ☐ Periodically check with the State and county personnel on the adequacy and operability of their equipment in the EOF (phones, faxes, etc.)
- ☐ Resolve equipment and assessment capability problems.
- ☐ Contact additional support as needed.
- ☐ Schedule long term staffing as necessary.
- ☐ Maintain a log of activities.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 11
(Page 1 of 1)

**RM OPERATIONS ADVISOR
CHECK-OFF SHEET**

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log and indicate FFD status.
- ☐ Sign in on the EOF Staff Accountability Board.
- ☐ Obtain copies of the PAR Discussion Items Form from 0-EPIP-1102, Duties of the Recovery Manager, and begin filling out the form for the initial RM update.
- ☐ Ascertain plant status from the EOF TSC Communicator, TV System, or other available source.
- ☐ Log on computer and open lan based ERDADS/R-Time. Display E-D-3 Screen.
- ☐ Ensure Plant Equipment/ERDADS Board Projector is turned on.
- ☐ Inform the RM that you have completed your activation steps.

Facility Operation:

- ☐ Provide updates to the RM using the PAR Discussion Items Form from 0-EPIP-1102, Duties of the Recovery Manager, approximately every 45 minutes or upon significant changes.
- ☐ Follow plant status using the EOF TSC Communicator, TV System, or other available source.
- ☐ Remain current with emergency classification status and ensure current classification is posted.
- ☐ Ensure the RM is aware of and updates the state and counties on the status of site evacuation and owner controlled area clearing progress as appropriate.
- ☐ Routinely review EOPs progress with the RM, as necessary.
- ☐ Assume the duties of the RM while the RM is conducting briefings, as necessary.
- ☐ Assist the RM in preparing for briefings, as necessary.
- ☐ Provide operations/plant status during briefings, as necessary.
- ☐ Maintain the RM logbook.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 12
(Page 1 of 1)

**TECHNICAL ASSISTANT TO THE RM
CHECK-OFF SHEET**

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log and indicate FFD status.
- ☐ Sign in on the EOF Staff Accountability Board.
- ☐ Determine present and potential future Emergency Action Level Status.
- ☐ Ensure last notifications to off-site agencies correctly portrayed present situation.
- ☐ Assist State/County Communicator with the completion of state notification forms, as necessary.
- ☐ Acquire 0-EPIP-1102, Duties of the Recovery Manager, ensure completion of all applicable steps and inform the Recovery Manager of the status.
- ☐ Inform the Recovery Manager that you have completed your activation steps.

Facility Operation

- ☐ Ensure all applicable steps of 0-EPIP-1102, Duties of the Recovery Manager, are completed.
- ☐ Update the 10-mile EPZ map with Protective Actions issued.
- ☐ Ensure the Plant Parameter Status Board and Sequence of Events Board accurately reflect the event.
- ☐ Assist the RM in preparing for briefings, as necessary.
- ☐ Provide operations / plant status during briefings, as necessary.
- ☐ Assume the duties of the RM while the RM is conducting briefings, as necessary.
- ☐ Maintain a log of activities.

Completed by: _____ Date: _____

ATTACHMENT 13

(Page 1 of 2)

STATE/COUNTY COMMUNICATOR
CHECK-OFF SHEETFacility Activation/OperationNOTE

The following attachment steps may be performed out of sequence.

☐

Sign in on the EOF Access Log and indicate FFD status.

☐

Sign in on the EOF Accountability Board.

CAUTIONS

- *Notification to the State Warning Point is required within 15 minutes of an emergency classification.*
- *Collection of Release Rate Data shall not delay State of Florida notification.*
- *If a transitory event has occurred, notifications are still required using this procedure.*
- *Every hour, unless upon termination, or as conditions change (PARs, classification, significant plant conditions) notifications should be made.*

NOTE

If during the notification process, it becomes necessary to upgrade the emergency classification:

- *Ensure that the State warning Point has been notified of the Emergency Declaration within 15 minutes of making the initial classification.*
- *Stop the current notification process, and*
- *Proceed to the steps corresponding to the new emergency classification, including notification of the new classification to the State Warning Point.*

☐

Acquire copies of the Florida Nuclear Plant Emergency Notification Form (similar to Attachment 1).

| | | |
|--|---|-----------------------------------|
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**ATTACHMENT 13
(Page 2 of 2)**

**STATE/COUNTY COMMUNICATOR
CHECK-OFF SHEET**

Facility Activation/Operation (Cont'd)

NOTE

Notification forms should be filled out as neatly and completely as possible. Abbreviations should not be used.

Obtain a turnover from the TSC State/County Communicator to include the following:

- ☐ a. Time of official notification and/or time of last update
- ☐ b. Delegation of future notifications
- ☐ c. Fax of previous Florida Nuclear Plant Emergency Notification Forms, if applicable.
- ☐ Complete a form similar to Attachment 1.
- ☐ a. Obtain Recovery Manager approval prior to transmitting the information.
- ☐ If the State and county representatives are not in the EOF, transmit the information over the Hot Ring Down System or Backup System, as required.
- ☐ If the State and County Representatives are in the EOF, 15 minute notifications should be met by transmitting the form through direct contact with the State Representative.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 14
(Page 1 of 2)
**EMERGENCY NOTIFICATION SYSTEM
(ENS) COMMUNICATOR
CHECK-OFF SHEET**

Facility Activation/Operation

NOTE

The following attachment steps may be performed out of sequence.

☐ Sign in on the EOF Access Log and indicate FFD status.

☐ Sign in on the EOF Accountability Board.

CAUTIONS

- *Notification to the NRCOC is required immediately following a State Notification and within one hour of the emergency declaration.*
- *Collection of Release rate data shall not delay NRC notification.*
- *If a transitory event has occurred, notifications are still required using this procedure.*

☐ Obtain copies of the Event Notification Worksheet Form (form similar to Attachment 2).

Obtain a turnover from the TSC ENS Communicator to include the following:

- ☐ a. Time of official notification and/or time of last update
- ☐ b. Delegation of future notifications.
- ☐ c. Fax of previous Event Notification Worksheets Form (form similar to Attachment 2), if applicable.
- ☐ d. Status of the ERDS link to the NRC and whether the NRC has been informed the link is in place.

NOTE

Notification forms should be filled out as neatly and completely as possible. Abbreviations should not be used.

If a continuous line of communication has not been established with the NRC, then perform the following:

- ☐ a. Every hour complete a form similar to Attachment 2, unless less frequent updates are agreed to, upon termination, or as conditions change (PARs, classification, significant plant conditions).

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 14
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**EMERGENCY NOTIFICATION SYSTEM
(ENS) COMMUNICATOR
CHECK-OFF SHEET**

Facility Activation/Operation (Cont'd)

- ☐ b. Obtain Recovery Manager approval by having him/her review and initial the Event Notification Worksheet Form (form similar to Attachment 2).

NOTE

The NRC may require a constant line of communication and both TSC and EOF may be requested to stay on the line.

- ☐ c. Contact the NRCOC, as required, using the numbers on the phone (or in the Immediate Notification Section of the ERD).
- ☐ d. Provide the information on the form.
- ☐ e. If the ERDS link has been established and if not previously informed by the TSC, inform the NRC that the ERDS link is available.
- ☐ f. If the NRCOC does not require a constant line of communication, notifications to the NRCOC should be performed as required.
- ☐ Once a continuous line of communications has been established with the NRC, discontinue use of the form and record transmitted information and inquiries from the NRC in the logbook.

Completed by: _____ Date: _____

ATTACHMENT 15
(Page 1 of 2)ERDADS OPERATOR
CHECK-OFF SHEETFacility ActivationNOTE*The following attachment steps may be performed out of sequence.*☐

Sign in on the EOF Access Log and indicate FFD status.

☐

Sign in on the EOF Accountability Board.

Verify ERDADS operability:

☐

a. Verify the displays indicate the correct unit.

☐

(1) To change unit

☐

(a) Press <CLEAR>

☐

(b) Type PUP UNIT (3 or 4)

☐

(c) Press <EXEC>

☐

(d) Unit Change Complete message should appear.

b. Check that the following displays are available:

☐

(1) Off-site Dose Radiological Data (R3/4)

☐

(2) Emergency Plan Data (ED3/4)

☐

(3) Environmental Trends (MC3/4ENV)

☐

(4) Meteorological Parameter Verification (EP3/4ENV)

☐

(5) PTN Status Unit ¼ (U3/4)

☐

c. Check that the color plotter is operable.

☐

d. Check that the two line printers are operable.

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 15
(Page 2 of 2)

**ERDADS OPERATOR
CHECK-OFF SHEET**

Facility Operation

- ☐ Call up ERDADS information as requested.
- ☐ Provide printouts to the EOF Staff.
- ☐ Observe ERDADS data during intervals between report printing for significant changes and trends.
- ☐ Report changes to the RM or RM Ops Advisor.
- ☐ a. Assist EOF Communicators in collecting plant parameter and radiological data.
- ☐ b. Contact the TSC ERDADS operator to report the problem and request faxes, if necessary.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 16
(Page 1 of 1)

**TSC COMMUNICATOR
CHECK-OFF SHEET**

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log and indicate FFD status.
- ☐ Sign in on the EOF Accountability Board.
- ☐ Establish communications with the TSC using the numbers in the ERD.
- ☐ Request fax copies of the Emergency Coordinator Log and provide to the EOF RM Operations Advisor.
- ☐ Obtain a turnover from the TSC EOF Communicator, including all events and activities that have occurred up to this point (request fax copies of the TSC Sequence of Events Board and the TSC Plant Parameters Status Board).
- ☐ Update the Sequence of Events Board with the turnover information.

Facility Operation:

- ☐ Maintain communications with the TSC.
- ☐ Update the Sequence of Events Board with current information.
- ☐ If ERDADS is out of service obtain plant status information through the phone in communication with the TSC

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 17
(Page 1 of 2)

**ADMINISTRATIVE SUPERVISOR
CHECK-OFF SHEET**

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log, indicate FFD status, and ensure EOF Administrative staff sign in promptly and indicate FFD status upon entry.
- ☐ Sign in on the EOF Accountability Board and ensure EOF Administrative staff sign in and begin assisting with activation steps upon entry.
- ☐ Ensure the Simu-Fax is operable per Enclosure 2.

NOTE

Due to humidity effects on paper, copy paper and fax paper should be changed out to avoid paper jams.

- ☐ Copy machines in the Administrative Support and Dose Assessment areas have been turned on and are functional.
- ☐ Fax machines have been turned on and are operable.

NOTE

If problems with video or audio exist, contact the TSC Site Corporate Communicator (phone number in ERD).

- ☐ TV monitors have been turned on and video and audio of the TSC have been verified as operable.
- ☐ a. One TV should be viewing the TSC, the other should be viewing the ENC.
- ☐ Verify audibility of the speaker system throughout the EOF and adjust speakers as required.
- ☐ Synchronize all clocks in the facility using ERDADS time as official time.

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 17
(Page 2 of 2)

ADMINISTRATIVE SUPERVISOR
CHECK-OFF SHEET

Facility Operation

- ☐ Ensure correspondence is being faxed as necessary to the phone numbers programmed in the Simu-fax (also listed in the ERD, Section 5.0).
- ☐ Ensure distributions are performed as per Enclosure 3.
- ☐ Ensure minutes of formal briefings are taken to record pertinent information discussed.
- ☐ Ensure adequate measures are in place to meet personal needs such as food, water, etc. both at the EOF and the plant.
- ☐ Arrange hotel reservations and car rentals for incoming personnel as necessary.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 18
(Page 1 of 2)
**HEALTH PHYSICS MANAGER (HPM)/
DOSE ASSESSMENT COORDINATOR
CHECK-OFF SHEET**

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log, indicate FFD status, and ensure all Dose Assessment Staff sign in and indicate FFD status upon entry.
- ☐ a. Dose Assessment Coordinators
- ☐ b. Dose Assessment Recorder
- ☐ c. Field Monitoring Coordinator
- ☐ d. Field Monitoring Recorder
- ☐ e. HPN Communicator
- ☐ Sign in on the EOF Staff Accountability Board and ensure all Dose Assessment Staff sign in upon entry and begin performing activation steps.

NOTE

If current dose calculations from the TSC are available in the EOF, the performance of dose calculations by the EOF staff should not delay EOF activation.

- ☐ Establish communications with the Dose Assessment personnel in the TSC and obtain an update on present or potential releases.
- ☐ Request copies of previously performed dose assessments from the TSC.
- ☐ Turn on the Dose Assessment Computer System and verify operability.
- ☐ a. Synchronize the date and time of the computer with ERDADS.
- ☐ Complete Class A Model QC check.
- ☐ Ensure off-site dose calculations are initiated in accordance with 0-EPIP-20126, Off-site Dose Calculations.
- ☐ Verify operability of the EOF Dose Assessment fax machine.
- ☐ Acquire copies of the PAR Discussion Items form from 0-EPIP-1102, Duties of the Recovery Manager, and provide updates to the Recovery Manager as requested.
- ☐ Inform the Recovery Manager that you have completed your activation steps.

| | | |
|----------------|---|----------------------------|
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ATTACHMENT 18
(Page 2 of 2)

**HEALTH PHYSICS MANAGER (HPM)/
DOSE ASSESSMENT COORDINATOR
CHECK-OFF SHEET**

Facility Operation

- ☐ Ensure off-site dose calculations are being performed in accordance with 0-EPIP-20126, Off-Site Dose Calculations, in conjunction with the TSC.
- ☐ Obtain input data for the Class A model from ERDADS.
- ☐ Provide updates to the RM for the PAR Discussion Items Form approximately every 45 minutes or upon significant changes.
- ☐ Ensure Field teams are tracked and coordinated between the TSC and the DOH-BRC.
- ☐ Review/compare field monitoring results with dose calculations.
- ☐ Coordinate Dose Assessment with the TSC.
- ☐ Provide radiological information to support the ENC.
- ☐ Ensure adequate communication is provided via the HPN.
- ☐ Ensure status boards in the Dose Assessment Area are being updated by providing update information to the Dose Assessment Recorder.
- ☐ Assist the RM in preparing for briefings, as necessary.
- ☐ Provide radiological data in briefings, as necessary.
- ☐ Maintain a log of activities.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 19

(Page 1 of 1)

DOSE ASSESSMENT RECORDER CHECK-OFF SHEET

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log and indicate FFD status.
- ☐ Sign in on the EOF Staff Accountability Board.
- ☐ Report to the EOF HP Manager or Dose Assessment Coordinator for special instructions.

Facility Operation:

- ☐ Obtain data from Dose Assessment Coordinator.
- ☐ Update the Dose Assessment and Process Radiation Monitoring System status boards in the Dose Assessment Area in a timely manner.
- ☐ Make corrections to the board, when identified, by circling the corrected data.
- ☐ When all status board columns/blanks are filled, erase the first two columns/blanks, enter new data, with a different colored marker, leaving a space between the new and the old data.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 20
(Page 1 of 1)

**FIELD MONITORING COORDINATOR
CHECK-OFF SHEET**

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log and indicate FFD status.
- ☐ Sign in on the EOF Staff Accountability Board.
- ☐ Establish contact with the TSC Offsite Team Leader.
- ☐ Determine location of offsite field teams and indicate on EPZ maps.

Facility Operation:

- ☐ Coordinating FPL teams with DOH-BRC Control teams, and other offsite agencies, if present, and the TSC Offsite Team Leader.
- ☐ Request the TSC offsite Team Leader to send FPL field monitoring teams to survey locations.
- ☐ Compare field team results to dose calculations by performing calculations on Attachment 7 or a similar form.
- ☐ Provide field team data to the Health Physics Manager to supplement Protective Action Recommendations data and to assist in defining the level of emergency classification.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 21
(Page 1 of 1)

**FIELD MONITORING RECORDER
CHECK-OFF SHEET**

Facility Activation/Operation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log and indicate FFD status.
- ☐ Sign in on the EOF Staff Accountability Board.
- ☐ Assist the Field Monitoring Coordinator with update of EPZ maps and Field Monitoring Board.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 22
(Page 1 of 1)

**HEALTH PHYSICS NETWORK (HPN) COMMUNICATOR
CHECK-OFF SHEET**

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log and indicate FFD status.
- ☐ Sign in on the EOF Staff Accountability Board.
- ☐ Establish connection on the NRC HPN conference bridge, as necessary.

Facility Operation

- ☐ Maintain communications with the NRC through the Health Physics Network (HPN).
- ☐ Log all questions from the NRC in the logbook.
- ☐ Obtain answers to questions from the appropriate EOF personnel.
- ☐ Maintain documentation of any significant information provided or received.
- ☐ Assist the Health Physics Manager, as necessary.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 23
(Page 1 of 2)
EMERGENCY TECHNICAL MANAGER (ETM)
CHECK-OFF SHEET

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log, indicate FFD status, and ensure that all Engineering staff sign in and indicate FFD status upon entry.
- ☐ Sign in on the EOF Staff Accountability Board and ensure that all Engineering staff sign in upon entry.

CAUTION

Use controlled documents and drawings for Engineering Assessments and Evaluations.

- ☐ Obtain controlled procedures for use by Engineering staff.
- ☐ Ensure staffing is in place and communications have been established with the TSC.
- ☐ Obtain system availability status from System Operations or the TSC Lead Engineer.
- ☐ Obtain an update from the TSC Engineering staff of previous and current events.

NOTE

See Enclosure 4 for ERDADS data point descriptions for Turkey Point Plant.

- ☐ Obtaining data from ERDADS for use by EOF staff.
 - ☐ Ensure computers have been turned on and functionally checked.
 - ☐ Ensure aperture card readers and microfiche readers are turned on and functional.
- Inform the Recovery Manager when the Engineering staff is ready to perform the following:
- ☐ a. Engineering assessment of the event.
 - ☐ b. Evaluation of long term plant actions to mitigate consequences of the event.
 - ☐ c. Core damage assessment in accordance with 0-EPIP-1302, PTN Core Damage Assessment.
- ____ Inform the Recovery Manager that you have completed your activation steps.

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 23
(Page 2 of 2)

**EMERGENCY TECHNICAL MANAGER (ETM)
CHECK-OFF SHEET**

Facility Operation

CAUTION

Engineering staff should not request or direct site staff to perform any operational actions. Engineering evaluations should be given to the ETM.

- ☐ Promptly inform the Recovery Manager of engineering recommendations, determinations or analysis results.
- ☐ a. The Engineering Technical Response Worksheet, Attachment 5, or similar form should be used to document engineering recommendations, determinations or results.
- ☐ b. The Emergency Technical Manager Task Board should be used to track tasks assigned to the EOF Engineering Staff.
- Ensure that the following items are performed:
- ☐ a. Plant conditions via ERDADS are available to the EOF Engineering Staff.
- ☐ b. Core damage assessment calculations are performed as appropriate.
- ☐ Support the TSC in problem solving based on engineering design and as built construction details. This service shall be performed under the direction of the Recovery Manager.
- ☐ Evaluate long-term plant actions to mitigate the consequences of the event.
- ☐ Request occasional updates on TSC Engineering tasks via fax or phone, as necessary.
- ☐ Inform the RM of engineering recommendations, determination or analysis results.
- ☐ Assist the RM in preparing for briefings.
- ☐ Participate in briefings, as necessary.
- ☐ Maintain a log of activities.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 24
(Page 1 of 3)

**EMERGENCY CONTROL OFFICER (ECO)
CHECK-OFF SHEET**

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log, indicate FFD status, and ensure the EIM/ENC Technical Advisors and NDDO sign in and indicate FFD status upon entry.
- ☐ Sign in on the EOF Staff Accountability Board and ensure the EIM/ENC Technical Advisors and NDDO sign in upon entry.
- ☐ Ensure the EIM has the necessary EIM/ENC Technical Advisors.
- ☐ Ensure the ENC staff is available to support the EIM.
- ☐ Ensure the County EOC Technical Advisors are in place to support the county EOCs.
- ☐ Inform the Recovery Manager that you have completed your activation steps.

Facility Operation

- ☐ Assist with governmental agency and Regulatory Affairs interface.
- ☐ a. Updates to Tallahassee Governmental Affairs for Unusual Events may be performed on a case by case basis.
- ☐ b. Information updates to Tallahassee Governmental Affairs should be performed for an Alert or higher classification.

When the EOF is activated:

NOTE

See Enclosure 1 for directions to the State EOC in Tallahassee.

- ☐ a. Dispatch a Governmental Affairs person to the State EOC to provide interface as directed.
- ☐ b. Provide liaison functions to elected or appointed public officials.

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 24

(Page 2 of 3)

EMERGENCY CONTROL OFFICER (ECO) CHECK-OFF SHEET

Facility Operation (Cont'd)

- ☐ c. Answer any questions or comments from:
 - ☐ (1) Nuclear Regulatory Commission
 - ☐ (2) Division of Emergency Management
 - ☐ (3) Department of Health – Bureau of Radiation Control
 - ☐ (4) County Emergency Management
 - ☐ (5) Regulatory Affairs
- ☐ d. Interface with the Governor's Advisor and with the County EOC Technical Advisors.

CAUTION

The NDDO should remain readily accessible to function for Interim ECO notification purposes until the ECO is at the EOF. The NDDO should then proceed to the EOF. As practical, while enroute to the EOF, the ECO should contact the NDDO for updates on plant conditions.

- ☐ Review the plant status, radiological concerns, and EOF staffing with the RM.

CAUTION

The ECO must approve news releases prior to their issue. This approval may be verbal or in writing.

- ☐ Contact the EIM and get an update on the status of draft news releases. If not already done, a news release should be issued as soon as practical after the EOF is operational with an update of plant conditions.

| | | |
|--|---|---|
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|--|---|---|

ATTACHMENT 24
(Page 3 of 3)

**EMERGENCY CONTROL OFFICER (ECO)
CHECK-OFF SHEET**

Facility Operation (Cont'd)

- ☐ Continue to maintain awareness of plant conditions, media interest and news references, and governmental agencies' actions and concerns.
- ☐ Perform a technical spokesperson function in news media briefings utilizing the guidelines in Enclosure 5 as necessary.
- ☐ Ensure the RM is informed of activities involving the GAM, Regulatory Affairs, and Risk Manager.
- ☐ Ensure the RM is aware of primary concerns of the media and the public.

Completed by: _____ Date: _____

| | | |
|--|---|---|
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|--|---|---|

ATTACHMENT 25

(Page 1 of 1)

NUCLEAR DIVISION DUTY OFFICER (NDDO) CHECK-OFF SHEET

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log and indicate FFD status.
- ☐ Sign in on the EOF Staff Accountability Board.
- ☐ Serve as advisor to the EIM, GAM, Regulatory Affairs or Risk Manager on technical matters as necessary.
- ☐ Locate the ECO Logbook and initiate logkeeping for the ECO.

Facility Operation

- ☐ Serve as ECO in the EOF until a designated ECO is obtained and proper turnover has been given, or during periods of time when the ECO leaves the facility.

NOTE

The phone number for INPO can be found in the ERD.

- ☐ For alert classifications or higher, notify INPO and provide a brief update of the event.
- ☐ a. Request INPO assistance to submit press over Nuclear Network, and informing FPL of any media inquiries or industry assistance of the event.
- ☐ b. Document conversations in the ECO Logbook.
- ☐ Provide support to the ECO as necessary.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
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ATTACHMENT 26

(Page 1 of 1)

EMERGENCY INFORMATION MANAGER (EIM)/ EMERGENCY NEWS CENTER (ENC) TECHNICAL ADVISORS CHECK-OFF SHEET

Facility Activation

NOTE

The following attachment steps may be performed out of sequence.

- ☐ Sign in on the EOF Access Log and indicate FFD status.
- ☐ Sign in on the EOF Accountability Board.
- ☐ Report to the Emergency Information Manager for special instructions.

Facility Operation

NOTE

One Tech Advisor is normally assigned to support the EIM in the EOF with press releases while the other will assist the ENC with media briefings.

- ☐ Provide technical assistance to the EIM/ENC Manager and staff.
- ☐ Assist the EIM with preparation of press releases.
- ☐ Provide technical expertise and answer questions during briefings of the media (Reference Enclosure 5).
- ☐ Provide technical expertise and answer questions for the other agencies' Public Information Officers.
- ☐ Maintain contact with the other technical advisor or RM Staff member to make sure that information is current and accurate and to provide feedback on issues discussed with the media.

Completed by: _____ Date: _____

| | | |
|--|---|-----------------------------------|
| Procedure No.: 0-EPIP-1212 | Procedure Title: Emergency Operations Facility (EOF) Activation and Operation | Page: 75 |
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**ATTACHMENT 27
(Page 1 of 1)**

**COUNTY EMERGENCY OPERATIONS CENTER (EOC)
TECHNICAL ADVISORS
CHECK-OFF SHEET**

Facility Activation/Operation

NOTE

The following attachment steps may be performed out of sequence.

☐ Proceed to the assigned County EOC when instructed to do so.

NOTE

Phone numbers for the ENC and EOF may be found in the ERD, Section 4.0.

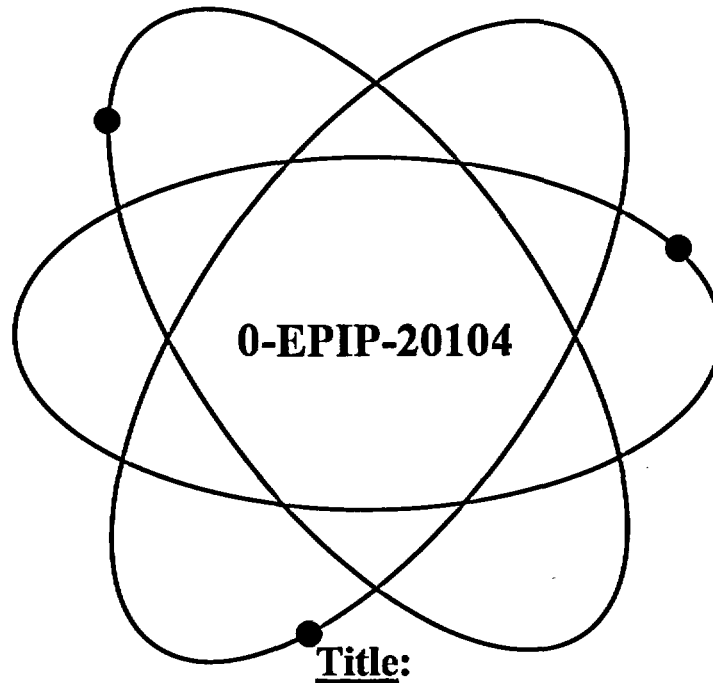
- ☐ Introduce yourself to the County EOC staff.
- ☐ Establish contact with a member of the EOF RM Staff to obtain technical information (emergency status information, reports on plant recovery, etc.).
- ☐ Establish contact with the ENC Technical Advisor for non-technical, public concerns.
- ☐ Provide contacts in the EOF/ENC with a number where you can be reached.
- ☐ Advise the County EOC staff on the plant status and status of the emergency.
- ☐ Participate in EOC briefings.
- ☐ Advise the ENC of any county actions that have been taken or are under consideration, including Emergency Alert System messages and all protective actions initiated by the county.
- ☐ Alert the ENC prior to activation of the EPZ Siren System by Dade County.
- ☐ When county EOC personnel ask questions regarding activities taking place at any FPL facility, contact the ENC Technical Advisor or a member of the RM staff for answers.
- ☐ Stay abreast of rumors that come into the County or State Rumor Control and pass on information (and responses) to the ENC so all responses will be consistent.
- ☐ Verify receipt of any FPL news releases sent to the EOC.
- ☐ Keep a log of all activities at the EOC and a record of questions called into the EOF/ENC and responses received.

Completed by: _____ Date: _____

FINAL PAGE

Florida Power & Light Company

Turkey Point Nuclear Plant



Emergency Response Organization Notifications/Staff Augmentation

Safety Related Procedure

Responsible Department: Emergency Preparedness

Revision Approval Date: 5/17/02C

RTSs 96-0772P, 00-0248P, 01-0590, 02-0354P

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1.0 PURPOSE

- 1.1 This procedure provides instruction for activation of the Emergency Response Organization and implements the Turkey Point Plant Radiological Emergency Plan.
- 1.2 When the Emergency Plan is activated, certain notifications should be made. This procedure outlines the call structure to be used to ensure these notifications occur.

NOTE

Although the Emergency Coordinator is responsible for specific notifications, his notifications are not outlined in this procedure. Emergency Coordinator notifications are outlined in 0-EPIP-20101, Duties of the Emergency Coordinator.

2.0 REFERENCES/RECORDS REQUIRED/COMMITMENT DOCUMENTS

2.1 References

2.1.1 Plant Procedures

1. 0-ADM-018, Fitness for Duty
2. 0-ADM-115, Notification of Plant Events
3. 0-EPIP-1102, Duties of the Recovery Manager
4. 0-EPIP-1211, Duties of the Corporate Communication Emergency Response Organization for Turkey Point
5. 0-EPIP-1212, Emergency Operations Facility (EOF) Activation and Operation
6. 0-EPIP-20101, Duties of the Emergency Coordinator
7. 0-EPIP-20132, Technical Support Center (TSC), Activation and Operation
8. 0-EPIP-20133, Operations Support Center (OSC), Activation and Operation

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2.1.2 Miscellaneous Documents (PC/M, Correspondence etc.)

1. Turkey Point Plant Radiological Emergency Plan
2. Emergency Response Directory
3. Security Force Instruction 6307, Emergency Evacuation
4. NRC Interim Compensatory Measures (ICM) Order, Reference Section 5.d, dated February 25, 2002

2.2 Records Required

- 2.2.1 None

2.3 Commitment Documents

- 2.3.1 None

3.0 RESPONSIBILITIES

NOTE

Fitness for Duty Responsibilities for Emergency Responders are identified in 0-ADM-018, Fitness for Duty.

- 3.1 The following individuals are responsible for initiating notifications to personnel specified in the Emergency Response Directory outlined in this procedure.

- 3.1.1 The Duty Call Supervisor
- 3.1.2 Shift Technical Advisor
- 3.1.3 TSC Security Supervisor (Security Shift Specialist)
- 3.1.4 Assistant to the Duty Call Supervisor

- 3.2 Emergency Response Organization members who report to the Technical Support Center, Operations Support Center, or the Emergency Operations Facility are responsible for the following:

NOTE

Emergency Response personnel should have available, at all times, the relevant sections of the Emergency Response Directory, their callout lists, or call out card for their augmentation responsibilities.

- 3.2.1 Making notifications, if applicable, to personnel specified in the Emergency Response Directory as outlined in this procedure.
- 3.2.2 Assembling promptly at the appropriate Emergency Response Facility.

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3.2.3 Notifying the Emergency Preparedness Coordinator when a change pertinent to information appearing in the Emergency Response Directory occurs.

3.2.4 Maintaining a copy of pertinent sections of the Emergency Response Directory or their call out card available during off-normal hours.

3.3 The Emergency Preparedness Coordinator is responsible for quarterly verification and updating of the Emergency Response Directory.

3.4 Fitness For Duty

3.4.1 Emergency Plan Responders are responsible for informing callers of their Fitness For Duty.

3.4.2 Consumption of alcohol during 5 hours prior to an Emergency Plan call-out shall not, by itself, preclude the use of individuals needed to respond to an emergency.

3.4.3 If an individual called in for Emergency Plan response has consumed alcohol within the 5 hour abstinence period, his/her fitness for duty must be determined by breath analysis or other means.

3.4.4 Normal call-out documentation does not apply during an Emergency Plan call-out.

4.0 DEFINITIONS

4.1 Emergency Response Directory (ERD) - The directory containing names and phone numbers of Emergency Response Organization personnel.

4.2 On Call Roster - Weekly schedule of plant management who are on call. This schedule is issued in the Plan-of-the-Day on Fridays.

4.3 Normal Business Hours - Hours between 7:30 a.m. and 4:00 p.m., Monday through Friday, excluding holidays.

4.4 Off-Normal Business Hours - Hours between 4:00 p.m. and 7:30 a.m., Monday through Friday, all day during holidays, Saturdays, and Sundays.

4.5 Call Out Card - Emergency Response Call out Card containing the necessary information for responders to make their required call outs for activating the Emergency Response Facilities. These cards are usually a reduced version of the notification pages in the Emergency Response Directory. A date should appear at the top of each card for verification of the most current information as listed in the current quarterly revision of the Emergency Response Directory.

4.6 AutoDialer/FPL Emergency Recall System (ERS) - A computer based automated call-out system used to activate the Emergency Response Organization.

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5.0 PROCEDURE

NOTE

Subsection 5.1 defines activities to be performed if the emergency plan is being activated and the Emergency Response Facilities ARE NOT being activated.

- *The Shift Technical Advisor and Duty Call Supervisor, have responsibilities defined in both Subsections 5.1 and 5.2.*
- *Phone numbers necessary to complete the following call outs can be located in the Emergency Response Directory or on the Plant On Call Roster.*
- *During Off-Normal Business Hours, notifications should be made by contacting the responder using home phone number first, and if no response is received, the responder's pager number should be used.*
- *During Normal Business Hours, the primary means for notification of the Emergency Response Organization for activation of the Emergency Response Facilities is by Plant Page. If requested by an Emergency Coordinator to make notifications, the responder's office phone number should be called first, and if no response is received, the responder's pager number should be used.*

5.1 If the Emergency Plan is being activated and the Emergency Response Facilities are not being activated (Unusual Event), the following steps should be performed:

5.1.1 The Shift Technical Advisor or designee should perform the following:

NOTE

If long distance access is needed, an FPL ITN Number can be obtained from the NPS.

1. Obtain a copy of the Florida Nuclear Plant Emergency Notification Form (Form similar to Attachment 1) completed by the Emergency Coordinator or designee.

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5.1.1 (Cont'd)

CAUTION

The Duty Call Supervisor is required to make additional notifications to Plant Management as required by 0-EPIP-20104, therefore, it is necessary for him/her to be notified as quickly as possible.

NOTE

Duty Call Supervisor phone numbers are listed in the ERD in Section 1, Immediate Notifications.

2. If the emergency has occurred during normal business hours, contact to a Duty Call Supervisor should be made by calling his office phone number first.
3. If the emergency has occurred during off-normal business hours, contact to a Duty Call Supervisor should be made by calling his/her home phone number first.
4. If no answer, use beeper.
5. If no answer, use cellular phone number, if listed.
6. If no answer, notify the Emergency Coordinator to acquire additional support to make the Duty Call Supervisor notifications.
7. If the Duty Call Supervisor answers, relay applicable information from the Florida Nuclear Plant Emergency Notification Form (form similar to Attachment 1).
 - a. Instruct the Duty Call Supervisor to make notifications to personnel using this procedure as listed in the Duty Call Supervisor Call List No. 2 in the Emergency Response Directory.
8. When requested by the Emergency Coordinator or designee, notify the Duty Call Supervisor of changes in plant conditions or upon termination of the event.

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5.1.2 The Duty Call Supervisor should perform the following:

CAUTION

If a Plant Event has occurred, not requiring Emergency Classification the Duty Call Supervisor shall use 0-ADM-115, NOTIFICATION OF PLANT EVENTS, for making notifications.

1. Fill out the Florida Nuclear Plant Emergency Notification Form (form similar to Attachment 1) from the information given by the Shift Technical Advisor or designee.

NOTE

The Duty Call Supervisor should make notifications for each position by contacting responders, in the order given in the Emergency Response Directory or for On Call positions, the person designated on the On Call Roster may be contacted.

2. If the emergency has occurred during normal business hours, contact to one responder for each position listed in the Emergency Response Directory Duty Call Supervisor Call List No. 2 should be made by completing the following steps:
 - a. Call the office number of the first responder.
 - b. If the responder answers, relay applicable information from the Florida Nuclear Plant Emergency Notification Form.
 - c. If no answer, go to the next responder.
 - (1) Call the office number of the next responder.
 - d. Repeat the preceding Substeps 5.1.2.2.b and 5.1.2.2.c until one responder for each position has been notified or all office numbers have been attempted.
 - e. If the position has not been notified using office numbers, attempt contact by beeper.
 - (1) When a responder for the position calls back, relay applicable information from the Florida Nuclear Plant Emergency Notification Form.

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5.1.2.2 (Cont'd)

- f. Repeat the preceding Substeps 5.1.2.2.a through 5.1.2.2.e, until all positions listed in the Duty Call Supervisor Call List No. 2 and Nuclear Division Duty Officer Call List No. 1 have been notified.
 - i. Ensure that the Emergency Coordinator is informed of any positions that could not be notified.
3. If the emergency has occurred during off-normal business hours, contact to one responder for each position listed in the Emergency Response Directory Duty Call Supervisor Call List No. 2 should be made by completing the following steps:
- a. Call the home number of the first responder.
 - b. If the responder answers, relay applicable information from the Florida Nuclear Plant Emergency Notification Form.
 - c. If no answer, go to the next responder.
 - (1) Call the home number of the next responder.
 - d. Repeat the preceding Substeps 5.1.2.3.b and 5.1.2.3.c until one responder for the position has been notified or all home numbers have been attempted.
 - e. If the position has not been notified using home phone numbers, attempt contact by beeper.
 - (1) When a responder for the position calls back, relay applicable information from the Florida Nuclear Plant Emergency Notification Form.
 - f. Go to the next call out position.
 - (1) Repeat the preceding Substeps 5.1.2.3.a through 5.1.2.3.f, until all positions listed in the Duty Call Supervisor Call List No. 2 have been notified.
 - g. Ensure that the Emergency Coordinator is informed of any positions that could not be notified.

NOTE

If the Technical Support Center has been activated, and if directed by the Emergency Coordinator, it may not be necessary to perform the following steps.

- 4. Remain accessible by telephone for further updates unless directed otherwise.
- 5. When notified that the emergency condition has changed or no longer exists, contact previously notified personnel as listed in the Emergency Response Directory.

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NOTES

Subsection 5.2 defines activities to be performed if the Emergency Plan is being activated and the Emergency Response Facilities ARE being activated.

- *The Shift Technical Advisor, Duty Call Supervisor, and Assistant to the Duty Call Supervisor have responsibilities defined in both Subsections 5.1 and 5.2.*
- *Phone numbers necessary to complete the following call outs can be located in the Emergency Response Directory or on the Plant On Call Roster.*
- *During Off-Normal Business Hours, notifications should be made by contacting the responder using home phone No. first, and if no response is received, the responder's pager No. should be used.*
- *During Normal Business Hours, the primary means for notification of the Emergency Response Organization for activation of the Emergency Response Facilities is by Plant Page and beepers.*

5.2 If the Emergency Plan is being activated and the Emergency Response Facilities are being activated (Alert or higher classification or at the discretion of the Emergency Coordinator), the following steps should be performed:

NOTE

The STA is to make these notifications unless these actions will interfere with his/her accident assessment responsibilities. If the STA is not available to make these notifications, the Emergency Coordinator is responsible for ensuring these notifications are delegated to another on shift individual.

5.2.1 The Shift Technical Advisor or designee should contact the positions as listed in the Emergency Response Directory Shift Technical Advisor Call List by completing the following steps:

1. Obtain a copy of the Florida Nuclear Plant Emergency Notification Form (form similar to Attachment 1) completed by Emergency Coordinator or designee.

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5.2.1 (Cont'd)

NOTE

The Duty Call Supervisor is required to make additional notifications to Plant Management as required by this procedure; therefore, it is necessary for him/her to be notified as quickly as possible.

2. Contact the Duty Call Supervisor by performing the following:

NOTE

The Duty Call Supervisor is listed on the Plant On Call Roster. If a roster is not available, any Duty Call Supervisor, as listed in the Emergency Response Directory, Section 1, Immediate Notification, can be contacted.

- a. If the emergency has occurred during normal business hours, use office number first, then beeper, if necessary.
- b. If the emergency has occurred during off normal business hours, use home number first, then cell phone, then beeper, if necessary.
- c. Relay Florida Nuclear Plant Emergency Notification Form information to the Duty Call Supervisor.

NOTE

The Emergency Coordinator should be considering, in a security related event, sending the on-site ERO to an alternate location such as:

- A) Emergency Operation Facility (EOF) General Office – 9250 W. Flagler, Miami.
- B) Security Training Complex/Daycare/PTN School/PTN Fitness Center.
- C) PTN Offsite Assembly Area – Florida City Substation on Palm Drive.
- D) PTN Alternate Offsite Assembly Area – Alternate Evacuation Route.

The Duty Call Supervisor may be instructed, by the EC, to custom build a message informing those ERO members that would be responding to an onsite facility (i.e., TSC or OSC) to respond to one of the above alternate locations. This information must be relayed to the DCS by the STA immediately upon initial notification.

- d. If requested by the Emergency Coordinator or designee, notify the Duty Call Supervisor of changes in plant conditions or upon termination of the event.
- ### 3. Contact the On-Shift Security Captain.
- a. Instruct the On-Shift Security Captain to perform responsibilities using this procedure.

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5.2.2 The Duty Call Supervisor should perform the following:

1. Fill out the Florida Nuclear Plant Emergency Notification Form (form similar to Attachment 1) from the information given by the Shift Technical Advisor of designee.

NOTE

It is the responsibility of the Duty Call Supervisor to understand the event as classified and whether the ERFs will be activated (EC discretion at Unusual Event, required for Alert and higher).

2. Verify that an Emergency Plan Activation has been declared (Unusual Event, Alert, Site Area Emergency, General Emergency) and that the Emergency Response Facilities are being activated.

NOTE

The Duty Call Supervisor should make notifications for each position by contacting responders, in the order given in the Emergency Response Directory or for On Call positions, the On Call Roster may be used.

3. As directed by the Emergency Coordinator, initiate call-out of Emergency Response Members (ERO) using Attachment 2, FPL Emergency Recall System (ERS) Activation Checklist.
4. If emergency has occurred during normal business hours, then activate the appropriate autodialer scenario. Notifications to the NRC Resident Inspector, Nuclear Division Duty Officer, and the EOF HP Manager are the only other requirements unless otherwise instructed by the Emergency Coordinator.
5. If emergency has occurred during off normal business hours, then begin call-out of ERO members, as directed in the ERD (after initiating the autodialer).

NOTE

The Emergency Coordinator should be considering, in a security related event, sending the on-site ERO to an alternate location such as:

- A) Emergency Operation Facility (EOF) General Office – 9250 W. Flagler, Miami.
- B) Security Training Complex/Daycare/PTN School/PTN Fitness Center.
- C) PTN Offsite Assembly Area – Florida City Substation on Palm Drive.
- D) PTN Alternate Offsite Assembly Area – Alternate Evacuation Route.

The Duty Call Supervisor may be instructed, by the EC, to custom build a message informing those ERO members that would be responding to an onsite facility (i.e., TSC or OSC) to respond to one of the above alternate locations. This information must be relayed to the DCS by the STA immediately upon initial notification.

- a. Call the home number of the first responder.

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NOTE

Responders are responsible for informing callers of their fitness for duty.

- b. If the responder answers, relay a message similar to the following:
 - (1) **This is/is not a drill, a/an (state emergency classification) has been declared at Turkey Point Nuclear. The Emergency Response Facilities are being activated. You are requested to fill the position of (state position) and make your required notifications as listed in the Emergency Response directory or Call Out Card, then report to your designated facility. This is/is not a drill.**
- c. If no answer, go to the next responder.
 - (1) Call the home number of the next responder.
- d. Repeat the preceding Substeps 5.2.2.4.b and 5.2.2.4.c until the appropriate number of responders for the position has been notified or all home numbers have been attempted.
- e. If the position has not been filled by using home phone number, call the beeper of each responder.
 - (1) When responders for that position call back, relay a message similar to the preceding message.
 - (2) If other responders for that position call back, inform them that the position has been filled and that they are not needed at this time.
- f. Go to the next call out position.
 - (1) Repeat the preceding Substeps 5.2.2.4.a through 5.2.2.4.f until all positions listed in the Duty Call Supervisor Call List No. 2 and No. 3 have been filled.
- 6. Verify that the Autodialer system has activated, use one of the following:
 - a. Open the "Communicator!" program. Click on "Activate", then select "Activation Status Monitor
 - b. Report received on printer in the Control Room, TSC, or EOF.
 - c. Report of appropriate pager activation from the FPL Pager.

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NOTE

If autodialer activation is indicated, then notify any previously call ERO members contacted, with call out responsibilities, to suspend the manual call-out and respond as appropriate.

7. Ensure that the TSC Supervisor, (DCS), is informed of any positions that could not be filled.

NOTE

If the Technical Support Center has been activated, and if directed by the Emergency Coordinator, it may not be necessary to perform Substeps 5.2.2.8 or 5.2.2.9.

8. Remain accessible by telephone for further updates unless directed otherwise.
9. When notified that the emergency condition has changed or no longer exists, contact previously notified personnel listed in the Emergency Response Directory.

5.2.3 The Assistant to the Duty Call Supervisor or designee should perform the following:

1. If the emergency has occurred during normal business hours, no action is required unless requested by the Emergency Coordinator or designee or the TSC Supervisor.
2. If the emergency has occurred during off normal business hours, perform the following steps:
 - a. Contact to the appropriate number of responders for all positions listed in the Emergency Response Directory, Assistant to the Duty Call Supervisor Call List should be made by completing the following steps:
 - (1) Call the home number of the first responder.
 - (2) If the responder answers, relay a message similar to the following:
 - (a) This is/is not a drill, a/an (state emergency classification) has been declared at Turkey Point Nuclear. The Emergency Response Facilities are being activated. You are requested to fill the position of (state position) and make your required notifications as listed in the Emergency Response Directory or Call Out Card, then report to your designated facility. This is/is not a drill.

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- (3) If no answer, go to the next responder.
 - (a) Call the home number of the next responder.
 - (4) Repeat the preceding Substeps 5.2.3.2.a(2) and 5.2.3.2.a(3) until all positions are filled or all home numbers have been attempted.
 - (5) If the position has not been filled by using home phone number, call the beeper of each responder.
 - (a) When one responder for that position calls back, relay a message similar to the preceding message.
 - (b) If other responders for that position call back, inform them that the position has been filled and that they are not needed at this time.
 - (6) Go to the next call out position.
 - (a) Repeat the preceding Substeps 5.2.3.2.a.(1) through 5.2.3.2.a.(6) until all positions listed in the Assistant to the Duty Call Supervisor Call List have been filled.
 - 3. Ensure that the TSC Supervisor, (DCS) are informed of any positions that could not be filled.
- 5.2.4 The On-Shift Security Captain should perform the following:
- 1. Send 1 Security Officer to the Technical Support Center with the TSC Key.
 - a. Instruct the Officer to perform his duties as outlined in SFI 6307.
 - 2. Send 1 Security Officer to the Operations Support Center with a set of keys for all vital areas and access gates.
 - a. Instruct the Officer to perform his duties as outlined in SFI 6307.
 - 3. Contact GO Security Operations and inform them of the following:
 - a. EOF will be activated.
 - b. Ensure doors are unlocked to the EOF and ENC.
 - c. Post a guard at the EOF entrance.
 - d. Access is granted to individuals presenting a valid PTN, NRC, State or County ID.

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5.2.5 All emergency responders should perform the following:

1. If an Emergency Classification of Alert or higher is declared or if the Emergency Coordinator uses discretion for activation, all emergency responders shall immediately report to their designated Emergency Response Facility (ERF).
 - a. Upon arrival at the ERF, responders should perform their duties as outlined in the appropriate procedures:
 - (1) 0-EPIP-1102, Duties of the Recovery Manager
 - (2) 0-EPIP-1211, Duties of the Corporate Communication Emergency Response Organization for Turkey Point
 - (3) 0-EPIP-1212, Emergency Operations Facility (EOF) Activation and Operation
 - (4) 0-EPIP-20101, Duties of the Emergency Coordinator
 - (5) 0-EPIP-20132, Technical Support Center (TSC) Activation and Operation
 - (6) 0-EPIP-20133, Operations Support Center (OSC) Activation and Operation

NOTE

No phone calls are required if contacted by the autodialer system.

2. If the Emergency has occurred during off normal business hours, the following steps should be performed:
 - a. Upon receiving notification to activate the ERFs and if you are responsible for further notifications, contact the appropriate number of responders for each position listed in the appropriate ERD call list in the Emergency Response Directory or callout card.
 - (1) Call the home number of the first responder.

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NOTE

Responders are responsible for informing callers of their fitness for duty. Refer to O-ADM-018, Fitness for Duty: Call-out of Personnel, For Cause Testing, and Reportability, for required FFD Activities if another qualified responder is not available.

- (2) If the responder answers, relay a message similar to the following:
 - (a) This is/is not a drill, a/an (state emergency classification) has been declared at Turkey Point Nuclear. The Emergency Response Facilities are being activated. You are requested to fill the position of (state position) and make your required notifications as listed in the Emergency Response directory or Call Out Card, then report to your designated facility. This is/is not a drill.
- (3) If no answer, go to the next responder.
 - (a) Call the home number of the next responder.
- (4) Repeat the preceding Substeps 5.2.5.2.a.(2) and 5.2.5.2.a.(3) until the appropriate number of responders for each position has been notified or all home numbers have been attempted.
- b. If the position has not been filled by using home phone number, call the beeper of each unfilled responder.
 - (1) When responders for that position call back, relay a message similar to the following message:
 - (a) This is/is not a drill, a/an (state emergency classification) has been declared at Turkey Point Nuclear. The Emergency Response Facilities are being activated. You are requested to fill the position of (state position) and make your required notifications as listed in the Emergency Response directory or Call Out Card, then report to your designated facility. This is/is not a drill.
 - (2) If other responders for that position call back, inform them that the position has been filled and that they are not needed at this time.

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3. After each position has been filled or if all numbers have been tried and the position is not filled, report to the designated ERF.
 - a. If a position could not be filled, re-attempt to fill the position after arrival at the designated ERF.
4. If a position could not be filled, ensure that the appropriate supervisor (TSC Supervisor in the TSC, OSC Manager in the OSC or Recovery Manager in the EOF) is notified of the unfilled position.

5.3 Emergency Response Directory (ERD)

- 5.3.1 The Emergency Preparedness Coordinator shall ensure the ERD is updated at least once per calendar quarter.
- 5.3.2 All emergency responders should notify the Emergency Preparedness Coordinator or designee when changes to their phone numbers or other pertinent information listed in the ERD has occurred.
- 5.3.3 All emergency responders who have notification requirements should maintain a copy of pertinent sections of the Emergency Response Directory or their call out card at their disposal during off normal business hours.
- 5.3.4 Supervisors responsible for the filling of ERO positions should notify the Emergency Preparedness Coordinator or designee when emergency response personnel changes are necessary.

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ATTACHMENT 1

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FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

1. A. ☐ This Is A Drill B. ☐ This Is An Emergency
OnLine Notification ☐ SWP ☐ MIAMI-DADE COUNTY ☐ MONROE COUNTY
2. A. Date: ____/____/____ B. Contact Time: ____ C. Reported By: Name ____
D. Message Number: ____ E. Reported From: ☐ Control Room ☐ TSC ☐ EOF
3. SITE: A. ☐ CR UNIT 3 B. ☐ SL UNIT 1 C. ☐ SL UNIT 2 D. ☐ TP UNIT 3 E. ☐ TP UNIT 4

4. **EMERGENCY CLASSIFICATION:** A. ☐ Notification Of Unusual Event B. ☐ Alert
C. ☐ Site Area Emergency D. ☐ General Emergency

5. A. ☐ **EMERGENCY DECLARATION:** B. ☐ **EMERGENCY TERMINATION:** Date: ____/____/____ Time: ____

6. **REASON FOR EMERGENCY DECLARATION:** A. ☐ EAL Number: ____ OR B. ☐ Description: ____

7. **ADDITIONAL INFORMATION OR UPDATE:** A. ☐ None OR B. ☐ ____

8. **WEATHER DATA:** A. Wind direction from ____ degrees B. Downwind Sectors affected ____

9. **RELEASE STATUS:** A. ☐ None (Go to Item 11) B. ☐ Is occurring C. ☐ Has occurred, but stopped

10. **RELEASE SIGNIFICANCE CATEGORY: (at the Site Boundary)**

- A. ☐ Information not available at this time B. ☐ Release within Normal Operating Limits (Tech Specs)
C. ☐ Non-Significant (Fraction of PAG Range) D. ☐ PAG Range (Protective Actions required)

11. **UTILITY RECOMMENDED PROTECTIVE ACTIONS FOR THE PUBLIC:**

- A. ☐ No recommended actions at this time. B. ☐ The utility recommends the following protective actions:
- | | OR | Miles | No Action | Evacuate Sectors | Shelter Sectors |
|-----------------------|----|-------|-----------|------------------|-----------------|
| EVACUATE ZONES: _____ | | 0-2 | _____ | _____ | _____ |
| SHELTER ZONES: _____ | | 2-5 | _____ | _____ | _____ |
| | | 5-10 | _____ | _____ | _____ |
- C. Consider Issuance of KI: ☐ YES ☐ NO

If form is completed in the Control Room, go to Item 15. If completed in the TSC or EOF, continue with Item 12.

12. **PLANT CONDITIONS:**

- A. Reactor Shutdown? ☐ YES ☐ NO B. Core Adequately Cooled? ☐ YES ☐ NO
C. Containment Intact? ☐ YES ☐ NO D. Core Condition: ☐ Stable ☐ Degrading

13. **WEATHER DATA:** A. Wind Speed ____ mph B. Stability Class ____

14. **ADDITIONAL RELEASE INFORMATION:**

- A. Noble Gases ____ Curies per second B. Iodines ____ Curies per second
C. Airborne: Date Started ____/____/____ Time Started ____ Date Stopped ____/____/____ Time Stopped ____
D. Liquid: Date Started ____/____/____ Time Started ____ Date Stopped ____/____/____ Time Stopped ____

| Distance | Projected Thyroid Dose (CDE) for 1 Hour | Projected Total Dose (TEDE) for 1 Hour |
|------------------------|---|--|
| 1 Mile (Site Boundary) | E. _____ mrem | F. _____ mrem |
| 2 Miles | G. _____ mrem | H. _____ mrem |
| 5 Miles | I. _____ mrem | J. _____ mrem |
| 10 Miles | K. _____ mrem | L. _____ mrem |

EC or RM Approval Signature _____ Date ____/____/____ Time ____

15. **MESSAGE RECEIVED BY:** Name _____ Date ____/____/____ Time ____

2003 STATE NOTIFICATION FORM REVISION 9.doc

05/28/03

| | | |
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ATTACHMENT 2
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FPL EMERGENCY RECALL SYSTEM (ERS) ACTIVATION CHECKLIST

Name: _____ Unit: _____

Date: ____/____/____ Time: _____

NOTE

The Emergency Coordinator should be considering, in a security related event, sending the on-site ERO to an alternate location such as:

- A) Emergency Operation Facility (EOF) General Office – 9250 W. Flagler, Miami.*
- B) Security Training Complex/Daycare/PTN School/PTN Fitness Center.*
- C) PTN Offsite Assembly Area – Florida City Substation on Palm Drive.*
- D) PTN Alternate Offsite Assembly Area – Alternate Evacuation Route.*

The Duty Call Supervisor may be instructed, by the EC, to custom build a message informing those ERO members that would be responding to an onsite facility (i.e., TSC or OSC) to respond to one of the above alternate locations. This information must be relayed to the DCS by the STA immediately upon initial notification.

1. Prior to making the call, determine the appropriate scenario to activate.

| |
|--|
| Normal Working hours use scenario 1030 |
| After hours: <ul style="list-style-type: none"> • Use scenario 1050 for an actual emergency • Use scenario 1051 for a response drill (report to ERFs) • Use scenario 1052 for a telephone test only |

2. You will be requested to enter the four digit scenario number during the call.

Scenario to be used: _____

3. Call the Emergency Recall System at 305-246-7107.

4. Enter the password as soon as you are instructed to do so.

| WHEN THE SYSTEM STATES | YOU SHOULD ENTER... Circle One |
|--|---|
| This is remote activation module. Enter your scenario activation password followed by the # symbol. | Your password |
| Enter the scenario id followed by the # sign? | Normal Working hours use scenario 1030 After hours use scenario: <ul style="list-style-type: none"> • 1050 for an actual emergency • 1051 for a response drill (report to ERFs) • 1052 for a telephone test only |

| | | |
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ATTACHMENT 2
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FPL EMERGENCY RECALL SYSTEM (ERS) ACTIVATION CHECKLIST

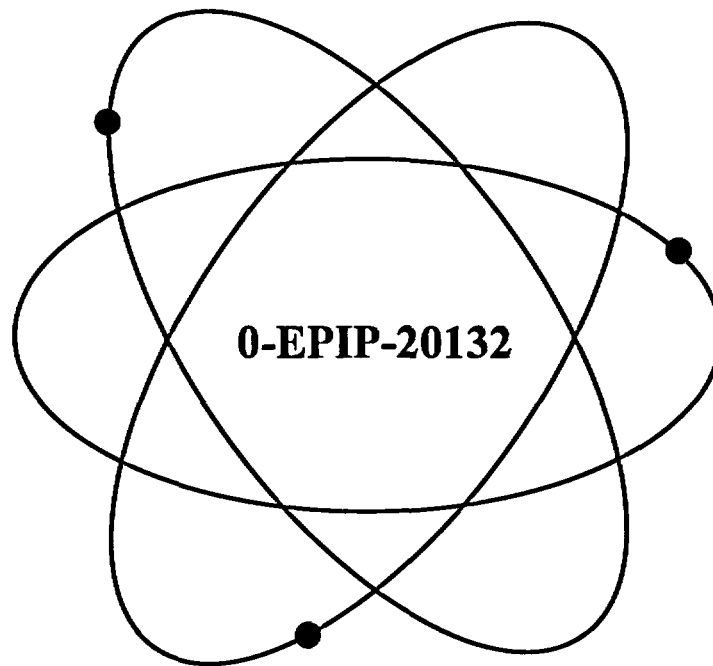
| WHEN THE SYSTEM STATES (cont.) | YOU SHOULD ENTER (cont.) Circle One |
|---|--|
| Then it will use a repeat back where you will be asked to press 9 for yes or 6 for no. | 9 - to confirm the scenario 6 - to cancel |
| <ul style="list-style-type: none"> To listen to the current scenario message press 1, To re-record the message press 2, To start the scenario press 3. | Enter 3 to start the scenario unless you have been instructed to custom build a message.- Note: This is an optional message. If you choose to use it, you should make a single statement regarding the status of the emergency. Example: Alert based on greater than 50 gallon per minute Reactor Coolant System leak. If a significant radiological release could affect site access, a message should be recorded similar to: Enter the plant from the (north/south). |
| The scenario is running now | |
| | |

5. Activation is performed during off normal working hours, initiate the manual call-out process in accordance with this procedure.
6. To verify that the system has activated, use one of the following:
 - Open the **Communicator!** Program. Click on **Activate**, select **Activation Status Monitor**, or
 - Report received on the printer in the Control Room, TSC, EOF, or
 - Report of appropriate pager activation from FPL pager.
7. **IF** verification is not received within **5 to 10** minutes, continue the manual call-out in accordance with this procedure.

FINAL PAGE

Florida Power & Light Company

Turkey Point Nuclear Plant



Title:

Technical Support Center (TSC) Activation and Operation

Safety Related Procedure

| | |
|--------------------------------|------------------------|
| <i>Responsible Department:</i> | Emergency Preparedness |
| <i>Revision Approval Date:</i> | 6/2/03C |

*RTSs 96-0628P, 97-0668, 97-1405, 99-0258P, 00-0248P, 00-0465P,
02-0089P, 02-0866P, 03-0325*

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| 17 | 02/15/01 | 41 | 04/18/03C | 65 | 04/18/03C |
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1.0 PURPOSE

- 1.1 This procedure provides instructions for the activation and operation of the Technical Support Center (TSC).

2.0 REFERENCES/RECORDS REQUIRED/COMMITMENT DOCUMENTS

2.1 References

2.1.1 Plant Procedures

1. 0-ADM-207, Operations Instructions in the Event of a Situation Not Addressed by Procedure
2. 0-EPIP-1302, PTN Core Damage Assessment
3. 0-EPIP-20101, Duties of the Emergency Coordinator
4. 0-EPIP-20106, Natural Emergencies
5. 0-EPIP-20126, Off-site Dose Calculations
6. 0-EPIP-20133, Operations Support Center (OSC) Activation and Operation
7. 0-HPT-013.3, Calibration and Operation of the Eberline Beta Monitoring System Model AMS-3(A)

2.1.2 Miscellaneous Documents (PC/M, Correspondence etc.)

1. Turkey Point Plant Radiological Emergency Plan
2. Emergency Response Directory
3. PC/M 92-134, ERDADS/SAS Datalink to the Emergency Response Data System
4. SFI-6307, Emergency Evacuation and Accountability

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2.2 Records Required

2.2.1 Completed copies of the below listed item(s) constitute Quality Assurance Records and shall be transmitted to QA Records for retention in accordance with Quality Assurance Records Program requirements:

1. None

2.2.2 The various supervisors in the TSC shall maintain logbooks of activities performed during a plant emergency. Logbooks shall be stored in the applicable areas in the TSC.

2.2.3 Upon deactivation of the TSC, the following completed documents shall be transmitted to the Emergency Preparedness Coordinator for review and retention for archival purposes:

1. TSC Staff Accountability Log (form similar to Attachment 6)
2. All TSC Position Check-off Sheets (Attachments 8 through 27)

2.3 Commitment Documents

2.3.1 None

3.0 RESPONSIBILITIES

3.1 Emergency Response Organization Members assigned to the TSC are responsible for:

- 3.1.1 Bringing any available two-way radios to the TSC for emergency use if not needed in the OSC.
- 3.1.2 Assisting in the Activation/Operation of the TSC in accordance with Section 5.0 of this procedure.
- 3.1.3 Using Speed Memos to request tasks/information, as appropriate.
- 3.1.4 Performing tasks as requested by their supervisors.

3.2 The TSC Supervisor is responsible for:

- 3.2.1 Reviewing requests from the Technical Support Group.
- 3.2.2 Reviewing and recommending approval of Team Request Speed Memos.
- 3.2.3 Reviewing and routing Speed Memos to the appropriate supervisor.

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- 3.2.4 Ensuring accountability within the TSC is maintained.
- 3.2.5 Directing the activities of the Technical Support Group.
- 3.2.6 Ensuring communication links are functional and established.
- 3.2.7 Providing technical assessment to the Control Room operating staff.
- 3.2.8 Ensuring timely and accurate data/information is provided to the EOF.
- 3.2.9 Ensuring timely and accurate updates of the TSC Status Boards and other informational systems.
- 3.2.10 Ensuring the implementation of 0-EPIP-1302, PTN Core Damage Assessment.
- 3.2.11 Coordinating and verifying facility operational readiness.
- 3.2.12 Ensuring initial and follow-up notifications to the State Warning Point, Dade County and Monroe County are provided.
- 3.2.13 Consulting with the TSC Operations Manager and the Emergency Coordinator on the need to implement Severe Accident Management Guidelines (SAMGs).
- 3.2.14 Reviewing team priorities on the Team Tracking Board.
- 3.3 The Technical Assistant to the Emergency Coordinator is responsible for:
 - 3.3.1 Tracking plant progress through the Emergency Action Levels and providing recommendations to the Emergency Coordinator.
 - 3.3.2 Providing SRO expertise in the TSC for accident assessment functions.
 - 3.3.3 Assisting the TSC Operations Manager in following the Control Room transitions through the Emergency Operating Procedures.
 - 3.3.4 Assisting the Emergency Coordinator in developing Protective Action Recommendations based on Plant Conditions and Off-site Dose Projections.
 - 3.3.5 Ensuring that Protective Action Recommendations made by FPL and Protective Actions issued by government agencies are posted in the TSC.

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- 3.4 The TSC Maintenance Manager is responsible for ensuring the completion of the following:
- 3.4.1 Taking requests for Emergency Response Teams (ERT) that have been approved by the Emergency Coordinator and instructing the OSC in the formation of the ERT.
 - 3.4.2 Tracking and updating ERT progress and providing feedback to the TSC Operations Manager.
 - 3.4.3 Updating the OSC Manager with pertinent information and providing team priorities.
 - 3.4.4 Obtaining Company vehicles for use by Off-site ERT.
- 3.5 The TSC Operations Manager is responsible for:
- 3.5.1 Forwarding requests for teams from the Control Room to the Emergency Coordinator.
 - 3.5.2 Advising the Emergency Coordinator on operational concerns and requirements.
 - 3.5.3 Following the transition between Emergency Operating Procedures (EOPs).
 - 3.5.4 Providing Protective Action Recommendations based on Plant Conditions to the Emergency Coordinator.
 - 3.5.5 Providing feedback to the Control Room on the status of team activities.
- 3.6 The TSC Health Physics Supervisor is responsible for:
- 3.6.1 Providing off-site radiological data to the TSC Chemistry Supervisor.
 - 3.6.2 Coordinating the use of the Off-site ERTs with the EOF.
 - 3.6.3 Maintaining communications and updating radiological conditions with the NRC on the Health Physics Network, as required.
 - 3.6.4 Providing information to the Emergency Coordinator on the radiological survey results obtained by the Off-site ERTs.
 - 3.6.5 Assessing plant radiological conditions and providing assessment results to the Operation Support Center (OSC).

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- 3.6.6 Providing recommendations on the authorization of emergency exposures to the Emergency Coordinator.
- 3.6.7 Coordinating the activities of the Off-site Assembly Area.
- 3.6.8 Advising the Emergency Response Organization on radiological control matters.
- 3.6.9 Ensuring that personal dosimetry is issued to and periodically checked by TSC emergency responders.
- 3.7 The TSC Chemistry Supervisor is responsible for:
 - 3.7.1 Coordinating the calculation of Off-site Dose Calculations.
 - 3.7.2 Interpreting data and data discrepancies.
 - 3.7.3 Reviewing requests for Chemistry samples.
 - 3.7.4 Providing Protective Action Recommendations based on Off-site Dose Projections to the Emergency Coordinator.
- 3.8 The TSC Security Supervisor is responsible for:
 - 3.8.1 Coordinating the response of the Security Force.
 - 3.8.2 Tracking TSC Staff Accountability.
 - 3.8.3 Providing assistance to local law enforcement agencies as directed.
 - 3.8.4 Ensuring that site accountability is performed and Emergency Coordinator is kept informed of status.
- 3.9 The TSC Licensed Operator Support personnel are responsible for:
 - 3.9.1 Providing operational information and guidance to the TSC Technical Support personnel, and other personnel, as necessary, to effectively coordinate Tech Support activities with Operations and other emergency response personnel.
 - 3.9.2 Monitoring the status of the unaffected unit and reporting any operational concerns or Technical Specification issues to the TSC Lead Engineer and the TSC Operations Manager.
 - 3.9.3 Conducting the following activities in the event the emergency involves a fire:
 - 1. Monitoring the fire brigade response and providing input to the Emergency Coordinator.
 - 2. Ensuring that off-site support is responding, as needed, and providing information to the TSC Supervisor
 - 3. Assisting the fire brigade leader in acquiring additional equipment, as needed.
 - 4. Reviewing the Pre-fire Plan of the effected areas and providing input to the Emergency Coordinator.

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3.10 The TSC Plant Data Communicator is responsible for:

3.10.1 Establishing communication with the Control Room Communicator.

3.10.2 Notifying the TSC Supervisor of rapid changes to plant data or any need for further instructions, in accordance with the guidelines in Enclosure 3 and Enclosure 4 of this procedure.

3.11 The TSC ENS Communicator is responsible for:

3.11.1 Verifying operability of the ENS (FTS-2001) phone equipment.

3.11.2 Maintaining open line of communications, if requested, with the NRC.

3.12 The TSC Site Corporate Communicator is responsible for:

3.12.1 Verifying operability of the TV Monitor System.

3.12.2 Notifying the TSC Supervisor when the TV Monitor System is ready for operation or needs corrective actions, as appropriate.

3.13 The TSC Reactor Engineer is responsible for:

3.13.1 Monitoring SAMG criteria in the event that the TSC Supervisor is not present in the TSC.

3.14 The TSC Engineering/Maintenance Liason is responsible for:

3.14.1 Providing maintenance experience to the Technical Support Group.

3.14.2 Acquiring information from the OSC Re-entry Coordinators to support the Technical Support Group.

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4.0 **DEFINITIONS**

- 4.1 State Hot Ring Down Telephone (HRD) - Installed in the Control Room, TSC, Emergency Preparedness Office, and EOF, this system provides dedicated telephone service utilizing pre-designated access codes to notify State and Local Agencies.
- 4.2 Emergency Notification System (ENS) - Installed in the Control Room, TSC, and EOF, this system provides dedicated telephone service to the NRC Operations Center.
- 4.3 Health Physics Network (HPN) - Installed in two locations in the TSC and two locations in the EOF, this system provides dedicated telephone service to the NRC Operations center and NRC Region II response Center for the relay of Health Physics and Environmental Data.
- 4.4 System Control Center Computer Program - A personal computer based software program which accesses the System Operations computer via telephone lines to provide real-time system generation and configuration status. This program is installed on the Technical Support Group computer for Emergency Response use.

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5.0 PROCEDURE

NOTES

- Although the Emergency Coordinator duties are transferred to the TSC and the Emergency Coordinator is then functionally a position in the TSC, Emergency Coordinator duties and responsibilities are not defined in this procedure. Regardless of the physical location of the Emergency Coordinator, his responsibilities are to implement 0-EPIP-20101, Duties of the Emergency Coordinator.
- In order to allow for short relief breaks during emergency situations (e.g. for bathroom, drinking, smoking breaks, etc.), the Emergency Coordinator may temporarily turnover his command and control responsibilities to a qualified individual of this staff. The Emergency Coordinator is always responsible for carrying out his non-delegatable duties, and for approving notifications to Federal and State Authorities.
- In order to provide a complete status of Emergency Response Activities, each area supervisor (Operations, Health Physics, Chemistry, Maintenance, Technical Support, etc.) should give status reports of emergency response activities, as necessary, when the Emergency Coordinator reviews the Plant Status and updates ERO personnel.
- Three fax machines are available in the TSC. The OUT-GOING TSC Operations Fax machine is primarily used by the TSC ENS Communicator to transmit notification forms to off-site agencies. The IN-COMING TSC Operations Fax machine is used for receiving information necessary for the operation of the TSC. The TSC HP/Chemistry Fax machine is primarily used to transmit HP/Chemistry information to and from the OSC.
- If a natural emergency occurs, 0-EPIP-20106, Natural Emergencies, has additional duties and responsibilities which may be applicable to the emergency situation.
- Figure 1 is provided as general guidance for set up of the TSC. The TSC is a dedicated facility and should be set up and ready for emergency activities at all times.
- The Security Command Post Operations Advisor is a Licensed Operator stationed in the Security Command Post to provide operational interface and liaison for security personnel during emergency situations when the TSC is activated. Operational questions regarding security should be coordinated through the TSC Security Supervisor with the Security Command Post Operations Advisor. This position is only provided when a security emergency is declared.
- The normal power supply for the TSC is from Breaker 7 on Distribution Panel 85, which is fed from the Florida City Substation line supplying the Administrative Support Buildings (NAB, NMB, NTC, etc.) An alternate power supply for the TSC is from Breaker 31503 on 4C 3G from the 3C 4KV bus. The TSC 480 Volt Automatic Transfer Switch will supply power from the alternate source if normal power is lost. When normal power is regained, the transfer switch will automatically switch back to the normal supply within forty minutes.
- Eating and drinking shall be limited and controlled by the TSC Supervisor, and shall be prohibited whenever habitability surveys reveal any surface or airborne contamination activity.

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NOTE

To ensure all position responsibilities are completed, appropriate ERO staff shall complete applicable check-off attachments.

5.1 Activation of the TSC

5.1.1 When notified, TSC emergency responders are to report to the facility as quickly as possible.

5.1.2 The first responders to the TSC should do the following:

NOTE

Normally, Security will have the TSC door unlocked prior to responders arriving in order to expedite the activation process. If the door is locked upon arrival, any emergency responder may unlock the TSC by using the key in the break glass box located outside the TSC.

1. Acquire a copy of Attachment 8, First Responder check-off Sheet from the Document Control File to ensure all required activities are completed.
2. Ensure all steps in Attachment 8, First Responder check-off Sheet have been completed and initialed. Forward the completed Attachment 8 to the Emergency Preparedness Coordinator upon conclusion of the event.

5.1.3 Refer to Enclosures 5 and 6 for use of speed memos and guidance on control of Re-entry teams.

5.1.4 Only controlled copies of nuclear safety related procedures, drawings, and other available plant information shall be used. Non-controlled documents or drawings should be verified with a controlled copy prior to use in the TSC.

5.1.5 During facility briefings, stop what you are doing, pay attention, and contribute as requested.

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5.2 The following TSC positions shall acquire a copy of their associated check-off attachment and ensure all steps are completed (document exceptions on form), all attachments are signed and dated and all completed attachments are forwarded to the Emergency Preparedness Coordinator at the conclusion of the event:

NOTE

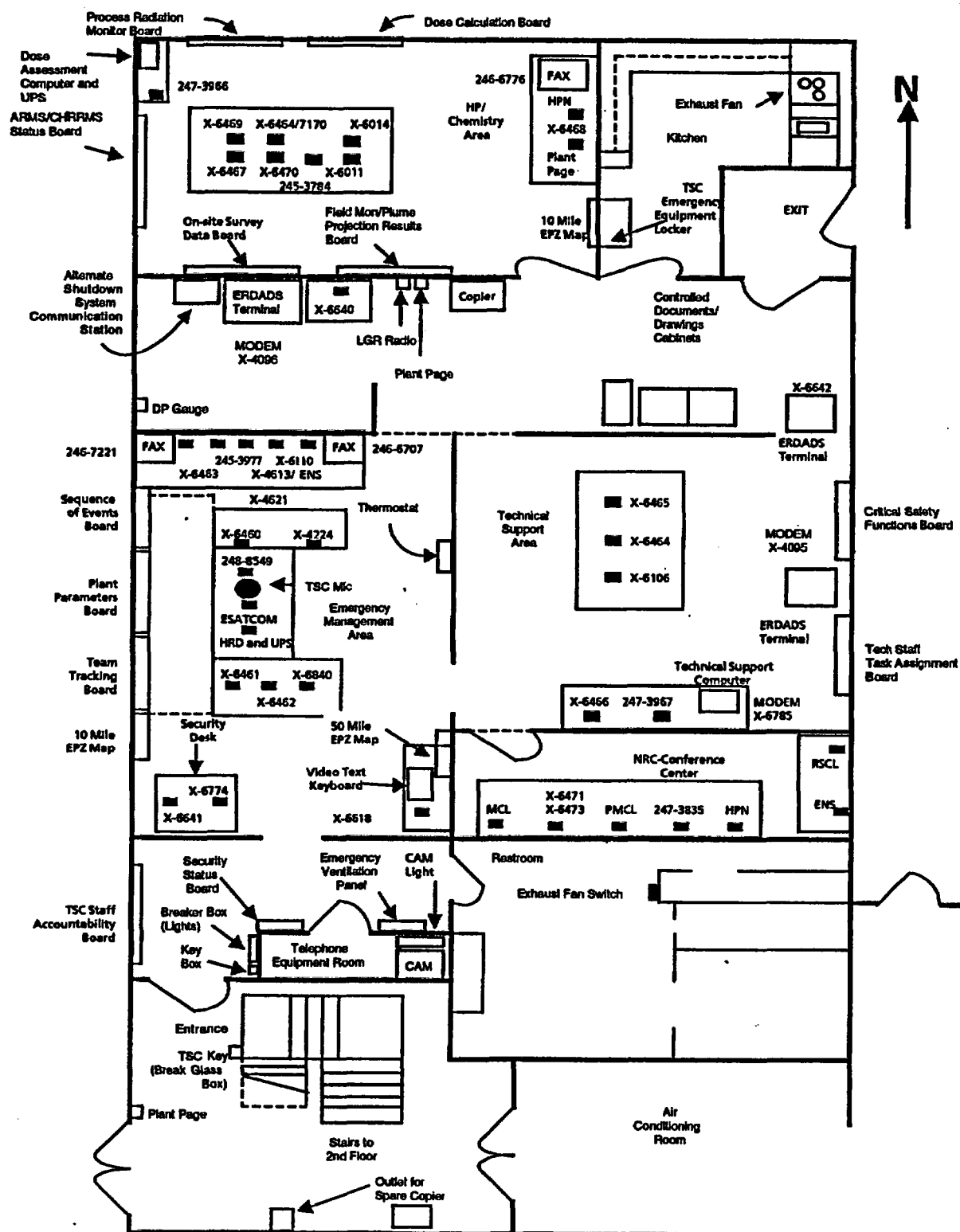
TSC personnel can acquire associated attachments from the Document Control File.

| <u>TSC POSITION</u> | <u>ATTACHMENT NO.</u> |
|--|-----------------------|
| TSC FIRST RESPONDER..... | 8 |
| TSC SUPERVISOR..... | 9 |
| TSC TECHNICAL ASSISTANT TO THE EMERGENCY COORDINATOR..... | 10 |
| TSC MAINTENANCE MANAGER..... | 11 |
| TSC OPERATIONS MANAGER..... | 12 |
| TSC HEALTH PHYSICS MANAGER..... | 13 |
| TSC CHEMISTRY SUPERVISOR..... | 14 |
| TSC DOSE ASSESSMENT TECHNICIAN..... | 15 |
| TSC SECURITY SUPERVISOR..... | 16 |
| TSC LICENSED OPERATOR..... | 17 |
| TSC PLANT DATA COMMUNICATOR..... | 18 |
| TSC ENS COMMUNICATOR..... | 19 |
| TSC STATE/COUNTY COMMUNICATOR..... | 20 |
| TSC SITE CORPORATE COMMUNICATOR..... | 21 |
| TSC EOF COMMUNICATOR..... | 22 |
| TSC LEAD ENGINEER..... | 23 |
| TSC TECHNICAL SUPPORT GROUP..... | 24 |
| TSC ERDADS OPERATOR..... | 25 |
| TSC DOCUMENT CONTROL PERSONNEL..... | 26 |

END OF TEXT

Technical Support Center (TSC) Activation and Operation

FIGURE 1
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TECHNICAL SUPPORT CENTER LAYOUT



| | | |
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ENCLOSURE 1
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EMERGENCY RESPONSE DATA SYSTEM OPERATION

NOTE

Activation of the Emergency Response Data System (ERDS) is required as soon as possible within one hour of the declaration of an Alert or higher emergency classification level. ERDS can be started from any terminal.

1. **ERDS Activation**

NOTE

For ERDS activation, ensure ERDADS Opcon is monitoring the effected unit.

- a. Press <CLEAR> function key.
- b. Type the following command if the Opcon is not monitoring the effected unit: PUP Unit X <EXEC>; (where X is the effected unit.)
- c. Press <CLEAR> function key.
- d. Type NRC <DSPLY> on any ERDADS terminal.
- e. Page-up to observe status of NRC link.
- f. If NRC link is off-line, then continue. If NRC link in on-line, then ERDS activation is complete.
- g. Type NRC <DSPLY> on keyboard.
- h. Press <TAB+> function key to position cursor to the activation field.
- i. Press <ENTER> to start ERDS program.

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EMERGENCY RESPONSE DATA SYSTEM OPERATION

2. ERDS Deactivation

NOTE

Normally the NRC Operations Center will determine when the ERDS link is terminated

- a. Press <CLEAR> function key.
- b. Insure Opcon is selected to effected unit.
- c. Type NRC
- d. Press <DSPLY> function key.
- e. Press <TAB+> function key to position cursor to the deactivation field.
- f. Type 0 in the deactivation field.
- g. Press <ENTER> to stop ERDS program.

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ENCLOSURE 2

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VERIFICATION AND OPERABILITY CHECK FOR THE TV MONITORING SYSTEM

NOTE

The Emergency Video Signal is broadcast to the plant site on Channel 8. The signal source for this channel is a 1/2 inch VCR located in the Video Editing Suite, First Floor Nuclear Administration Building, Room 1420. The VCR serving Channel 8 is mounted in the vertical equipment rack. A label reading Channel 8-VTR-3 identifies the subject VCR.

1. Verify Emergency Video System signal by performing the following:

- a. Tune any hallway monitor to Channel 8.

NOTE

The test pattern has Studio 40 on the first line followed by the alphabet on succeeding lines.

- b. If the test pattern appears on the monitor, proceed to the TSC and go to Step 2 of this enclosure.
 - c. If something other than the test pattern appears, or if no pattern appears, proceed to the video editing suite to check the VCR signal.

- (1) Tune monitor labeled RF System Monitor and Charger/edit to Channel 8.

- (2) Make sure Channel 8 VCR is on.

NOTE

Playing a tape in VTR-3 will void TSC signal.

- (3) Stop any tape that may be playing in the machine.
 - (4) Check cable in rear of VTR-3. Cables with two blue strips of tape should be plugged to inputs labeled video in and audio in.

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**VERIFICATION AND OPERABILITY CHECK
FOR THE TV MONITORING SYSTEM**

NOTE

Phone jack carrying TSC signal is labeled A-130. Phone line plugged into jack is marked with two blue strips of tape. Phone line travels to a converter box under edit console marked with two blue strips of tape. Video cable coming out of box is similarly identified.

- (5) If test pattern does not appear, check cable at phone line serving room. Make sure all connections are secure.
 - (6) If no picture appears on Channel 8, contact the Site Corporate Communications Representative.
2. After the Emergency Video System signal has been verified operable, or if directed by the TSC Supervisor, proceed to the Technical Support Center.
- a. Ensure power is on to the video keyboard.
 - b. Turn power on to the view monitors
 - c. Position the TSC video camera to relay pertinent information to the OSC and EOF (e.g., plant parameters, EC briefings, etc.)
 - d. Verify broadcast signal (i.e., what the plant is seeing) by viewing Panasonic Monitor on desk.
 - e. To type and store video text, follow instructions on keyboard or refer to manual in desk drawer.
 - f. To send video text to plant, press **Program On** key.
 - g. To send video from camera to plant, disengage **Program On** key.
- (1) If camera signal does not appear on Panasonic monitor, press **Control + X**.

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ENCLOSURE 3
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GUIDELINES FOR MAINTAINING TSC STATUS BOARDS

1. Responsibilities for maintaining each TSC Status Board are specified in Enclosure 4.
2. Obtain required information for the appropriate status board.
 - a. Utilize ERDADS if the information is available on ERDADS and the ERDADS display is available.
 - (1) Dose Assessment Status Board Keeper uses off-site Radiological Data (R3) display.
 - (2) TSC Health Physics Supervisor uses Off-site Radiological Data (R3) display.
 - (3) Other status board keepers use ERDADS displays, as necessary.
 - b. If ERDADS is not available:
 - (1) Verify the TSC Supervisor and TSC ERDADS Operator are aware that ERDADS is not available.
 - (2) Collect necessary information using attached status board worksheets, if applicable.
3. All status board keepers should ensure that status boards are updated in a timely manner.
 - a. All status boards, should generally be updated approximately every fifteen minutes.
 - b. More frequent updates may be necessary if conditions are changing rapidly.
 - c. Less frequent updates may be appropriate if conditions are changing slowly or are stable.
 - d. Status boards should always be updated at least every hour.

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ENCLOSURE 4
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TSC STATUS BOARD MAINTENANCE RESPONSIBILITIES

The following status boards should be maintained by personnel filling the indicated position. Alternate assignments may be made, as necessary. Status Boards should be updated frequently (approximately every 15 minutes **OR** more frequently than every 15 minutes during significant transient events) and the information on the board should be correct and current.

| <u>Status Board</u> | <u>Position</u> |
|--------------------------------------|-------------------------------|
| TSC Staff Accountability | TSC Security Supervisor |
| Security Events | TSC Security Supervisor |
| 10-Mile EPZ (in Management Area) | Technical Assistant to the EC |
| Team Tracking | TSC Maintenance Manager |
| Plant Equipment/ERDADS | TSC Ops Manager |
| Sequence of Events | TSC Plant Data Communicator |
| Area Radiation Monitor | TSC Health Physics Supervisor |
| Process Radiation Monitor | TSC Dose Assessment Recorder |
| Dose Assessment | TSC Dose Assessment Recorder |
| Field Team Tracking | TSC Off-site Team Leader |
| Survey Results | TSC HP OSC Communicator |
| 10-Mile EPZ Map (in HP/Chem Area) | TSC Chemistry Supervisor |
| Critical Safety Functions | TSC Lead Engineer |
| Task Assignments | TSC Lead Engineer |
| SAMG Board | TSC Lead Engineer |

| | | |
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ENCLOSURE 5
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USE OF SPEED MEMOS

- A. Speed Memos should be used for the following functions:
 - 1. Team requests.
 - 2. Information/task requests.
 - 3. Relaying information.
- B. Speed memos should be handled in the following manner:
 - 1. The requester should give the speed memo to the lead supervisor in his/her area.
 - 2. The requester's lead supervisor should give the speed memo to the TSC Supervisor.
 - 3. The TSC Supervisor should present all team request speed memos to the EC for approval and establishment of priority before forwarding to the TSC Maintenance Manager.
 - 4. The TSC Supervisor should forward all other speed memos to the responsible manager or lead supervisor of the group who will perform the requested task.

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ENCLOSURE 6

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CONTROL OF RE-ENTRY TEAMS

The Emergency Coordinator should control team requests in the TSC as follows:

1. Actions directed by Emergency or Off-Normal Operating Procedures (EOPs or ONOPs, respectively) which are required to mitigate the effects of an accident or event do not require formal team request approval, because these actions are previously reviewed and approved by the normal procedure approval process.
 - a. Teams assigned to perform tasks in accordance with EOPs or ONOPs should be documented and tracked for accountability.
2. Urgent situations such as personnel rescue, fire response or medical emergencies are exempt from this process, but should still be controlled as much as possible depending on the event.
3. Personnel receiving exposures anticipated being in excess of 10 CFR 20 limits should be volunteers familiar with the consequences of the radiological exposure.
4. Emergency exposures shall be limited to once in a lifetime for any individual.
5. Females of childbearing age shall not be permitted to receive exposures in excess of 10 CFR 20 limits.
6. Requests for actions to be performed by re-entry teams such as valve operations, repairs, damage assessments, chemistry samples, radiation monitoring, etc. should be documented in the TSC on the Team Tracking Board and in the logbooks.
7. Non-ERO personnel who may be requested to perform damage assessments, QC verifications, etc., should be utilized as part of an ERO-qualified team whose members are familiar with plant layout and can provide appropriate radiological monitoring support.
8. Any team requests should be coordinated through the TSC Supervisor for presentation to the Emergency Management Staff.
9. The Emergency Coordinator, in consultation with the appropriate TSC Supervisors, should determine the feasibility and priority of team requests by evaluating the following:
 - a. Existing or potential hazards to re-entry members (electricity, toxic gases, obstructions, barriers, oxygen levels, etc.).
 - b. Time constraints to perform task.
 - c. The benefit of performing the task versus the risk associated.
 - d. Radiological data to determine plant areas actually or potentially affected by radiation or contamination.
10. The Emergency Coordinator or designee should authorize the TSC Maintenance Manager to request a re-entry team by verbal communication to the OSC Manager and forward the information by faxing a copy of the Team Tracking Board to the OSC.

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ATTACHMENT 1 (Page 1 of 2)

FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

1. A. ☐ This Is A Drill B. ☐ This Is An Emergency
 OnLine Notification ☐ SWP ☐ MIAMI-DADE COUNTY ☐ MONROE COUNTY

2. A. Date: ___/___/___ B. Contact Time: ___ C. Reported By: Name _____

D. Message Number: _____ E. Reported From: ☐ Control Room ☐ TSC ☐ EOF

3. SITE: A. ☐ CR UNIT 3 B. ☐ SL UNIT 1 C. ☐ SL UNIT 2 D. ☐ TP UNIT 3 E. ☐ TP UNIT 4

4. EMERGENCY CLASSIFICATION: A. ☐ Notification Of Unusual Event B. ☐ Alert

C. ☐ Site Area Emergency D. ☐ General Emergency

5. A. ☐ EMERGENCY DECLARATION: B. ☐ EMERGENCY TERMINATION: Date: ___/___/___ Time: _____

6. REASON FOR EMERGENCY DECLARATION: A. ☐ IEAL Number: _____ OR B. ☐ Description: _____

7. ADDITIONAL INFORMATION OR UPDATE: A. ☐ None OR B. ☐ _____

8. WEATHER DATA: A. Wind direction from _____ degrees B. Downwind Sectors affected _____

9. RELEASE STATUS: A. ☐ None (Go to Item 11) B. ☐ Is occurring C. ☐ Has occurred, but stopped

10. RELEASE SIGNIFICANCE CATEGORY: (at the Site Boundary)

A. ☐ Information not available at this time B. ☐ Release within Normal Operating Limits (Tech Specs)

C. ☐ Non-Significant (Fraction of PAG Range) D. ☐ PAG Range (Protective Actions required)

11. UTILITY RECOMMENDED PROTECTIVE ACTIONS FOR THE PUBLIC:

A. ☐ No recommended actions at this time. B. ☐ The utility recommends the following protective actions:

EVACUATE ZONES: _____ OR Miles No Action Evacuate Sectors Shelter Sectors

SHELTER ZONES: _____ 0-2 _____

2-5 _____

C. Consider Issuance of KI: ☐ YES ☐ NO 5-10 _____

If form is completed in the Control Room, go to Item 15. If completed in the TSC or EOF, continue with Item 12.

12. PLANT CONDITIONS:

A. Reactor Shutdown? ☐ YES ☐ NO B. Core Adequately Cooled? ☐ YES ☐ NO

C. Containment Intact? ☐ YES ☐ NO D. Core Condition: ☐ Stable ☐ Degrading

13. WEATHER DATA: A. Wind Speed _____ mph B. Stability Class _____

14. ADDITIONAL RELEASE INFORMATION:

A. Noble Gases _____ Curies per second B. Iodines _____ Curies per second

C. Airborne: Date Started ___/___/___ Time Started _____ Date Stopped ___/___/___ Time Stopped _____

D. Liquid: Date Started ___/___/___ Time Started _____ Date Stopped ___/___/___ Time Stopped _____

Distance Protected Thyroid Dose (CDE) for 1 Hour Protected Total Dose (TEDE) for 1 Hour

1 Mile (Site Boundary) E. _____ mrem F. _____ mrem

2 Miles G. _____ mrem H. _____ mrem

5 Miles I. _____ mrem J. _____ mrem

10 Miles K. _____ mrem L. _____ mrem

EC or RM Approval Signature _____ Date ___/___/___ Time _____

15. MESSAGE RECEIVED BY: Name _____ Date ___/___/___ Time _____

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ATTACHMENT 1

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FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

SECTOR REFERENCE:

The chart below can be used to determine sectors affected by a radiological release, through comparison with wind direction from the meteorological recorders in the Control Room.

If the wind direction is directly on the edge of two sectors (e.g., 11°, 33°, 56°, etc.), an additional sector should be added to the protective action recommendations. For example, if the wind direction is from 78°, then the affected sectors for PARs should be L, M, N and P.

SECTOR INFORMATION:

| WIND SECTOR | WIND FROM | DEGREES | WIND TOWARD | SECTORS AFFECTED |
|-------------|-----------|---------|-------------|------------------|
| [A] | N | 348-11 | S | HJK |
| [B] | NNE | 11-33 | SSW | JKL |
| [C] | NE | 33-56 | SW | KLM |
| [D] | ENE | 56-78 | WSW | LMN |
| [E] | E | 78-101 | W | MNP |
| [F] | ESE | 101-123 | WNW | NPQ |
| [G] | SE | 123-146 | NW | PQR |
| [H] | SSE | 146-168 | NNW | QRA |
| [J] | S | 168-191 | N | RAB |
| [K] | SSW | 191-213 | NNE | ABC |
| [L] | SW | 213-236 | NE | BCD |
| [M] | WSW | 236-258 | ENE | CDE |
| [N] | W | 258-281 | E | DEF |
| [P] | WNW | 281-303 | ESE | EFG |
| [Q] | NW | 303-326 | SE | FGH |
| [R] | NNW | 326-348 | SSE | GHJ |

STABILITY CLASSIFICATION REFERENCE:

The below chart can be used to determine atmospheric stability classification for notification to the State of Florida. Primary method is from ΔT via the South Dade (60 meter) tower. Backup method is from Sigma Theta via the Ten Meter Tower. If neither meteorological tower is available, Stability Classification shall be determined using data from National Weather Service (See 0-EPIP-20126, Off-site Dose Calculations).

CLASSIFICATION OF ATMOSPHERIC STABILITY:

| Stability Classification | Pasquill Categories | Primary Delta T (°F) | Backup Sigma Theta Range (Degrees) |
|--------------------------|---------------------|-----------------------------|--|
| Extremely unstable | A | $\Delta T \leq -1.7$ | $ST \geq 22.5$ |
| Moderately unstable | B | $-1.7 < \Delta T \leq -1.5$ | $22.5 > ST \geq 17.5$ |
| Slightly unstable | C | $-1.5 < \Delta T \leq -1.4$ | $17.5 > ST \geq 12.5$ |
| Neutral | D | $-1.4 < \Delta T \leq -0.5$ | $12.5 > ST \geq 7.5$ |
| Slightly stable | E | $-0.5 < \Delta T \leq +1.4$ | $7.5 > ST \geq 3.8$ |
| Moderately stable | F | $+1.4 < \Delta T \leq +3.6$ | $3.8 > ST \geq 2.1$ |
| Extremely stable | G | $+3.6 < \Delta T$ | $2.1 > ST$ |

Meteorological information needed to fill out the Florida Nuclear Plant Emergency Notification Form is available from the Dose Calculation Worksheet (0-EPIP-20126). The Worksheet shall be filled out by Chemistry and given to the Emergency Coordinator.

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**ATTACHMENT 2
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EVENT NOTIFICATION WORKSHEET

| | | | | | | | |
|--|--------------------------|---|------|----------------|--|--|---|
| NRC FORM 361 (12-2000) | | REACTOR PLANT EVENT NOTIFICATION WORKSHEET | | | | US NUCLEAR REGULATORY COMMISSION OPERATIONS CENTER EN# | |
| NRC OPERATION TELEPHONE NUMBER: PRIMARY - 301-818-5100 OR 800-532-3489*, BACKUPS - [1st] 301-951-0550 or 800-449-3694*, [2nd] 301-415-0550 AND [3rd] 301-415-6553 *Licensees who maintain their own ETS are provided these telephone numbers. | | | | | | | |
| NOTIFICATION TIME | FACILITY OR ORGANIZATION | | UNIT | NAME OF CALLER | | CALL BACK # | |
| EVENT TIME & ZONE | EVENT DATE | POWERMODE BEFORE | | | POWERMODE AFTER | | |
| EVENT CLASSIFICATIONS | | 1-Hr. Non-Emergency 10 CFR 50.72(b)(1) | | | (v)(A) Safe S/D Capability AINA | | |
| GENERAL EMERGENCY | GEN/AAEC | TS Deviation | | | ADEV | (v)(B) RHR Capability AINB | |
| SITE AREA EMERGENCY | | 4-Hr. Non-Emergency 10 CFR 50.72(b)(2) | | | (v)(C) Control of Rad Release AINC | | |
| ALERT | ALE/AAEC | (i) | | | TS Required S/D | ASHU | (v)(D) Accident Mitigation AIND |
| UNUSUAL EVENT | UNU/AAEC | (ii)(A) | | | ECCS Discharge to RCS | ACCS | (di) Off-site Medical AMED |
| 50.72 NON-EMERGENCY (see next column) | | (ii)(B) | | | RPS Actuation (scram) | ARPS | (dii) Loss Comm/Asmt/Resp ACOM |
| PHYSICAL SECURITY (73.71) | DDDD | (ii) | | | Off-site Notification | APRE | 60-Day Optional 10 CFR 50.73(a)(1) |
| MATERIAL/EXPOSURE | B??? | 8-Hr. Non-Emergency 10 CFR 50.72(b)(3) | | | Invalid Specified System Actuation AINV | | |
| FITNESS FOR DUTY | HFIT | (ii)(A) | | | Degraded Condition | ADEG | Other Unspecified Requirement (Identity) |
| OTHER UNSPECIFIED REQMT. (see last column) | | (ii)(B) | | | Unanalyzed Condition | AUNA | NONR |
| INFORMATION ONLY | NNF | (iv)(A) | | | Specified System Actuation | AESF | NONR |

DESCRIPTION

Include: Systems affected, actuations and their initiating signals, causes, effect of event on plant, actions or planned, etc. (Continue on back)

| | | | | | | |
|---------------------|--------------------------|--------------------------|--------------------------|---------------------------------------|--|--|
| NOTIFICATIONS | YES | NO | WILL BE | ANYTHING UNUSUAL OR NOT UNDERSTOOD? | <input type="checkbox"/> YES (Explain above) | <input type="checkbox"/> NO |
| NRC RESIDENT | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| STATE(s) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | DID ALL SYSTEMS FUNCTION AS REQUIRED? | <input type="checkbox"/> YES | <input type="checkbox"/> NO (Explain above) |
| LOCAL | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| OTHER GOV AGENCIES | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | MODE OF OPERATION UNTIL CORRECTED:: | ESTIMATED RESTART DATE:: | ADDITIONAL INFO ON BACK |
| MEDIA/PRESS RELEASE | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |

NRC FORM 361 (12-200)

| | | |
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EVENT NOTIFICATION WORKSHEET

ADDITIONAL INFORMATION

PAGE 2 OF 2

| | | | | | | |
|--|--|-----------------------|--|---|---|--|
| RADIOLOGICAL RELEASES: CHECK OR FILL IN APPLICABLE ITEMS (specific details/explanations should be covered in event description) | | | | | | |
| <input type="checkbox"/> LIQUID RELEASE | <input type="checkbox"/> GASEOUS RELEASE | | <input type="checkbox"/> UNPLANNED RELEASE | <input type="checkbox"/> PLANNED RELEASE | <input type="checkbox"/> ONGOING | <input type="checkbox"/> TERMINATED |
| <input type="checkbox"/> MONITORED | <input type="checkbox"/> UNMONITORED | | <input type="checkbox"/> OFF-SITE RELEASE | <input type="checkbox"/> T.S. EXCEEDED | <input type="checkbox"/> RM ALARMS | <input type="checkbox"/> AREAS EVACUATED |
| <input type="checkbox"/> PERSONNEL EXPOSED OR CONTAMINATED | | | <input type="checkbox"/> OFF-SITE PROTECTIVE ACTIONS RECOMMENDED | | <input type="checkbox"/> *State release path in description | |
| | Release Rate (Ci/sec) | % T.S. LIMIT | HOOD GUIDE | Total Activity (Ci) | % T.S. LIMIT | HOOD GUIDE |
| Noble Gas | | | 0.1 Ci/sec | | | 1000 Ci |
| Iodine | | | 10 uCi/sec | | | 0.01 Ci |
| Particulate | | | 1 uCi/sec | | | 1 mCi |
| Liquid (excluding tritium and dissolved noble gases) | | | 10 uCi/min | | | 0.1 Ci |
| Liquid (tritium) | | | 0.2 Ci/min | | | 5 Ci |
| Total Activity | | | | | | |
| | PLANT STACK | CONDENSER/AIR EJECTOR | MAIN STEAM LINE | SG BLOWDOWN | OTHER | |
| RAD MONITOR READINGS: | | | | | | |
| ALARM SETPOINTS: | | | | | | |
| % T.S. LIMIT (if applicable) | | | | | | |
| RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS: (specific details/explanations should be covered in event description) | | | | | | |
| LOCATION OF THE LEAK (e.g., SG #, valve, pipe, etc) | | | | | | |
| LEAK RATE: | | UNITS: gpm/gpd | T.S. LIMITS: | SUDDEN OR LONG TERM DEVELOPMENT: | | |
| LEAK START DATE: | | TIME: | COOLANT ACTIVITY AND UNITS: | <input type="checkbox"/> PRIMARY <input type="checkbox"/> SECONDARY | | |
| LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL: | | | | | | |

EVENT DESCRIPTION (Continued from front)

LE

| | | |
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ATTACHMENT 3
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EMERGENCY PLAN SECURITY CHECKLIST

| ITEM | EVENT/ACTION | START TIME | FINISH TIME |
|------|---|------------|-------------|
| 1 | TYPE OF EVENT | N/A | N/A |
| A | LOCAL AREA EVACUATION | | |
| B | CONTROL ROOM EVALUATION | | |
| | S/O POSTED AT D840 | N/A | |
| C | UNUSUAL EVENT | | N/A |
| D | ALERT – PATROL DISPATCHED FOR OCA NOTIFICATION | | N/A |
| | SCHOOL/TRAINING/WEELNESS COMPLEX NOTIFIED | N/A | |
| | BOAT RAMP SIGNS POSTED/PERSONNEL NOTIFIED | N/A | |
| | RED BARN/SCOUT CAMP NOTIFIED | N/A | |
| | SWITCHYARD PERSONNEL NOTIFIED | N/A | |
| | PERSONNEL IN TRAILERS SOUTH OF CRF NOTIFIED | N/A | |
| | PERSONNEL IN LAYDOWN AREA NORTH OF CRF NOTIFIED | N/A | |
| | FOSSIL CONTROL ROOM NOTIFIED | N/A | |
| | OCA NOTIFICATIONS COMPLETE | N/A | |
| E | SITE AREA EMERGENCY | | N/A |
| F | GENERAL EMERGENCY | | N/A |
| 2 | DISPATCH SUPERVISOR AND S/O TO OPEN TSC | | N/A |
| A | TSC POSTED | N/A | |
| 3 | DISPATCH 2 S/Os TO OPEN OSC | | N/A |
| A | OSC POSTED | N/A | |
| 4 | TSC SECURITY SUPERVISOR POSTED IN TSC | N/A | |
| | | | |
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ATTACHMENT 3

(Page 2 of 3)

EMERGENCY PLAN SECURITY CHECKLIST

| ITEM | EVENT/ACTION | START TIME | FINISH TIME |
|------|--|------------|-------------|
| 5 | EVACUATION ROUTE <input type="checkbox"/> PRIMARY <input type="checkbox"/> ALTERNATE | N/A | N/A |
| A | PRIMARY EVACUATION ROUTE | N/A | N/A |
| | DISPATCH S/O TO PRIMARY OSAA | | N/A |
| | DISPATCH S/O TO FPL PROPERTY LINE | | N/A |
| | S/O POSTED AT PRIMARY OSAA | N/A | |
| | S/O POSTED AT FPL PROPERTY LINE | N/A | |
| | S/O AT PROPERTY LINE RELOCATED TO LLEA CONTROL POINT | N/A | |
| B | ALTERNATE EVACUATION ROUTE | N/A | N/A |
| | DISPATCH S/Os TO TOWER GATE AND ALTERNATE OSAA | | N/A |
| | S/O POSTED AT TOWER GATE | N/A | |
| | S/O POSTED AT ALTERNATE OSAA | N/A | |
| | S/O POSTED AT CARD SOUND ROAD | N/A | |
| 6 | PA ACCESS RESTRICTED TO ERD PERSONNEL | | N/A |
| 7 | VISITORS DIRECTED TO LEAVE PA | | N/A |
| A | VISITORS ACCOUNTED FOR | N/A | |
| 8 | CONTRACTOR PERSONNEL DIRECTED TO LEAVE PA | | N/A |
| A | CONTRACTOR PERSONNEL ACCOUNTED FOR | N/A | |
| 9 | PA EVACUATION DIRECTED | | N/A |
| A | ACCOUNTABILITY STARTED | | N/A |
| B | INITIAL ACCOUNTABILITY COMPLETED | N/A | |
| C | ALL PERSONNEL ACCOUNTED FOR | N/A | |
| D | RCA SWEEPS STARTED | | N/A |
| E | RCA SWEEPS COMPLETED | N/A | |
| F | PA SWEEPS STARTED | | N/A |
| G | PA SWEEPS COMPLETED | N/A | |
| | | | |
| | | | |
| | | | |

ATTACHMENT 4
(Page 1 of 1)

TSC EMERGENCY VENTILATION SYSTEM PERFORMANCE LOG

[illegible]

| | | |
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ATTACHMENT 5
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TSC BRIEFING FORM

1. Health Physics Update:

2. Chemistry/Dose Assessment Update:

3. Operations Update:

4. Technical Support Update:

5. Security Update:

| | | |
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ATTACHMENT 6
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TSC STAFF ACCOUNTABILITY LOG

DATE: _____

| <u>POSITION</u> | <u>NAME</u> | <u>BADGE NO.</u> |
|--------------------------------|-------------|------------------|
| Emergency Coordinator | _____ | _____ |
| TSC Chemistry Supervisor | _____ | _____ |
| TSC Document Control Personnel | _____ | _____ |
| TSC Document Control Personnel | _____ | _____ |
| TSC Dose Assessment Recorder | _____ | _____ |
| TSC Dose Assessment Technician | _____ | _____ |
| TSC Electrical/I&C Engineer | _____ | _____ |
| TSC ENS Communicator | _____ | _____ |
| TSC EOF Communicator | _____ | _____ |
| TSC ERDADS Operator | _____ | _____ |
| TSC Health Physics Supervisor | _____ | _____ |
| TSC HPN Communicator | _____ | _____ |
| TSC HP/OSC Communicator | _____ | _____ |
| TSC Licensed Operator Support | _____ | _____ |
| TSC Mechanical Engineer | _____ | _____ |
| TSC Maintenance/Eng Liaison | _____ | _____ |
| TSC Maintenance Manager | _____ | _____ |
| TSC Off-site Team Leader | _____ | _____ |
| TSC Operations Manager | _____ | _____ |

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TSC STAFF ACCOUNTABILITY LOG

DATE: _____

| <u>POSITION</u> | <u>NAME</u> | <u>BADGE NO.</u> |
|--|-------------|------------------|
| TSC Plant Data Communicator | _____ | _____ |
| TSC Reactor Engineer | _____ | _____ |
| TSC Security Supervisor | _____ | _____ |
| TSC Security Officer | _____ | _____ |
| TSC Security Officer | _____ | _____ |
| TSC Site Corporate Communicator | _____ | _____ |
| TSC Station Area Operations Supervisor | _____ | _____ |
| TSC State/County Communicator | _____ | _____ |
| TSC Supervisor | _____ | _____ |
| TSC Tech Assist to Emerg Coord | _____ | _____ |
| Miscellaneous Positions/Additions | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

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ATTACHMENT 7
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SECURITY ACCOUNTABILITY SHEET

| Badge #'s 1-500 | Badge #'s 501-1000 | Badge #'s 1001-1500 | Badge #'s 1501-2000 | Badge #'s 2001-2500 | Badge #'s 2501-3000 |
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | | | | | |
| Badge #'s 3001-3500 | Badge #'s 3501-4000 | Badge #'s 4001-4500 | Badge #'s 4501-5000 | Badge #'s 5001-5500 | Badge #'s 5501-5599 |
| | | | | | |

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ATTACHMENT 8

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TSC FIRST RESPONDER CHECK-OFF SHEET

NOTE

The following attachment steps may be performed out of sequence.

- ☐ If not already unlocked by Security, unlock the TSC using the TSC key located in the break glass.
 - ☐ Energize breakers for TSC lighting as listed on the breaker panel located inside the TSC door.
 - ☐ Sign in on the TSC Staff Accountability Board and record badge numbers.
 - ☐ Secure (turn off) the exhaust fans located in the bathroom and kitchen (above stove) to establish pressure boundary.
- Initiate TSC Ventilation System by completing the following tasks:
- ☐ a. On the Emergency Ventilation Panel, set Air Removal Filter switch to EMERG.
 - ☐ b. On the Emergency Ventilation Panel, set Air Handler Unit switch to BYPASS.
 - ☐ c. On the Emergency Ventilation Panel, set Humidity Control switch to ON.
 - ☐ d. On the Air Conditioning thermostat, set Thermostat Fan switch to ON.
 - ☐ e. Verify the DP Gauge located in the ERDADS Operator cubicle on the west wall indicates a positive pressure when the TSC doors are closed.
- Start the TSC Continuous Air Monitor (CAM) located in the Telephone Equipment Room by completing the following tasks:
- ☐ a. Verify the CAM power cord is plugged into an electrical outlet.
 - ☐ b. Turn CAM Power Switch to ON located on the back of the CAM (if not already on).
 - ☐ c. Turn Sample Pump Power ON using switch located on the pump power cord.
 - ☐ d. Log start time and date on the CAM strip chart recorder located on the front of the CAM.

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ATTACHMENT 8
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**TSC FIRST RESPONDER
CHECK-OFF SHEET**

- ☐ Unlock the TSC Document Control Cabinets
- ☐ Activate the Emergency Response Data System (ERDS). Refer to Enclosure 1 for activation instructions.
- ☐ a. Once the ERDS link has been established ensure the ENS communicator informs the NRC that the link is in place.
- ☐ Verify audibility of the Plant Page System throughout the TSC.
- ☐ Turn the copy machine on.

Completed by: _____ Date: _____

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ATTACHMENT 9

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TSC SUPERVISOR CHECK-OFF SHEET

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Ensure Step 5.1.2 for the first emergency responders has been completed.
- ☐ Sign in on the TSC Staff Accountability Board and record badge number.
- ☐ Ensure all emergency responders sign in on the TSC Staff Accountability Board.
- ☐ Ensure the following TSC positions have been filled to satisfy minimum staffing requirements prior to the Emergency Coordinator declaring the TSC Operational:
 - a. Emergency Coordinator (1)
 - b. TSC Health Physics Supervisor (1)
 - c. TSC Maintenance Manager (1) or TSC Mechanical Engineer (1)
 - d. TSC Technical Assistant to the Emergency Coordinator (1)
 - e. TSC Chemistry Supervisor (1)
 - f. TSC ENS Communicator (1)
 - g. TSC State/County Communicator (1)
 - h. TSC Dose Assessment Technician (1)
 - i. TSC Reactor Engineer (1)
 - j. TSC Electrical / I&C Engineer (1)
- ☐ Upon arrival of the TSC Licensed Operator, determine the need for off-site assistance.
- ☐ Ensure Determination of on-site manpower requirements.
- ☐ Verify adequate communication capabilities exist within the TSC.
- ☐ Ensure facility clocks are synchronized to time indicated on ERDADS.
- ☐ Take actions to fill position vacancies within the TSC.

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ATTACHMENT 9

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TSC SUPERVISOR CHECK-OFF SHEET

Facility Activation (Cont'd)

- ☐ Ensure speed memos, and other supplies are available for the TSC Staff.
- ☐ Inform the Emergency Coordinator that these activation steps have been completed.
- ☐ When the Emergency Coordinator's duties have been transferred to the TSC, have the Control Room make an announcement to inform plant personnel that the TSC has been activated.

Facility Operation

- ☐ Direct technical and operational assessment activities as required.
- ☐ Verify that the Plant Data and Sequence of Events Boards are maintained and updated in a timely manner.
- ☐ Inform the Emergency Coordinator of assessment activities, equipment, and problems.
- ☐ Periodically verify operability of the TSC ventilation system.
- ☐ Contact additional support personnel as needed.
- ☐ Verify operability of, and timeliness of, communication/ notification links.
- ☐ Periodically review team priorities on the Team Tracking Board.
- ☐ Update the TSC Operations Manager and Emergency Coordinator on team requests and priorities and relay requests and priority adjustments to the TSC Maintenance Manager for disposition.
- ☐ Review and route Speed Memos to the appropriate supervisor for resolution/answer.
- ☐ Resolve equipment and assessment capability problems.
- ☐ Approximately every 45 minutes, have the Emergency Coordinator provide a status update and include the disciplines listed on Attachment 5, or acquire status updates from the disciplines listed on Attachment 5 and provide the completed form to the EC for his update.
- ☐ Maintain a log of activities.

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**ATTACHMENT 9
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**TSC SUPERVISOR
CHECK-OFF SHEET**

Facility Closeout and Restoration

- ☐ Coordinate TSC deactivation with the Emergency Coordinator.
- ☐ Deactivate ERDS in accordance with Enclosure 1.
- ☐ Direct TSC deactivation with all TSC personnel.
- ☐ Verify TSC accountability and ensure TSC Security personnel have properly completed a form similar to Attachment 6.
- ☐ Collect all paperwork generated during the event and forward to the Emergency Preparedness Coordinator.
- Restore the TSC Ventilation System by completing the following tasks.
- ☐ a. On the Emergency Ventilation Panel, set Air Removal Filter switch to NORMAL.
- ☐ b. On the Emergency Ventilation Panel, set Air Handler Unit to NORMAL.
- ☐ c. On the Emergency Ventilation Panel, set Humidity Control switch to OFF.
- ☐ d. On the Air Conditioning Thermostat, set Thermostat Fan switch to AUTO.
- ☐ e. Place the exhaust fan switch in the restroom (wall switch on east wall) to ON.
- ☐ De-energize the TSC Continuous Air Monitor and Sample Pump.
- ☐ a. Log stop time and date on the CAM strip chart recorder located on the front of the CAM.
- ☐ b. Ensure the TSC Health Physics Supervisor retains the filter for radiological analysis.
- ☐ c. Unplug CAM power cord.
- ☐ d. Turn sample pump off using switch located on pump power cord.
- ☐ Ensure a final printout of the boards is made and all boards are erased.
- ☐ Ensure the TSC has been returned to its original condition.
- ☐ Release TSC personnel, as appropriate.

Completed by: _____ Date: _____

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ATTACHMENT 10
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**TECHNICAL ASSISTANT TO EMERGENCY COORDINATOR
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.
- ☐ Determine present Emergency Action Level status.
- ☐ Ensure latest notifications to off-site agencies correctly portrayed present situation.
- ☐ Assist the TSC Operations Manager in utilizing the Emergency Operating Procedures.
- ☐ Inform the Emergency Coordinator that these activation steps have been completed.

Facility Operation

- ☐ Follow the sequence of events through the associated EPIPs.
- ☐ a. Ensure completion of applicable steps of 0-EPIP-20101, Duties of the Emergency Coordinator, as verification for the EC.
- ☐ Assist in the determination of Emergency Action Level status.
- ☐ Assist the Emergency Coordinator in developing Protection Action Recommendations (PARs) based on plant conditions from the TSC Operations Manager, and on Dose Projections from the TSC Chemistry Supervisor.
- ☐ Ensure that Protection Action Recommendations made by FPL and Protection Action Recommendations issued by government agencies are posted on the 10-Mile EPZ Map in the management area of the TSC.
- ☐ Assist the TSC Operations Manager in following Control Room actions through the Emergency Operating Procedures.
- ☐ Provide SRO expertise for accident assessment functions, as necessary.
- ☐ Assist the Emergency Coordinator with preparation for TSC briefings using Attachment 5 as necessary.
- ☐ Maintain a log of activities.

Completed by: _____ Date: _____

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|---|--|---|

**ATTACHMENT 11
(Page 1 of 2)**

**TSC MAINTENANCE MANAGER
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.
- ☐ Establish communication link with the OSC Manager using the phone number listed in the ERD.
- ☐ Commence updating the TSC Team Tracking Board for teams previously or presently out in the plant (operators involved in mitigation activities, etc.) and ensure that this information is provided to the OSC Manager.
- ☐ Update the Emergency Coordinator on the status of OSC activation.
- ☐ Ensure the availability and readiness of company vehicles for Off-site ERT use, as necessary.
- ☐ Inform the Emergency Coordinator that these activation steps have been completed.

Facility Operation

- ☐ Inform the Emergency Coordinator when the OSC becomes operational.
- ☐ Inform the OSC Manager when TSC briefings are taking place.
- ☐ Communicate approved team requests to the OSC.
- ☐ a. Record team activities in the logbook.
- ☐ b. Periodically print out copies of the Team Tracking Board for review and retention.
- ☐ c. Fax a printout of the TSC Team Tracking Board to the OSC as necessary.

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**TSC MAINTENANCE MANAGER
CHECK-OFF SHEET**

Coordinate assigning priorities to team activities with the following applicable positions and provide the OSC Manager with assigned priorities:

- ☐ a. Emergency Coordinator
- ☐ b. TSC Supervisor
- ☐ c. TSC Operations Manager
- ☐ d. TSC HP Supervisor
- ☐ e. TSC Chemistry Supervisor
- ☐ f. TSC Lead Engineer

☐ Provide TSC personnel with updates and results of team activities.

☐ Ensure that the Team Tracking Board is maintained and updated in a timely manner.

☐ a. Teams assigned multiple tasks should be updated as the tasks are completed in order to maintain accurate and current accountability of the teams.

☐ Provide the OSC with pertinent information concerning team activities (i.e., when unit goes to recirculation, release identified, etc.) as it becomes available.

☐ Communicate results of damage assessments to the Emergency Coordinator in a timely manner.

☐ Maintain a log of activities.

Completed by: _____ Date: _____

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|---|--|-----------------------------------|
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ATTACHMENT 12
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**TSC OPERATIONS MANAGER
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.
- ☐ Establish a communication link with the Control Room, TSC Technical Support Group and OSC Operation Supervisor.
- ☐ a. Establish Control Room communications by calling the appropriate extension (refer to ERD).
- ☐ b. Place the Control Room on hold by depressing the conference button.
- ☐ c. Establish OSC Operations Communications by calling the appropriate extension (Ref to ERD)
- ☐ d. Place the OSC Operations Supervisor on hold by depressing the conference button.
- ☐ e. Establish TSC Technical Support Communications by dialing the Tech Support Extension (Refer to ERD).
- ☐ f. When TSC Tech Support Communications are established, establish conference call with the Control Room and the OSC Operations Supervisor by again pressing conference button.
- ☐ g. Conference call should be established with the Control Room, TSC Operations Manager, TSC Technical Support Group and the OSC Operations Supervisor.
- ☐ h. Handsfree communications may be established by pressing the Handsfree mute button and hanging up the handset.
- ☐ i. Ensure the TSC Tech Support Group's phone is in Listen Only mode (i.e., with microphone off).
- ☐ j. If the TSC Chemistry Supervisor is monitoring the Tech Support Extension, ensure Chemistry/HP phone is in Listen Only mode also.
- ☐ Determine the status of turnover of the plant operators from the Control Room.
- ☐ Notify the Control Room when the TSC/OSC are activated to ensure operators and other teams will commence receiving direction from the TSC/OSC.

| | | |
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**TSC OPERATIONS MANAGER
CHECK-OFF SHEET**

Facility Activation (Cont'd)

- ☐ Determine status of jobs being performed/completed by Operations personnel and relay information to the TSC Maintenance Manager and Control Room.
- ☐ Upon turnover of notification/communication duties from the Control Room to the TSC, request the designated Control Room Communicator to monitor the radio channel in use by the field operators, and provide status and updates to the Control Room staff.
- ☐ Log on computer and open LAN based ERDADS/R-TIME. Display ED-3 screen.
- ☐ Ensure plant equipment/ERDADS board projector is turned on.
- ☐ Inform the Emergency Coordinator that these activation steps have been completed.

Facility Operation

- ☐ Control Room requests for mitigating accidents should be given the highest priority to ensure successful and timely completion of EOP activities.
- ☐ a. Document requests for teams from the Control Room in the logbook and forward requests to the TSC Supervisor.
- ☐ Update the Control Room on the team activities in the OSC.
- ☐ Act as a liaison between the TSC, OSC, and the Control Room.
- ☐ a. Provide feedback to the Control Room on the status of team activities.
- ☐ b. Communicate results of damage assessments to the Emergency Coordinator in a timely manner.
- ☐ Follow Control Room actions through the Emergency Operating Procedures and provide the TSC Maintenance Manager with requests for teams from the EOP's.
- ☐ Assist in the determination of Emergency Action Level status.
- ☐ Provide plant condition information to the Emergency Coordinator for development of Protective Action Recommendations.
- ☐ **IF** the emergency involves a security response, **THEN** designate a Licensed Operator to serve as a liaison in SAS/CAS, as needed.
- ☐ Document any use of 50.54(x) in accordance with 0-ADM-207, Operations Instructions, in the Event of a Situation Not Addressed by Procedure, and ensure deviations are communicated to the Control Room.
- ☐ Maintain a log of activities.

Completed by: _____ Date: _____

| | | |
|---|--|---|
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ATTACHMENT 13
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**TSC HEALTH PHYSICS SUPERVISOR
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.
- ☐ Verify the operability of the continuous air monitor using 0-HPT-013.3, CALIBRATION AND OPERATION OF THE EBERLINE BETA AIR MONITORING SYSTEM MODEL AMS-3(A).
- ☐ Upon arrival of the TSC HP OSC Communicator, ensure communication is established with the OSC HP Communicator.
- ☐ Upon arrival of the HPN Communicator, ensure communication is established with the NRC, as required.
- ☐ a. Record transmitted information in the HPN Communicator logbook.
- ☐ Determine the need for and the availability of the Off-site Emergency Response Teams.
- ☐ Ensure the TSC Off-site Team Leader establishes communications with the Off-site Emergency Response Teams, as needed.
- ☐ Acquire significant meteorological and radiological data for off-site radiological assessment from ERDADS (R3) or the Control Room.
- ☐ Commence updating the Area Radiation Monitor Status Board.
- ☐ Provide dosimetry to responders, as required.
- ☐ Establish a radiological control point for the TSC, as necessary.
- ☐ Verify operability of the TSC HP/Chemistry fax machine.
- ☐ Inform the Emergency Coordinator that these activation steps have been completed.

ATTACHMENT 13

(Page 2 of 2)

TSC HEALTH PHYSICS SUPERVISOR
CHECK-OFF SHEETFacility Operation

- ☐ Periodically assess habitability and dose rates within the TSC.
- ☐ Ensure the OSC Manager dispatches an on-site re-entry team, as necessary, to perform surveys of the areas being inhabited during the emergency, i.e., Control Rooms, TSC, OSC, CAS, and SAS.
- ☐ Ensure TSC staff check personal dosimetry approximately once every thirty minutes.
- ☐ Ensure adequacy of HPN communications.
- ☐ Update the Off-site Emergency Response Teams at a minimum of once an hour or as conditions change or information becomes available.
- ☐ Ensure the TSC Offsite Team Leader is coordinating FPL off-site emergency response teams with Department of Health - Bureau of Radiation Control field teams through the EOF Field Monitoring Coordinator, as necessary.
- ☐ Ensure that the Area Radiation Monitor Board is maintained and updated in a timely manner.
- ☐ Update the OSC as conditions change or information becomes available by using the fax machine or telephone.
- ☐ Review team requests pertaining to Health Physics activities and forward to the TSC Supervisor.
- ☐ Upon notification of a release, or the need to evacuate the site, determine evacuation route as needed.
 - ☐ a. Ensure the Assembly Area Supervisor is dispatched to the appropriate assembly area prior to the evacuation order.
- ☐ Update the Emergency Coordinator on a periodic basis (approximately every 30 minutes, or as significant changes occur).
- ☐ Maintain a log of activities.

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ATTACHMENT 14
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**TSC CHEMISTRY SUPERVISOR
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.
 - ☐ Upon arrival of the TSC Dose Assessment Technician ensure Off-site Dose Calculations are initiated, in accordance with 0-EPIP-20126, OFF-SITE DOSE CALCULATIONS.
 - ☐ Acquire significant meteorological and radiological data for accident assessment purposes, using the most accurate and reliable source in accordance with 0-EPIP-20126, OFF-SITE DOSE CALCULATIONS.
 - ☐ Upon arrival of the TSC Dose Assessment Recorder, ensure updating of the Dose Assessment and Process Radiation Monitor Status Boards are initiated using ERDADS printout Off-site Dose Radiological Data (R3).
 - ☐ Determine status of previous dose assessment activities from the on-shift Chemistry Technician, if applicable.
 - ☐ Fax completed dose calculation information to the EOF for use during activation.
- If a Listen Only communication link between the Control Room and the TSC Operations Manager is desired, perform the following:
- ☐ a. Press the button for Extension 6464.
 - ☐ b. Press the Handsfree Mute button for Listen Only capability.
 - ☐ c. Adjust volume
 - ☐ Inform the Emergency Coordinator that these activation steps have been completed.

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ATTACHMENT 14

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TSC CHEMISTRY SUPERVISOR CHECK-OFF SHEET

Facility Operation

- ☐ Ensure off-site dose calculations are performed in accordance with 0-EPIP-20126, OFF-SITE DOSE CALCULATIONS, as conditions change and in conjunction with the EOF.
- ☐ Acquire and analyze the results of Chemistry sampling data.
- ☐ Ensure that the Process Radiation Monitor and Dose Assessment Status Boards are maintained and updated in a timely manner.
- ☐ Review team requests pertaining to Chemistry activities and forward to the TSC Supervisor.
- ☐ Provide the Emergency Coordinator with briefings approximately every 30 minutes on dose assessment activities and results, or as significant changes occur.
- ☐ Provide applicable data to the Emergency Coordinator for the determination of protective action recommendations based on off-site dose projections approximately every 30 minutes or as necessary.
- ☐ Update the 10-Mile EPZ Map in the HP/Chemistry area with the Protective Action Recommendations issued to the public.
- ☐ Provide offsite dose calculation information to the TSC Technical Support Group during implementation of SAMG.
- ☐ Maintain a log of activities.

Completed by: _____ Date: _____

| | | |
|---|--|---|
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**ATTACHMENT 15
(Page 1 of 1)**

**TSC DOSE ASSESSMENT TECHNICIAN
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.
- ☐ Initiate Off-site Dose Calculations in accordance with 0-EPIP-20126, OFF-SITE DOSE CALCULATIONS.

Facility Operation

- ☐ Perform off-site dose calculations in accordance with 0-EPIP-20126, OFF-SITE DOSE CALCULATIONS.
- ☐ Ensure all previous dose calculation paperwork is faxed to the EOF to expedite EOF activation.
- ☐ Provide applicable data to the TSC Chemistry Supervisor for the determination of Protection Action Recommendations.
- ☐ Coordinate dose assessment with the EOF.

Completed by: _____ Date: _____

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ATTACHMENT 16
(Page 1 of 2)

**TSC SECURITY SUPERVISOR
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.
- ☐ Determine present status of Security Force activities by completing the appropriate sections of a form similar to Attachment 3.
- ☐ Commence updating the Security Status Board with security activities.
- ☐ Upon arrival of the TSC Security Officer, ensure access to and egress from the TSC is controlled, and assistance is given in the maintenance of TSC accountability.
- ☐ Ensure the Security Officer is present in the OSC and performing the following duties:
 - ☐ a. Referencing 0-EPIP-20133, Operations Support Center (OSC) Activation and Operation for outlined responsibilities.
 - ☐ b. Controlling the protected area and vital area keys.
 - ☐ c. Controlling access to and egress from the OSC.
 - ☐ d. Initiating the OSC Staff Accountability Log.
- ☐ Ensure accountability within the facility has been established and is maintained, and that a form similar to Attachment 6 has been initiated.
- ☐ For Security related, operational issues, coordinate with the TSC Operations Manager for the dispatch of a licensed operator to respond to the Security Command Post as Security Command Post Operations.
- ☐ Inform the Emergency Coordinator that these activation steps have been completed.

| | | |
|---|--|---|
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ATTACHMENT 16
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**TSC SECURITY SUPERVISOR
CHECK-OFF SHEET**

Facility Operation

- ☐ Implement, and ensure the Security Force has implemented SFI-6307, Emergency Evacuation and Accountability, as necessary.
- ☐ Ensure the TSC Staff Accountability Board is maintained and a form similar to Attachment 6 is completed.
- ☐ a. Upon completion of the TSC Staff Accountability Log (form similar to Attachment 6), complete a Security Accountability Sheet (form similar to Attachment 7) and fax or deliver to the Secondary Alarm Station.
- ☐ Ensure the Security Events Status Board is updated in a timely manner.
- ☐ Provide an initial accountability report to the Emergency Coordinator within 30 minutes of a Site Evacuation Announcement in accordance with SFI-6307, EMERGENCY EVACUATION AND ACCOUNTABILITY.
- ☐ Coordinate security activities with other departments as applicable.
- ☐ Provide the Emergency Coordinator with briefings on the status of security activities (i.e., Site Evacuation, accountability results, etc.).
- ☐ Provide assistance to local law enforcement agencies, as directed by the EOF Security Manager.
- ☐ Recommend to the Emergency Coordinator, when appropriate, the suspension of some or all safeguards. Ensure use of 50.54(x) is coordinated with the TSC Operations Manager.
- ☐ Coordinate off-site security assistance through the EOF Emergency Security Manager.
- ☐ Maintain a log of activities.

Completed by: _____ Date: _____

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|----------------|--|----------------------------|
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ATTACHMENT 17
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**TSC LICENSED OPERATOR
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.

Facility Operation

- ☐ Provide operational information and guidance to the TSC Technical Support personnel, and other personnel, as necessary, to effectively coordinate Technical Support activities with Operations and other emergency response personnel.

- ☐ Monitor the status of the unaffected unit and report any operational concerns to the TSC Lead Engineer and the TSC Operations Manager.

If the emergency event involves a fire, conduct the following activities:

- ☐ a. Monitor the fire brigade response and provide input to the Emergency Coordinator.
- ☐ b. Ensure that, as needed, off-site support is responding and provide information to the TSC Supervisor.
- ☐ c. Assist the fire brigade leader in acquiring additional equipment, as needed.
- ☐ d. Review the pre-fire plan of the effected areas and provide input to the Emergency Coordinator

Completed by: _____ Date: _____

| | | |
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ATTACHMENT 18
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**TSC PLANT DATA COMMUNICATOR
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.
- ☐ Establish an open line of communication with the control room.
- ☐ Obtain copies of the Emergency Coordinator Logbook and other applicable information (e.g., Equipment Out of Service Log, events occurring prior to facility activation, etc.) from the control room via fax, LAN, or other means.
- ☐ Provide the Equipment Out of Service information and other pertinent information to the TSC Maintenance Manager for transmittal to the OSC Manager.
- ☐ Update the Sequence of Events Board, including all events and activities that have occurred up to this point, using the guidelines found in Enclosure 3.

Facility Operation

- ☐ Maintain an open line of communication with the control room.
- ☐ Continue updating the Sequence of Events Board, using the guidelines found in Enclosure 3.
- ☐ Provide clarification of data and/or obtain additional data as requested by the TSC.

Completed by: _____ Date: _____

| | | |
|----------------|--|----------------------------|
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ATTACHMENT 19
(Page 1 of 2)

**TSC ENS COMMUNICATOR
CHECK-OFF SHEET**

NOTES

- *The following attachment steps may be performed out of sequence.*
- *Emergency notification to the NRCOC of a declared event is required within one hour, but after state/county notifications.*
- *Notifications should be made every hour unless updates are agreed to be less frequent, upon termination, or as conditions change (PARs, changes to classifications, significant changes to plant conditions, etc.).*
- *Alternate commercial telephone numbers for the State of Florida and NRC notifications are listed in the Emergency Response Directory (ERD).*
- *Collection of Release Rate data shall not delay State of Florida and NRC notifications. If the data is not available, notification shall be made and followed up as soon as the information is available.*
- *Data for completion of notification forms is obtained from ERDADS printouts and Health Physics/Chemistry Personnel.*
- *If a transitory event has occurred, notifications are still required using this procedure.*

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of the procedure
- ☐ Acquire copies of the NRC Event Notification Worksheet (form similar to Attachment 2) from the Document Control Files.
- ☐ Verify the operability of the TSC Operations fax machine.
- ☐ Receive turnover from the Control Room Shift Communicator.
- ☐ a. Time of last update
- ☐ b. Time requirement for next update
- ☐ c. Fax copies of previous NRC Event Notification Worksheets.

| | | |
|---|--|-----------------------------------|
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ATTACHMENT 19
(Page 2 of 2)

**TSC ENS COMMUNICATOR
CHECK-OFF SHEET**

Facility Operation

- ☐ Maintain an open line of communication and a transmission log, as necessary.
- ☐ Ensure notifications are initiated within one hour (immediately following State and County notification) of a classification /PAR change or other significant event.
- ☐ Request the TSC Technical Assistant to Emergency Coordinator to log notification times.
- ☐ Log all questions asked by the NRC.
- ☐ Obtain answers to questions from appropriate TSC staff member.
- ☐ Obtain EC approval prior to providing additional information to the NRC.

Completed by: _____ Date: _____

| | | |
|---|--|-----------------------------------|
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ATTACHMENT 20

(Page 1 of 1)

TSC STATE/COUNTY COMMUNICATOR CHECK-OFF SHEET

NOTE

- *The following attachment steps may be performed out of sequence.*
- *Emergency notification to the State Warning Point of a declared event is required within 15 minutes.*
- *Follow-up notifications should be made every hour unless updates are agreed to be less frequent, upon termination, or as conditions change (PARs, changes to classifications, significant changes to plant conditions, etc.)*
- *Alternate commercial telephone numbers for the State Warning Point are listed in the Emergency Response Directory (ERD).*

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.
- ☐ Acquire copies of the Florida Nuclear Plant Emergency Notification Form (form similar to Attachment 1) from the Document Control Files.
- ☐ Receive turnover from the Control Room Shift Communicator.
- ☐ a. Time of last update
- ☐ b. Time requirement for next update
- ☐ c. Fax copies of previous Florida Nuclear Plant Emergency Notification Forms

Facility Operation

- ☐ When notifications to the State Warning Point are required, complete a form similar to Attachment 1, as required.
- ☐ a. Verify data on form is accurate with appropriate TSC personnel.
- ☐ b. Obtain Emergency Coordinator approval by having him/her review and initial the form similar to Attachment 1.
- ☐ Establish communications with the State Warning Point, as required.
- ☐ a. Contact the State Warning Point using the telephone numbers on the telephone (also listed in the Immediate Notification Section of the ERD).

Completed by: _____ Date: _____

| | | |
|---|--|-----------------------------------|
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ATTACHMENT 21
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**TSC SITE CORPORATE COMMUNICATOR
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.
- ☐ Establish the TV monitoring system and verify audio and visual operability, using Enclosure 2.
- ☐ Through the TSC Maintenance Manager, inform the OSC Supervisor to set the OSC TV monitors to the appropriate channel for message reception (Channel 8).
- ☐ Through the EOF Administrative Supervisor, verify reception of the transmission at the EOF.

Facility Operation

- ☐ Focus the camera on the TSC sequence of events board.
- ☐ Periodically pan over to the OSC Team Tracking Board.
- ☐ Focus the camera on the Emergency Coordinator during TSC briefings.

Completed by: _____ Date: _____

| | | |
|---|--|-----------------------------------|
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ATTACHMENT 22
(Page 1 of 1)

**TSC EOF COMMUNICATOR
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of the procedure.
- ☐ Establish communication with the EOF TSC Communicator when the EOF is activated.
- ☐ Fax copies of the Emergency Coordinator Logbook, completed State and NRC Notification Forms and other applicable information to the EOF for their use upon EOF activation. Acquire State Warning Point and NRCOC notification forms and fax to the EOF.
- ☐ Ensure the EOF has received documentation necessary for facility activation.

Completed by: _____ Date: _____

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**ATTACHMENT 23
(Page 1 of 3)**

**TSC LEAD ENGINEER
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.
- ☐ Establish a listen only communications link with the Control Room via conference call with the TSC Operations Manager.
 - ☐ a. The TSC Operations Manager should initiate the three-way conference call.
 - ☐ b. After the conference call has been established:
 - ☐ (1) Press the Handsfree Mute button to initiate speakerphone.
 - ☐ (2) Press the Handsfree Mute button for Listen Only capability.
 - ☐ (3) Hang up the handset.
 - ☐ (4) Adjust volume.
- ☐ Assign a member of the Technical Support Group to establish communications with the EOF Engineering Staff when the EOF is activated.
- ☐ Upon arrival of the TSC Station Area Operations Supervisor, ensure that the System Control Center computer link is established and Off-site Electrical Transmission System Status is monitored and reported, as required.
- ☐ Upon arrival of the TSC Reactor Engineer, ensure the Core Damage Assessment computer is operational.
- ☐ Ensure the TSC Maintenance/Engineering Liaison establishes communications with the OSC Re-entry Coordinator.
- ☐ Designate a member of the TSC Technical Support Group to monitor CETs.
 - ☐ a. If CETs are greater than 1200° F and actions to cool the core are not successful, consult with the TSC Operations Manager and the EC on the need to implement SAMG's.
 - ☐ b. Upon implementation of SAMG's, assign an individual to update the SAMG status board.

| | | |
|---|--|---|
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**ATTACHMENT 23
(Page 2 of 3)**

**TSC LEAD ENGINEER
CHECK-OFF SHEET**

Facility Activation (Cont'd)

- ☐ Assign an individual to commence updating the Technical Staff Task Assignment Board.
- ☐ a. Occasionally update the EOF Engineering Staff via phone or Fax of Task Board Printout.
- ☐ Ensure Speed Memos are available to the Technical Staff.
- ☐ Inform the Emergency Coordinator that these activation steps have been completed.

Facility Operation

If there is an indication of actual or potential fuel damage:

- ☐ a. Ensure 0-EPIP-1302, PTN Core Damage Assessment, is being implemented by the TSC Reactor Engineer.
- ☐ b. Consider providing quick estimates by use of the graphs.
- ☐ c. Ensure that core damage assessment results are communicated to:
 - ☐ (1) Emergency Coordinator
 - ☐ (2) TSC Supervisor
 - ☐ (3) TSC Operations Manager
 - ☐ (4) TSC Chemistry Supervisor

☐ If off-normal high airborne particulates are present in the outside air due to grass fires, dust, etc., perform shift surveillance of the TSC Emergency Ventilation System Filters by reading the associated instrumentation in the TSC Air Conditioning Room, and record required data on Attachment 4.

- ☐ a. If any limits in Attachment 4 are exceeded, notify the TSC Supervisor and develop a corrective action plan.
- ☐ Ensure adequacy of Engineering and Technical Support communications.
- ☐ Ensure that the Technical Staff Task Assignment Board is kept current. (Tasks assigned to personnel in the Technical Support Group.)
- ☐ Review team requests originating from the Technical Staff and forward to the TSC Supervisor.

| | | |
|---|--|---|
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**ATTACHMENT 23
(Page 3 of 3)**

**TSC LEAD ENGINEER
CHECK-OFF SHEET**

Facility Operation (Cont'd)

- ☐ Review team requests returning to the Technical Staff and disseminate information requested.
- ☐ Ensure Off-site Electrical Distribution System status is monitored and reported, as required.
- ☐ When determining release paths, ensure accuracy of determination prior to terminating the release path search.
- ☐ Document any use of 50.54(x) in accordance with 0-ADM-207, OPERATIONS INSTRUCTIONS IN THE EVENT OF A SITUATION NOT ADDRESSED BY PROCEDURE, and ensure deviations are communicated to the Control Room through the TSC Operations Manager.
- ☐ Monitor Technical Staff operation and continued interaction.
- ☐ Communicate results of damage assessments to the Emergency Coordinator in a timely manner.
- ☐ Provide Technical Support Group expertise to the OSC through the TSC Maintenance Coordinator.
- ☐ Maintain a log of activities.

Completed by: _____ Date: _____

| | | |
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ATTACHMENT 24

(Page 1 of 1)

TSC TECH SUPPORT GROUP CHECK-OFF SHEET

NOTES

- *The following attachment steps may be performed out of sequence.*
- *The Technical Support Group consists of the TSC Lead Engineer, Mechanical Engineer, Electrical/I&C Engineer, Reactor Engineer, Engineering/Maintenance Liaison, Station Area Operations Supervisor, Licensed Operator Support.*

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.

Facility Operation

- ☐ Participate as a member of the Technical Support Group by providing technical support in your area of expertise.
- ☐ Evaluate system and equipment failures.
- ☐ Propose mitigative and corrective actions as promptly as possible.
- ☐ Provide recommendations to the Emergency Coordinator.
- ☐ Provide a communications path between the TSC Technical Support Group and the OSC Re-entry Coordinator.

Completed by: _____ Date: _____

| | | |
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ATTACHMENT 25

(Page 1 of 1)

**TSC ERDADS OPERATOR
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.

Verify the operability of ERDADS as follows:

☐ a. Check that the following displays are available:

☐ (1) Off-site Dose Radiological Data (R3/4)

☐ (2) Emergency Plan Data (ED3/4)

☐ (3) Environmental Trends (MC3/4 ENV)

☐ (4) Meteorological Parameter Verification (EP3/4 ENV)

☐ (5) PTN Status Units 3 & 4 (U3/4)

☐ b. Check the operability of the color plotter.

☐ c. Check the operability of the line printer.

Facility Operation

☐ Provide ERDADS printouts to TSC personnel, as requested.

☐ Provide ERDADS Emergency Plan Data (ED3) printouts to TSC Document Control personnel for distribution in a timely manner.

Completed by: _____ Date: _____

| | | |
|---|--|-----------------------------------|
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ATTACHMENT 26
(Page 1 of 1)

**TSC DOCUMENT CONTROL PERSONNEL
CHECK-OFF SHEET**

NOTE

The following attachment steps may be performed out of sequence.

Facility Activation

- ☐ Conduct facility activation as detailed in Subsection 5.1 of this procedure.

Facility Operation

- ☐ Provide assistance to TSC personnel in obtaining controlled procedures, drawings, and documents.

- ☐ Provide assistance to TSC personnel in making copies, routing Speed Memos, forms and information, etc., as required.

Distribute ERDADS printouts of plant parameters and data obtained from the TSC ERDADS Operator in a timely manner to the following:

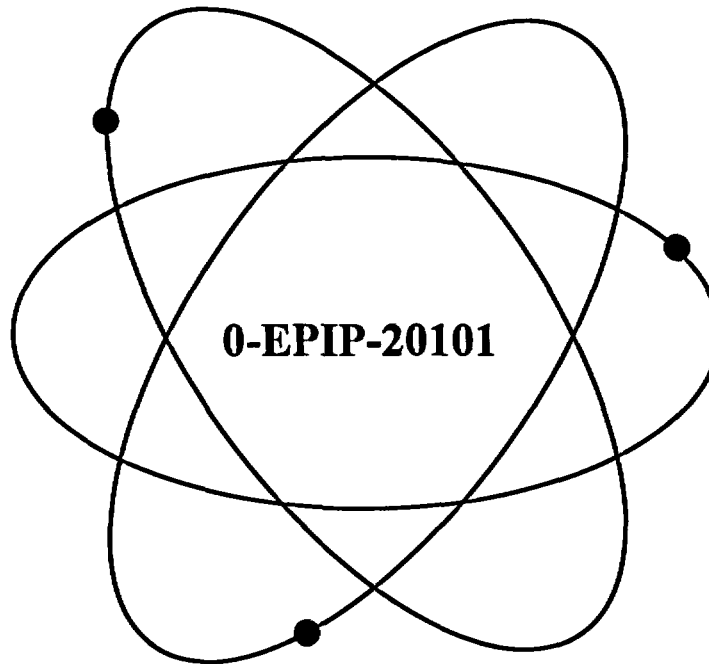
- ☐ a. Emergency Coordinator
- ☐ b. TSC Plant Data Status Board Keeper
- ☐ c. TSC Technical Support Group
- ☐ d. OSC (via fax)

Completed by: _____ Date: _____

FINAL PAGE

Florida Power & Light Company

Turkey Point Nuclear Plant



Title:

Duties of Emergency Coordinator

Safety Related Procedure

| | |
|--------------------------------|------------------------|
| <i>Responsible Department:</i> | Emergency Preparedness |
| <i>Revision Approval Date:</i> | 1/8/03C |

*RTSs 96-0928P, 97-1403P, 98-0483, 98-0699, 00-0248P, 01-0212P,
02-0354P, 02-0532
PC/M 92-004*

| | | |
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| 22 | 05/31/00 | 52 | 05/31/00 | | |
| 23 | 04/12/01 | 53 | 05/31/00 | | |
| 24 | 05/31/00 | 54 | 04/12/01 | | |
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1.0 PURPOSE

- 1.1 This procedure provides the guidelines to be followed by the Emergency Coordinator when an emergency occurs that requires initiation of the Turkey Point Radiological Emergency Plan.
- 1.2 This procedure provides guidance for actions that the Emergency Coordinator will take in a plant emergency.
- 1.3 For planned evolutions, such as safeguards, this procedure does not apply. However, if a deviation from the planned evolution (i.e., any unplanned evolution) occurs, this procedure should be consulted.

2.0 REFERENCES/RECORDS REQUIRED/COMMITMENT DOCUMENTS

2.1 References

2.1.1 Plant Procedures

1. 0-ADM-028, On the Job Injuries
2. 0-ADM-034, Oil and Hazardous Material Emergency Response Plan and Spill Prevention, Control and Countermeasure (SPCC) Plan
3. 0-ADM-115, Notification of Plant Events
4. 0-ADM-408, Safeguards Contingency Plan Implementing Procedure
5. 0-EPIP-20104, Emergency Response Organization Notifications/ Staff Augmentation
6. 0-EPIP-20106, Natural Emergencies
7. 0-EPIP-20110, Criteria for and Conduct of Owner Controlled Area Evacuation
8. 0-EPIP-20111, Re-entry
9. 0-EPIP-20126, Off-site Dose Calculations
10. 0-ONOP-016.10, Pre-Fire Plan Guidelines and Safety Shutdown Manual Actions
11. 3/4-ONOP-094, Alternate Methods for Containment Post Accident Monitoring
12. 3-NCZP-094.1, Obtaining a Unit 3 PASS Sample during Emergency Conditions
13. 4-NCZP-094.1, Obtaining a Unit 4 PASS Sample during Emergency Conditions
14. 3-NCZP-051.1, Obtaining a Containment Air Sample during Emergency Conditions
15. 4-NCZP-051.1, Obtaining a Containment Air Sample during Emergency Conditions

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2.1.2 Regulatory Guidelines

1. 10 CFR 50.47, Emergency Plans
2. 10 CFR 50, Appendix E, Emergency Planning and Preparedness for Production and Utilization Facilities
3. NUREG-0654, FEMA-REP-1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants
4. NUREG/BR-0150, Volume 1, Rev 4, Response Technical Manual, RTM-96

2.1.3 Miscellaneous Documents (i.e., PC/M, Correspondence)

1. Turkey Point Plant Radiological Emergency Plan
2. Turkey Point Plant Emergency Response Directory (ERD)
3. PC/M 92-004, Upgrading Plant Page Audibility
4. Condition Report 96-880, Radiological Releases, Emergency Classification Table, Item 7
5. Condition Report 96-881, Definition of Power Block
6. PTN-ENG-SENS-97-088, Pre-Planned Alternative Monitoring for the Containment High Range Radiation Monitors
7. Security Force Instruction 6307, Emergency Evacuation and Accountability
8. Calculation No. PTN-9FJF-01-027, Determination of Letdown Radiation Monitor (R-20) Dose Rate Limit Corresponding to 300 μ ci/gm of DEQ I-131
9. NRC Interim Compensatory Measures (ICM) Order, Reference Section 5.d dated February 25, 2002

2.2 Records Required

2.2.1 Completed originals of the below listed item(s) constitute Quality Assurance records and shall be transmitted to QA Records for retention in accordance with Quality Assurance Records Program requirements:

1. Subsections of this procedure required to be completed during the performance of this procedure:
 - a. Forms similar to Attachment 1
 - b. Forms similar to Attachment 2
 - c. Forms similar to Attachment 3, Page 1
 - d. The Emergency Log Book

2.2.2 Copies of the records of Steps 2.2.1 shall be transmitted to the Emergency Preparedness Coordinator. Originals shall be submitted as QA Records to be retained in accordance with Quality Assurance Program requirements.

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3.0 RESPONSIBILITIES

3.1 Emergency Coordinator

- 3.1.1 The Nuclear Plant Supervisor (NPS) assumes the responsibilities of the Emergency Coordinator in the initial phases of a plant emergency. If the Nuclear Plant Supervisor (NPS) is incapacitated, the Emergency Coordinator shall be (in order of succession in the Control Room staff).
1. Assistant Nuclear Plant Supervisor
 2. Nuclear Watch Engineer
 3. Any other member of the plant staff with an active Senior Reactor Operator License
- 3.1.2 A member of the Plant Management Staff may later assume Emergency Coordinator (EC) duties when he or she reaches the Control Room or TSC and becomes familiar with the emergency. The NPS will, at that time, return to the normal responsibility of control of the units. Turnover between ECs should be performed in the Control Room, if possible, with the new EC taking the Emergency Log Book to continue records of the event.
- 3.1.3 The Emergency Coordinator shall only grant permission for watch relief, including his own, when a proper turnover has been given and in his judgment, it is safe to do so.
- 3.1.4 The Emergency Coordinator shall authorize any radiation exposures in excess of regulatory limits. This authorization should be in accordance with 0-EPIP-20111, Re-entry. Authorization should be given only after consultation with the TSC Health Physics Supervisor and the Recovery Manager, if time permits. For those remote circumstances involving an event in progress, and obtaining EC approval will result in leaving the scene or decrease the victims chance of survival, life saving actions may be performed without obtaining EC approval. The EC shall be notified immediately following the rescue operation.
- 3.1.5 The Emergency Coordinator shall authorize personnel exposures in excess of regulatory limits only for volunteers who are familiar with the risks involved and the tasks to be performed. Declared pregnant adults should not be used as on-site emergency workers.
- 3.1.6 The Emergency Coordinator is responsible for implementing SAMGs, as necessary.

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4.0 DEFINITIONS

- 4.1 Emergency - any off-normal event or condition which is classified into one of the four event categories in Enclosure 1 of this procedure.
- 4.2 Emergency Notification System (ENS) - the circuit tying the NRC and Turkey point.
- 4.3 Emergency Response Directory (ERD) - the directory containing names and phone numbers of Emergency Response Organization personnel.
- 4.4 ESATCOM - Satellite based backup communications system for notifications to the State Warning Point.
- 4.5 Florida Nuclear Plant Emergency Notification Form - the form used to initiate, update, and terminate emergency notifications to State and Local Counties.
- 4.6 Hot Ring Down Telephone (HRD) - the dedicated link between State/Counties and Turkey Point.
- 4.7 Local Government Radio (LGR) - the communications network used as a backup to the HRD.
- 4.8 Off-site Power - power supplied from the grid through the Startup or Auxiliary Transformers (backfeed), or power supplied by the Auxiliary Transformer during normal operation.
- 4.9 On site - within the Protected Area.
- 4.10 On-site Power - power supplied by any of the four emergency diesel generators.
- 4.11 Owner Controlled Area - that portion of the FPL property surrounding and including the Turkey Point Plant, which is subject to limited access and control as deemed appropriate by FPL.
- 4.12 Power Block - structures comprising all permanent nuclear, power generation, and cooling structures, systems, and components within the Protected Area and permanent safety related or quality related utilities (e.g., air, water and electric) both inside and outside the Protected Area. The Power Block does not include the switchyard (Reference CR-96-881).
- 4.13 Release - during any declared emergency, any effluent monitor increase of approximately ten times/one decade above pre-transient values, or Health Physics detected airborne radioactivity levels in excess of 25 percent DAC outside of plant buildings due to a failure of equipment directly associated with the declared plant emergency.

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4.14 Site Boundary - land areas within a 1 mile radius of the affected unit.

4.15 Unrestricted Area - as defined in the Technical Specifications.

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5.0 PROCEDURE

5.1 General

- 5.1.1 The Emergency Coordinator (EC) can delegate his responsibilities to his subordinates with the exception of classification, the decision to notify Federal, State and Local authorities and the issuing of Protective Action Recommendations (PARs). The actual notification can be done by the EC's designee. Notification of off-site agencies and PARs become the responsibility of the Recovery Manager (RM) when the EOF is manned and operational. The EC documents his decision to notify State and Local authorities and his concurrence with PARs by initialing a form similar to Attachment 1.
- 5.1.2 Procedural notification steps may be performed out of sequence in order to meet State of Florida and/or NRC notification time requirements.
- 5.1.3 During exercises, drills or tests, ALL MESSAGES shall begin and end with **THIS IS A DRILL**.
- 5.1.4 In any case where a **General Emergency** has been declared, the minimum protective action recommendation shall be: **Shelter all people within a 2 mile radius from the plant and 5 miles in the down wind sectors.**
- 5.1.5 The Emergency Coordinator responsibilities shall reside with the EC in the Control Room until they have been formally transferred to the EC in the TSC.
- 5.1.6 Emergency notification to State and Local Counties is required within 15 minutes of declaring an emergency.
- 5.1.7 Emergency notification to the NRC is required immediately following notification of State and Counties, but not later than 1 hour from the declaration of an emergency.
- 5.1.8 If, during the notification process, it becomes necessary to upgrade the emergency classification,
 - 1. Ensure that the State Warning Point has been notified of the Emergency Declaration within 15 minutes of making the initial classification,
 - 2. Stop the current notification process, and
 - 3. Proceed to the steps corresponding to the new emergency classification, including notification of the new classification to the State Warning Point.

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5.1.9 Plant Page Announcements

1. PA Messages to site personnel do not have to be made verbatim; they are example messages only.

NOTE

The security event may not allow ERO members to respond to their designated facilities (i.e., TSC and OSC) based on the type of event. Consider, when making the page announcement, to send the on-site ERO to an alternate location such as:

- A) Emergency Operation Facility (EOF) General Office – 9250 W. Flagler, Miami.
- B) Security Training Complex/Daycare/PTN School/PTN Fitness Center.
- C) PT Offsite Assembly Area – Florida City Substation on Palm Drive.
- D) PTN Alternate Offsite Assembly Area – Alternate Evacuation Route.

2. Announcements may not be made or may be modified as directed by the Emergency Coordinator, or his designee, if it is determined that such announcements may cause intruders to panic or make them aware of plant/security personnel responses in regard to security related events.
3. Important plant page announcements, such as changes in classification or plant status, should be made firmly, clearly, and distinctly so that the message can be heard throughout the plant.
4. The Page Volume Boost feature should be used when making Emergency Announcements from the Control Room. By pressing and holding the pushbutton on the console in the ANPS Workstation, or on the RCO's desk, the Page System speakers will broadcast at maximum volume, and the blue, high intensity strobe lights will be activated. Release the pushbutton when the announcement is complete.

- 5.1.10 Plant conditions, plume dose projection calculations, (from 0-EPIP-20126, Off-site Dose Calculations), and off-site monitoring results should be evaluated when making Protective Action Recommendations. If significant discrepancies exist between field monitoring results and plume dose projection calculations, an evaluation should be made, and the most conservative approach used in the determination of Protective Action Recommendations.

- 5.1.11 If a condition, which meets the Unusual Event or Alert criteria of Enclosure 1 is identified and subsequently rapidly resolved, the emergency classification shall be declared and immediately terminated. All required notifications shall be completed. Activation of the On-site Emergency Response Facilities is not required.

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- 5.1.12 If a condition which meets the Site Area Emergency or General Emergency criteria of Enclosure 1 is identified and subsequently rapidly resolved, the emergency shall be declared and all notifications completed. De-escalation from the Site Area Emergency and General Emergency classifications may only be authorized by the Recovery Manager.
- 5.1.13 Protective Action Recommendations based upon off-site dose calculations shall be determined by comparing projected off-site doses to the action levels in Attachment 3. If the period of exposure is expected to be less than 2 hours the doses should be projected for the expected duration of the exposure. For longer duration exposures, the off-site doses should be projected for 2 hours and PARs should be based upon the 2 hour projections.
- 5.1.14 The Emergency Coordinator has the authority to waive individual's emergency response training requirements, as needed.
- 5.1.15 Alternate commercial telephone numbers for State of Florida and NRC notification are listed in the Emergency Response Directory (ERD).
- 5.1.16 Collection of Release Rate Data shall not delay State of Florida and NRC notifications. If the data is not available, notification shall be made and followed up as soon as the information is available.

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5.1.17 Evacuations and Emergency Response Facility (ERF) Activation

NOTE

Once the decision is made to augment the ERO, ensure that all the details regarding the event and any special instructions for the ERO are relayed to the Duty Call Supervisor so that he/she may develop a special message in the Autodialer System (i.e., where the ERO is to respond, the route to use when responding to the designated emergency response facilities).

1. The Emergency Coordinator shall consider plant and radiological conditions as they relate to the emergency prior to ordering an evacuation or activation of the ERF. As conditions warrant, the Emergency Coordinator may delay, postpone or make special requirements on the evacuation and/or ERF activation. Some examples of special circumstances and considerations are, as follows:
 - a. Radiological Conditions
 - (1) Radiological conditions (puff releases) when large doses may be received consider:
 - (a) Duration of the release
 - (b) Plant conditions
 - (c) Meteorological conditions
 - (d) Evacuation route availability
 - (e) Sheltering
 - (f) Routes to emergency facilities
 - (g) Other information pertinent to the release
 - b. Security Event
 - (1) Site security and Local Law Enforcement Agencies (LLEA) will take the lead in response to a security event in accordance with the Security Plan.
 - (2) Security events when unknown hazards or dangers (i.e., armed intruders, bomb threats, etc.) are perceived, consider:
 - (a) Location of intruders
 - (b) Bomb threat location
 - (c) Other information pertinent to the security threat.

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c. Miscellaneous

- (1) Plant conditions where additional personnel are necessary to put the plant in a safer configuration (i.e., equipment hatch open, primary system open for repair, etc.).
- (2) On-site hazards, such as toxic gas, fires, or explosions where the movement of personnel would be placing them in additional risk.
- (3) Risks to plant personnel due to the inability to use the evacuation route (construction, traffic accidents, etc.).
- (4) Other similar events.

5.1.18 During an Emergency of Alert or higher, the Emergency Coordinator should confer with the TSC Security Supervisor concerning the impact of the emergency on Plant Security. During a Site Area Emergency or higher, and dependent on the degree of airborne release, the TSC Security Supervisor may recommend a complete or partial suspension of safeguards which may include, but is not limited to, any of the following:

NOTE

Vital area doors unlocked by the computer will relock automatically after they are closed.

1. Unlocking vital area doors through the security computer.
 2. Suspension of designated security patrols or activities.
 3. Maintenance of Protected Area Access Control only (suspension of all field patrols).
 4. A partial evacuation of on-duty Security personnel.
 5. Closing one or both Alarm/Communications Stations (CAS/SAS).
 6. Complete suspension of Site Security Safeguards.
- 5.1.19 Classifying Simultaneous Emergencies: Emergency classifications based on simultaneously occurring events affecting each unit independently (e.g., LOCA on Unit 3 and Tube Rupture on Unit 4) shall be made based on the most severe event, and reported as the classification for the site. With multiple events occurring, only one emergency classification shall be made.

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5.1.20 One of the primary reasons for the declaration and notification process is to prompt Local, State, and Federal Government Agencies to initiate actions to assure the health and safety of the public. The Government Agency response is based on an event affecting either unit at a multiple unit site, such as PTN. Therefore, the Government Agency's actions will address the most severe classification issued by the site, and having multiple classifications would only confuse the response. Examples regarding this issue are provided below.

1. If Unit 3 is in a classified event (an Alert, for example), and another event of the same or lesser classification (e.g., an Unusual Event or Alert) occurs on Unit 3 or Unit 4, then a new event classification should not be made, and the event notification should be issued as an update, at the earliest practical time.
2. If Unit 3 is in a classified event (an Alert, for example), and another event of higher classification (Site Area or General Emergency) occurs on either Unit 3 or Unit 4, then the new classification should be promptly issued to the State and NRC within the regulatory time requirements.
3. The Florida Nuclear Plant Emergency Notification Form (a form similar to Attachment 1) should indicate the unit for which the event is declared. If the event is common to both units, Unit 3 should be marked as the affected unit.

5.1.21 For Emergency Classification purposes, a representative containment radiation reading can be obtained from the pre-planned alternate method of containment radiation monitoring, if both CHRRMs are inoperable. Refer to 3/4-ONOP-094, Alternate Methods for Containment Post Accident Monitoring, for implementation and use of the pre-planned alternate method of containment radiation monitoring.

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5.2 Classifying Events

5.2.1 Fire/Explosion Emergency? Yes/No

Time

1. **IF NO, THEN** proceed to Step 5.2.2.

2. Fire/Explosion reported.

Location _____

Class (if known) A / B / C / D (see Note below)

Injured personnel should be handled in accordance with 0-ADM-028, On the Job Injuries.

Extent of damage to plant components _____

NOTE

Fire Classes:

A - wood, paper, cloth, rubber

B - combustible liquids, gases, greases

C - electrical related (involving energized equipment)

D - combustible metals

3. Make the following announcement using the Page Volume Boost:

"Attention all personnel. There is a reported Class (if known) _____
Fire/Explosion in Unit (3 or 4) _____ (location). _____ All
personnel in the Fire/Explosion location withdraw to a safe area. All Fire
Brigade members report to (location of fire/explosion) _____."

4. Sound Fire Alarm.

5. Follow alarm with page announcement using the Page Volume Boost:

"Attention all personnel. There is a reported Class (if known) _____
Fire/Explosion in Unit (3 or 4) _____ (location) _____. All
personnel in the Fire/Explosion location withdraw to a safe area. All Fire
Brigade members report to (location of fire/explosion) _____."

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Time

5.2.1 (Cont'd)

CAUTIONS

- *Alarming dosimetry is available for Fire Brigade members to monitor direct radiological exposure. The air sampler located in the Fire Locker in the Auxilliary Building hallway is also available to assess airborne activity.*
- *It may be necessary to relieve the Health Physics Fire Team members with other qualified Fire Brigade members in order to ensure additional Health Physics support.*

6. Reference 0-ONOP-016.10, Pre-Fire Plans Guidelines and Safe Shutdown Manual Actions, as time permits and as necessary to aid Fire Brigade with area characteristics and aid Operations with safe shutdown actions.
7. **IF** applicable, **THEN** verify accountability with Security.
8. **IF** personnel are unaccounted for, **THEN** direct Fire Brigade Leader to search for missing personnel.

CAUTION

Due to minimal Contract Medical Response Staff of one (1) individual on back shifts and weekends, manpower requirements should be monitored by the Control Room.

9. Verify Contract Medical personnel dispatched to the vicinity of the fire scene.

NOTE

Emergency phone numbers are listed in the Emergency Response Directory.

10. Contact additional fire support, if needed.
11. **IF** off-site assistance has been requested, **THEN** inform Security of their pending arrival.
12. **IF** injuries occur or have occurred, **THEN** perform Attachment 1 of 0-ADM-028, On the Job Injuries, otherwise proceed to Step 5.2.3.

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Time

5.2.2 Have injuries occurred which require medical assistance? Yes/No

1. **IF NO, THEN** proceed to Step 5.2.3.

2. **IF YES, THEN** refer to Attachment 1, Control Room Response to an Injury Requiring Medical Assistance, of 0-ADM-028, On the Job Injuries.

5.2.3 Mitigating Actions and Classification of Off-Normal Event

1. Direct initial investigative and mitigating actions to correct Off-Normal Event.

a. **IF** the event involves a release of oil or hazardous material to the environment, **THEN** perform the following:

(1) Activate the Fire Brigade to perform initial response **AND** to determine if additional support is needed at the scene.

(2) Notify the on-shift Chemistry Technician.

(3) Notify Mechanical Maintenance to provide support for containment and cleanup.

(4) Notify the Environmental Compliance or Hazardous Materials Coordinator for response, and reportability determination. (Refer to the ERD for names and phone numbers).

(5) Refer to 0-ADM-034, Oil and Hazardous Materials Emergency Response Plan and Spill Prevention, Control and Countermeasure (SPCC) Plan.

2. **IF** a release (see Definitions) is in progress, **THEN** direct Chemistry personnel to implement 0-EPIP-20126, OFF-SITE DOSE CALCULATIONS.

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5.2.3 (Cont'd)

NOTES

- *For planned evolutions, such as Safeguards Testing, this procedure does not apply with regard to the actuation of Safeguards equipment. However, if a deviation from the planned evolution occurs, this procedure should be consulted for event classification.*
- *If simultaneous emergencies occur at the site, the Emergency Classification shall be made based on the most severe condition at the site.*
- *If conditions meeting the Emergency Classification criteria are known to have existed, but have been terminated, proceed with required classification and notification activities. An Unusual Event or Alert may be terminated by the Emergency Coordinator. A Site Area Emergency or General Emergency may only be de-escalated by the Recovery Manager. Activation of the On-site Emergency Response Facilities is not required for events that have been terminated by the responsible ERO personnel.*
- *If the event does not qualify as an Emergency, using Enclosure 1 proceed to 0-ADM-115, NOTIFICATION OF PLANT EVENTS, for further classification of event.*

3. Classify Off-Normal Event using present available information, AND declare most conservative emergency class using Enclosure 1, THEN proceed to Step Number and Page listed on the bottom of Enclosure 1.

Completed by: _____ Date: _____

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5.3 Unusual Event

Time

NOTE

Prescribed Emergency Announcements may be omitted or modified as directed by the Emergency Coordinator, or his designee, to prevent alarming intruders, if security events warrant.

5.3.1 **IF** an Unusual Event has been declared, **THEN** complete the following steps:

NOTE

Notification Steps may be performed out of sequence in order to meet State of Florida and/or NRC notification time requirements.

1. Document the sequence of events using the Emergency Log Book.
2. Inform or have Control Room personnel inform site personnel of the emergency via the Plant Page System, **AND** make one of the following announcements twice using the Page Volume Boost. [Either (a) or (b)]
 - a. **IF** entering into an Unusual Event, **THEN** make the following announcement:
 - b. **IF** downgrading to an Unusual Event, **THEN** make the following announcement:

"Attention all personnel, attention all personnel: An Unusual Event has been declared on Unit #_____ due to (provide a brief description of initiating event). All Emergency Response Organization members remain on standby. All other personnel continue with present duties unless further instruction is given."

"Attention all personnel, attention all personnel: the Emergency has been downgraded to an Unusual Event."

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5.3.1 (Cont'd)

3. **IF** there is a localized emergency (fire, high radiation, toxic gas), **THEN** perform the following:
- a. Determine assembly area for personnel evacuated from the affected area.
 - b. Announce type and location, instruct personnel to stand clear, and report to the assembly area.
 - c. Sound applicable alarm, if not previously done.
 - d. Announce type and location, instruct personnel to stand clear and report to the assembly area.
 - e. Initiate Search and Rescue as required.

NOTE

If Plant Events (radiological or security threat considerations) warrant, alternate facilities and/or routes to these facilities may be necessary. Refer to Subsection 5.1, General.

4. Direct the Shift Technical Advisor (STA) to implement 0-EPIP-20104, Emergency Response Organization Notifications/Staff Augmentation.
- a. **IF** significant public interest is expected or significant technical support is required, **THEN** perform the following:
 - (1) Identify those positions requiring activation and the desired reporting location.
 - (2) Direct the STA to initiate a partial activation of the Emergency Response Organization, using the identified positions.

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TIME

5.3.1 (Cont'd)

CAUTIONS

- *Notification to the State Warning Point is required within 15 minutes of Emergency Classification.*
- *Notification to the NRCOC is required to immediately follow the State Notification and no later than one hour.*
- *Collection of Release Rate Data shall not delay State of Florida or NRC Notification.*
- *If a transitory event has occurred, notifications are still required using this procedure.*

NOTE

If during the notification process, it becomes necessary to upgrade the emergency classification:

- ensure that the State Warning Point has been notified of the Emergency Declaration within 15 minutes of making the initial classification,*
- stop the current notification process, and*
- proceed to the steps corresponding to the new emergency classification, including notification of the new classification to the State Warning Point.*

5. **IF** Off-site (State and County) notification responsibilities are with the Emergency Coordinator on site, **THEN** complete the following steps:

- a. Complete a form similar to Attachment 1.
- b. Obtain the Emergency Coordinator's initials on the notification form prior to transmitting the information.

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Time

5.3.1.5 (Cont'd)

NOTES

- *State Warning Point may request verification call back. If requested, they will call in on the black bell phone (ringmaster) or cellular phone in the Control Room.*
- *If either of the counties (Miami-Dade County, Monroe County) are not on line during the notification with the State Warning Point (SWP), follow up with the SWP to ensure contact is made or directly contact the counties to convey the message form information. (10 CFR 50 Appendix E, requires licensees to notify the State and Local Government)*

- c. Notify the State Warning Point in Tallahassee **AND** relay information from a form similar to Attachment 1 within 15 minutes of classifying the Unusual event via one of the following:
 - (1) Hot Ring Down Telephone
 - (2) Commercial Telephone (refer to ERD)
 - (3) Cellular Phone (refer to ERD)
 - (4) ESATCOM
 - (5) Local Government Radio
- d. Complete a form similar to Attachment 2.
- e. Contact the NRCOC and relay the information from a form similar to Attachment 2 immediately after the notification of the Unusual Event to State and Counties via one of the following:
 - (1) ENS
 - (2) Commercial Telephone (refer to ERD)
 - (3) Cellular Telephone (refer to ERD)
6. **IF** continued direction of the Emergency Response Activities adversely affects Control Room Activities, **THEN** consider turnover of EC duties to a designated member of the Plant Management Staff.
7. **IF** EC duties have been assumed by a designated member of the Plant Management Staff in the TSC, **THEN** contact affected NRC, State and Local Authorities to establish communication links and determine off-site support requirements.

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| <u>Time</u> | <u>5.3.1 (Cont'd)</u> |
| _____ | 8. Reassess plant conditions using Enclosure 1 periodically. |
| _____ | 9. <u>IF</u> upgrading Emergency Class, <u>THEN</u> proceed to the applicable section of this procedure, using Enclosure 1. |
| _____ | 10. <u>IF</u> notification responsibilities are with the Emergency Coordinator On-site, <u>THEN</u> provide notifications to the State and Counties every hour, unless less frequent updates are agreed to, upon termination, or as conditions change. |
| _____ | a. Complete a form similar to Attachment 1. |
| _____ | b. Obtain the Emergency Coordinator's initials on the notification form prior to transmitting the information. |
| _____ | c. Notify the following of the new information: |
| _____ | (1) State Warning Point |
| _____ | (2) Duty Call Supervisor |
| _____ | d. Complete a form similar to Attachment 2. |
| _____ | e. Notify the NRCOC of the new information via one of the following: |
| _____ | (1) ENS |
| _____ | (2) Commercial telephone (refer to ERD) |
| _____ | 11. Determine if the emergency can be terminated using Enclosure 3, DeEscalation Guidelines. |
| _____ | 12. <u>IF</u> terminating the event, <u>THEN</u> perform the following: |
| | a. Notify the Units 1 and 2 Watch Engineer that the event has been terminated. |
| | b. Have the Control Room make the following announcement via the plant page system, using page boost, to notify plant personnel: |
| | "Attention all personnel, attention all personnel. The emergency situation has been terminated." |
| Completed by: _____ Date: _____ | |
| W97:JR/d/ev/ev | |

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5.4 Alert

Time

NOTE

Prescribed Emergency Announcements may be omitted or modified, as directed by the Emergency Coordinator, or his designee, to prevent alarming intruders if Security Events warrant.

5.4.1 **IF** an Alert has been declared, **THEN** perform the following steps:

NOTE

Notification steps may be performed out of sequence in order to meet State of Florida and/or NRC Notification time requirements.

1. Document the sequence of events using the Emergency Log Book.

CAUTION

The Emergency Coordinator shall use good judgment prior to releasing contractors from the site and clearing those owner controlled areas outside the Protected Area. Such conditions as security events, release status, release duration, plant conditions, and meteorological conditions should be evaluated prior to moving personnel.

2. Determine the need to dismiss non-essential contract personnel from the site **AND** clear those areas outside the Protected Area.
3. **IF** a precautionary clearing of personnel outside of the Protected Area is required, **THEN** perform the following:
 - a. Inform Security to clear personnel from the following areas and implement applicable sections of Security Force Instruction (SFI) 6307:
 - (1) Girl Scout Camp
 - (2) Red Barn Area
 - (3) Beach/Boat Ramp Area
 - (4) Wellness Center

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5.4.1.3.a (Cont'd)

- (5) Switchyard
- (6) Barge Canal
- (7) US Naval Special Warfare Group Training School
- (8) Trailer Areas and other work areas
- (9) Land Utilization

b. Contact the Watch Engineer of Units 1 and 2 AND inform them of the precautionary clearing of personnel.

4. Inform or have Control Room personnel inform site personnel of the emergency via the Plant Page System using the Page Volume Boost. [Either (a) or (b)]

a. IF entering into an Alert, THEN perform the following:

(1) Make the following announcement:

"Attention all personnel, attention all personnel: An Alert has been declared on Unit #_____ due to (provide a brief description of initiating event). All Emergency Response Organization members report to your designated Emergency response Facility. All other personnel report to your normal work location."

[The following announcement is Optional, per Substep 5.4.1.2]

"All non-essential contract personnel are dismissed for the day.

- (2) Sound the Emergency Plan Activation Alarm.
- (3) Repeat the announcement.

CAUTION

RM approval is required prior to downgrading from a Site Area Emergency or General Emergency.

b. IF Downgrading to an Alert, THEN make the following announcement twice:

"Attention all personnel, attention all personnel. The Emergency has been downgraded to an Alert."

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Time

5.4.1 (Cont'd)

5. **IF** there is a localized emergency (fire, high radiation, toxic gas), **THEN** perform the following:
- a. Determine an assembly area for personnel evacuate from the affected area.
 - b. Announce type and location, instruct personnel to stand clear, and to report to the assembly area.
 - c. Sound applicable alarm, if not previously done.
 - d. Announce type and location, instruct personnel to stand clear, and to report to the assembly area.
 - e. Initiate Search and Rescue, as required.

CAUTION

If a significant release (process monitors off scale, or other indications) and/or security related events are in progress (intruders, bomb threat, etc.) inform emergency responders and site evacuees of the best access and egress routes to take on site to minimize hazards. During off hours, dispatch Security to route Incoming Emergency Responders away from the hazardous routes.

NOTE

If Plant Events (radiological or security threat considerations) warrant, alternate facilities and/or routes to these facilities may be necessary. Refer to Subsection 5.1, General.

6. Direct the STA to initiate Activation of On-site Emergency Response Facilities (ERFs) per 0-EPIP-20104, Emergency Response Organization Notifications/Staff Augmentation.

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Time

5.4.1 (Cont'd)

CAUTIONS

- *Notification to the State Warning Point is required within 15 minutes of emergency classification.*
- *Notification to the NRCOC is required to immediately follow the State Notification and no later than one hour.*
- *Collection of Release Rate Data shall not delay State of Florida or NRC notification.*
- *If a transitory event has occurred, notifications are still required using this procedure.*

NOTE

If during the notification process, it becomes necessary to upgrade the emergency classification:

- ___ ensure that the State Warning Point has been notified of the Emergency Declaration within 15 minutes of making the initial classification,*
- ___ stop the current notification process, and*
- ___ proceed to the steps corresponding to the new emergency classification, including notification of the new classification to the State Warning Point.*

7. **IF** off-site (State and County) notification responsibilities are with the Emergency Coordinator on site, **THEN** complete the following steps:

- a. Complete a form similar to Attachment 1.
- b. Obtain the Emergency Coordinator's initials on the notification form prior to transmitting the information.

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Time

5.4.1.7 (Cont'd)

NOTES

- State Warning Point may request verification call back. If requested, they will call in on the black bell phone (ringmaster) or cellular phone in the Control Room.
- If either of the counties (Miami-Dade County, Monroe County) are not on line during the notification with the State Warning Point (SWP), follow up with the SWP to ensure contact is made or directly contact the counties to convey the message form information. (10 CFR 50 Appendix E, requires licensees to notify the State and Local Government)

c. Notify the State Warning Point in Tallahassee AND relay information from a form similar to Attachment 1 within 15 minutes of classifying the Alert via one of the following:

- (1) Hot Ring Down Telephone
- (2) Commercial Telephone (refer to ERD)
- (3) Cellular Telephone (refer to ERD)
- (4) ESATCOM
- (5) Local Government Radio

d. Complete a form similar to Attachment 2.

e. Contact the NRCOC and relay the information from a form similar to Attachment 2 immediately after the notification of the Alert to State and Counties via one of the following:

- (1) ENS
- (2) Commercial Telephone (refer to ERD)
- (3) Cellular Telephone (refer to ERD)

NOTE

Guidance for transferring of responsibilities can be found in Enclosure 2.

8. **IF** Emergency Response Facilities (TSC/OSC) are activated, **THEN** consider Emergency Coordinator Transfer to TSC.
9. **IF** the EOF is operational, then relinquish communication responsibilities of off-site agencies to Recovery Manager at EOF after a proper turnover/briefing.

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Time

5.4.1 (Cont'd)

10. Reassess plant conditions using Enclosure 1 periodically.

CAUTION

If the EOF is operational and the emergency has been upgraded, it is imperative that the Recovery Manager be notified concurrently with the declaration. This will ensure that the fifteen minute notification time limit is met.

11. **IF** upgrading emergency classification level, **THEN** proceed to applicable section of this procedure using Enclosure 1 **AND IF** the EOF is operational, **THEN** promptly notify the Recovery Manager.

12. **IF** notification responsibilities are with the Emergency Coordinator On site, **THEN** provide notification to the State and Counties every hour, unless less frequent updates have been agreed to, upon termination, or as conditions change.

a. Complete a form similar to Attachment 1.

b. Obtain the Emergency Coordinator's initials on the form prior to transmitting the information.

c. Notify the following of the updated information:

(1) State Warning Point

(2) Duty Call Supervisor

d. Complete a form similar to Attachment 2.

e. Notify the NRCOC with the updated information.

(1) ENS

(2) Commercial Telephone (refer to ERD)

13. Determine if the emergency can be de-escalated or terminated, using Enclosure 3.

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Time

5.4.1 (Cont'd)

14. IF de-escalating or terminating the event, THEN perform one of the following:

a. IF de-escalating, THEN return to the applicable section of this procedure using Enclosure 1.

b. IF terminating the event, THEN perform one of the following:

(1) Notify the Units 1 and 2 Watch Engineer that the event has been terminated.

(2) Have the Control Room make the following announcement via the plant page system, using page boost, to notify plant personnel:

"Attention all personnel, attention all personnel. The emergency situation has been terminated".

Completed by: _____ Date: _____

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5.5 Site Area Emergency

Time

NOTE

Prescribed Emergency Announcements may be omitted or modified as directed by the Emergency Coordinator or his designee to prevent alarming intruders if security events warrant.

5.5.1 **IF** a Site Area Emergency has been declared, **THEN** perform the following steps:

CAUTION

De-escalation from Site Area Emergency must be done in concurrence with the RM.

NOTE

Notification steps may be performed out of sequence in order to meet State of Florida and/or NRC notification time requirements.

1. Document sequence of events using the Emergency Log Book.

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Time

5.5.1 (Cont'd)

2. Inform, or have the Control Room inform site personnel of the emergency via Plant Page System using the Page Volume Boost [Either (a) or (b)]:

CAUTION

If a release is in progress, inform emergency responders of access routes to Emergency Response Facilities. During off hours, dispatch security to route incoming emergency responders away from hazardous routes.

- a. **IF** ENTERING into a Site Area Emergency, **THEN** perform the following:

- (1) Make the following announcement:

"Attention all personnel; attention all personnel. A Site Area Emergency has been declared on Unit # _____ due to (provide brief description of initiating event). All Emergency Response Organization members report to your designated Emergency Response Facility."

- (2) **IF** not previously performed, **THEN** sound the Emergency Plan Activation Alarm.

- (3) Repeat the announcement.

CAUTION

RM approval is required prior to downgrading from a Site Area Emergency.

- b. **IF** downgrading to a Site Area Emergency, **THEN** make the following announcement twice:

"Attention all personnel, Attention all personnel. The emergency has been downgraded to Site Area Emergency."

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5.5.1 (Cont'd)

NOTE

If winds are from 90° to 146°, consider the use of the alternate evacuation route.

3. Consider plant and radiological conditions as they relate to the emergency regarding site evacuation.
 - a. Potential for release
 - b. Duration of release
 - c. Direction of release
 - d. Meteorological conditions
 - e. Plant conditions (need for supplemental emergency response personnel).
 - f. Security threats to evacuees.

CAUTION

As conditions warrant, the Emergency Coordinator may delay, postpone, or make special requirements on the evacuation (Reference Step 5.1.17). If large doses will be received during an evacuation, it may be more effective to shelter non-essential personnel on site.

4. Implement an Owner Controlled Area Evacuation if no significant hazards exist which may threaten evacuees.
 - a. **IF** the TSC Health Physics Supervisor is available, **THEN** discuss release status, release duration, and wind direction to determine applicable evacuation route and Off-site Assembly Area.
 - b. Notify the Security Shift Supervisor for an evacuation of the Owner Controlled Area, including non-essential personnel from the Protected Area, **AND** instruct them to implement 0-EPIP-20110, CRITERIA FOR AND CONDUCT OF AN OWNER CONTROLLED AREA EVACUATION, and Security Force Instruction (SFI) 6307, EMERGENCY EVACUATION AND ACCOUNTABILITY.

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Time

5.5.1.4 (Cont'd)

- c. Notify the Watch Engineer of Units 1 and 2 of the Site Evacuation AND instruct them to initiate a roster of personnel left in the fossil units for shutdown of the fossil units.
- d. Inform, or have the Control Room inform, site personnel via Plant Page System AND complete the following steps:

CAUTION

If a significant release (process monitors off scale or other indications) and/or security related (intruders, bomb threat, etc.) events are in progress, inform emergency responders and site evacuees of the best access and egress routes to take to/from site to minimize hazards. During off hours, dispatch Security to route incoming emergency responders away from hazardous routes.

- (1) Make the following announcement using Page Volume Boost:

"Attention all personnel. Attention all personnel. An Owner Controlled Area Evacuation has been implemented. All Emergency Response Organization members report to your designated Emergency Response Facility. All other personnel evacuate to (designated off-site assembly area) by (route to off-site assembly area)."

- (2) Sound the Site Evacuation Alarm.

- (3) Make the following announcement using Page Volume Boost:

"Attention all personnel. Attention all personnel. An Owner Controlled Area Evacuation has been implemented. All Emergency Response Organization members report to your designated Emergency Response Facility. All other personnel evacuate to (designated off-site assembly area) by (route to off-site assembly area)."

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Time

5.5.1 (Cont'd)

5. Notify the TSC Security Supervisor (Security Shift Supervisor) to:

- a. Discuss the potential for the suspension of all or some safeguards. (Reference Step 5.1.18)
- b. Provide accountability information as needed (Names and Badge Numbers).

6. **IF** there is a localized emergency (fire, high radiation, toxic gas), **THEN** perform the following:

- a. Determine an assembly area for personnel evacuated from the affected area.
- b. Announce type and location, instruct personnel to stand clear and report to the designated assembly area.
- c. **IF** not previously performed, **THEN** sound applicable alarm.
- d. Announce type and location, instruct personnel to stand clear and report to the designated assembly area.
- e. Initiate Search and Rescue as required.

7. **IF** the On-site Emergency Response Facilities (ERFs) are operational, **AND** Emergency Coordinator responsibilities have not transferred, **THEN** consider Emergency Coordinator transfer to TSC.

NOTE

If plant events (radiological or security threat considerations), warrant, alternate facilities and/or routes to these facilities may be necessary. Refer to Subsection 5.1, General.

8. **IF** not previously performed, **THEN** instruct the STA to initiate activation of on-site Emergency Response Facilities (ERF) using 0-EPIP-20104, EMERGENCY RESPONSE ORGANIZATION NOTIFICATIONS/ STAFF AUGMENTATION.

9. Update on-site emergency responders of the emergency conditions.

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Time

5.5.1 (Cont'd)

10. **IF** the EOF is operational, **THEN** relinquish communication responsibilities to off-site agencies to the Recovery Manager at the EOF.

CAUTIONS

- *Notification to the State Warning Point is required within 15 minutes of the emergency classification.*
- *Notification to the NRCOC is required to immediately follow the State Notification and no later than one hour.*
- *Collection of Release Rate Data shall not delay the State of Florida or NRC Notifications.*
- *If a transitory event has occurred, notifications are still required, using this procedure.*

NOTE

If during the notification process, it becomes necessary to upgrade the emergency classification,

___ ensure that the State Warning Point has been notified of the emergency declaration within 15 minutes of making the initial classification,

___ stop the current notification process, and

___ proceed to the steps corresponding to the new emergency classification, including notification of the new classification to the State Warning Point.

11. **IF** off-site (State and County) notification responsibilities are with the Emergency Coordinator on site, **THEN** complete the following steps:

- a. Complete a form similar to Attachment 1.
- b. Obtain the Emergency Coordinator initials on the form prior to transmitting the information.

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Time

5.5.1.11 (Cont'd)

NOTES

- State Warning Point may request verification call back. If requested, they will call in on the black bell phone (ringmaster) or cellular phone in the Control Room.
- If either of the counties (Miami-Dade County, Monroe County) are not on line during the notification with the State Warning Point (SWP), follow up with the SWP to ensure contact is made or directly contact the counties to convey the message form information. (10 CFR 50 Appendix E, requires licensees to notify the State and Local Government)

c. Notify the State Warning Point in Tallahassee and relay information from a form similar to Attachment 1 within 15 minutes of classifying the Site Area Emergency via one of the following:

- (1) Hot Ring Down Telephone
- (2) Commercial Telephone (refer to ERD)
- (3) Cellular Phone (refer to ERD)
- (4) ESATCOM
- (5) Local Government Radio

d. Complete a form similar to Attachment 2.

e. Contact the NRCOC and relay the information from a form similar to Attachment 2 immediately after the notification of the Site Area Emergency to the State and Counties via one of the following:

- (1) ENS
- (2) Commercial Telephone (refer to ERD)
- (3) Cellular Telephone (refer to ERD)

12. **IF** the On-site Emergency Response Facilities (TSC/OSC) are operational, **THEN** consider Emergency Coordinator transfer to the TSC.

13. **IF** the EOF is operational, **THEN** relinquish communication responsibilities with off-site agencies to the Recovery Manager at the EOF.

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Time 5.5.1 (Cont'd)

NOTE

Security has thirty minutes to provide a list of names of personnel not yet accounted for inside the Protected Area.

14. Determine the status of the owner Controlled Area Evacuation.

15. Reassess plant conditions using Enclosure 1 **AND** Attachment 3 periodically.

CAUTION

If the EOF is operational and the emergency has been upgraded, it is imperative that the Recovery Manager be notified concurrently with the declaration. This will ensure that the 15 minute notification time limit is not missed.

16. **IF** upgrading Emergency Classification, **THEN** proceed to applicable section of this procedure, using Enclosure 1 **AND IF** the EOF is operational, **THEN** notify the Recovery Manager promptly.

17. **IF** notification responsibilities are with the Emergency Coordinator On-site, **THEN** perform the following every hour, upon termination, or as conditions change:

- a. Complete a form similar to Attachment 1.
- b. The Emergency Coordinator shall initial the form prior to transmitting the information to verify Emergency Coordinator approval.
- c. Notify the following of the new information:
 - (1) State Warning Point
 - (2) Duty Call Supervisor
- d. Complete a form similar to Attachment 2.
- e. Notify the NRCOC with the new information.

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5.5.1 (Cont'd)

18. Using Enclosure 3 determine if the emergency can be de-escalated or terminated.
19. IF conditions warrant, THEN recommend de-escalation of the Site Area Emergency to RM. (Any de-escalation from Site Area Emergency shall be determined by the RM.)
20. IF de-escalating or terminating the event, THEN perform one of the following:
- a. IF de-escalating, THEN return to the applicable section of this procedure using Enclosure 1.
 - b. IF terminating the event, THEN perform one of the following:
 - (1) Notify the Units 1 and 2 Watch Engineer that the event has been terminated.
 - (2) Have the Control Room make the following announcement via the plant page system, using page boost, to notify plant personnel:

"Attention all personnel, attention all personnel. The emergency situation has been terminated.

Completed by: _____ Date: _____

5.6 General Emergency

Time

NOTE

Prescribed emergency announcements may be omitted or modified as directed by the Emergency Coordinator or his designee, to prevent alarming intruders if security events warrant.

5.6.1 **IF** a General Emergency has been declared, **THEN** complete the following steps:

CAUTION

De-escalation from a General Emergency must be done in concurrence with the RM.

NOTE

Notification steps may be performed out of sequence in order to meet State of Florida and/or NRC notification time requirements.

1. Document sequence of events using the Emergency Log Book.

CAUTION

If a release or security events are in progress, inform emergency responders of access routes to Emergency Response Facilities. During off hours, dispatch Security to route incoming emergency responders away from hazardous routes.

2. Inform, or have the Control Room inform, site personnel of the emergency via Plant Page System using Page Volume Boost.

a. Make the following announcement:

"Attention all personnel. Attention all personnel. A General Emergency has been declared on Unit #_____ due to (provide brief description of initiating event). All Emergency Response Organization members report to your designated Emergency Response Facility."

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5.6.1.2 (Cont'd)

- b. IF not previously performed, THEN sound the Emergency Plan Activation Alarm.
- c. Repeat the announcement.

CAUTIONS

- *RM approval is required prior to downgrading from a General Emergency.*
- *Radiological, security threats and plant conditions shall also be considered when preparing to evacuate personnel. If large doses will be received during an evacuation, or if security threats jeopardize evacuation routes, it may be more effective to shelter non-essential personnel on site. Also, take into consideration the duration of the release, plant conditions, potential for release, and meteorological conditions.*

NOTE

If winds are from 90° to 146°, consider the use of the alternate evacuation route.

3. Implement an Owner Controlled Area Evacuation if no significant hazards exist which may threaten evacuees.
 - a. IF the TSC Health Physics Supervisor is available, THEN discuss release status, release duration, and wind direction to determine applicable evacuation route and off-site Assembly Area.
 - b. Notify the Security Shift Supervisor for an evacuation of the Owner Controlled Area, including non-essential personnel from the Protected Area, and instruct them to implement 0-EPIP-20110, CRITERIA FOR AND CONDUCT OF AN OWNER CONTROLLED AREA EVACUATION, and Security Force Instruction (SFI) 6307, EMERGENCY EVACUATION AND ACCOUNTABILITY.
 - c. Notify the Watch Engineer of Units 1 and 2 of the Site Evacuation AND instruct them to initiate a roster of personnel left in the fossil units for shutdown of the fossil units.

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Time

5.6.1.3 (Cont'd)

CAUTION

If a significant release (Process Monitors are off scale or other indicators) and/or security related events (intruders, bomb threat, etc.) are in progress, inform emergency responders and site evacuees of the best access and egress routes to take from the site to minimize hazards. During off hours, dispatch Security to route incoming emergency responders away from hazardous routes.

d. Inform, or have Control Room personnel inform, site personnel via the Plant Page System and complete the following:

(1) Make the following announcement using Page Volume Boost:

"Attention all personnel. Attention all personnel. An Owner Controlled Area Evacuation has been implemented. All Emergency Response Organization members report to your designated Emergency Response Facility. All other personnel evacuate to (designated Off-site Assembly Area) by (route to Off-site Assembly Area)".

4. Notify the TSC Security Supervisors (Security Shift Supervisor) to:

a. Discuss the potential for the suspension of all or some safeguards (Reference Step 5.1.18).

b. Provide accountability information as needed (names and badge numbers).

5. **IF** there is a localized emergency (fire, high radiation, toxic gas) **THEN** perform the following:

a. Determine an assembly area for personnel evacuated from the affected area.

b. Announce its type and location, instruct personnel to stand clear and report to the designated assembly area.

c. Sound applicable alarm, if not previously done.

d. Announce its type and location, instruct personnel to stand clear and report to the designated assembly area.

e. Initiate Search and rescue as required.

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Time

5.6.1 (Cont'd)

6. **IF** the On-site Emergency Response Facilities are operational, **THEN** consider Emergency Coordinator transfer to TSC.

NOTE

If plant events (radiological or security threat considerations) warrant, alternate facilities and/or routes to these facilities may be necessary. Refer to precautions.

7. **IF** not previously performed, **THEN** instruct STA to initiate activation of the On-site Emergency Response Facilities (ERF) using 0-EPIP-20104, EMERGENCY RESPONSE ORGANIZATION NOTIFICATIONS/ STAFF AUGMENTATION.
8. Update on-site emergency responders of the emergency conditions.
9. **IF** the EOF is operational, **THEN** relinquish communication responsibilities with off-site agencies to the Recovery Manager at the EOF.

Time5.6.1 (Cont'd)**CAUTIONS**

- *Notification to the State Warning Point is required within 15 minutes of emergency classification.*
- *Notification to the NRCOC is required to immediately follow the State Notification and no later than one hour.*
- *Collection of Release Rate Data shall not delay State of Florida or NRC Notifications.*
- *If a transitory event has occurred, notifications are still required using this procedure.*

NOTE

If during the notification process, it becomes necessary to upgrade the emergency classification,

___ ensure that the State Warning Point has been notified of the Emergency Declaration within fifteen minutes of making the initial classification,

___ stop the current notification process, and

___ proceed to the steps corresponding to the new Emergency Classification, including notification of the new classification to the State Warning Point.

10. **IF** off-site (State and County) notification responsibilities are with the Emergency Coordinator on site, **THEN** complete the following steps:

- a. Complete a form similar to Attachment 1.
- b. Obtain the Emergency Coordinator's initials on the notification form prior to transmitting the information.

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Time

5.6.1.10 (Cont'd)

NOTES

- State Warning Point may request verification call back. If requested, they will call in on the black bell phone (Ringmaster) or cellular phone in the Control Room.
- If either of the counties (Miami-Dade County, Monroe County) are not on line during the notification with the State Warning Point (SWP), follow up with the SWP to ensure contact is made or directly contact the counties to convey the message form information. (10 CFR 50 Appendix E, requires licensees to notify the State and Local Government)

c. Notify State Warning Point in Tallahassee AND relay information from a form similar to Attachment 1 within 15 minutes of classifying the General Emergency via one of the following:

- (1) Hot Ring Down Telephone
- (2) Commercial Telephone (refer to ERD)
- (3) Cellular Phone (refer to ERD)
- (4) ESATCOM
- (5) Local Government Radio

d. Complete a form similar to Attachment 2.

e. Contact the NRCOC AND relay the information from a form similar to Attachment 2 immediately after the notification of the General Emergency to State and Counties via one of the following:

- (1) ENS
- (2) Commercial Telephone (refer to ERD)
- (3) Cellular Telephone (refer to ERD)

11. IF the On-site Emergency Response Facilities (TSC/OSC) are operational, THEN consider Emergency Coordinator transfer to TSC.

| | | |
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Time

5.6.1 (Cont'd)

NOTES

- Any de-escalation from General Emergency shall be determined by the RM.
- Security has 30 minutes to provide a list of names of personnel not yet accounted for inside the Protected Area.

12. **IF** not previously performed, **THEN** determine the status of the Owner Controlled Area Evacuation.

13. Reassess plant conditions against Enclosure 1 **AND** Attachment 3 periodically.

14. **IF** notification responsibilities are with the Emergency Coordinator on-site, **THEN** provide notifications to the State and Counties every hour, upon termination, or as conditions change:

- a. Complete a form similar to Attachment 1.
- b. Obtain the Emergency Coordinator's initials on the notification form prior to transmitting the information.
- c. Notify the following of the new information.
 - (1) State Warning Point
 - (2) Duty Call Supervisor
- d. Complete a form similar to Attachment 2.
- e. Notify the NRCOC with the new information.

| | | |
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15. Using Enclosure 3 determine if the emergency can be de-escalated or terminated.

NOTE

Any de-escalation from General Emergency shall be determined by the RM.

16. **IF** conditions warrant, **THEN** recommend de-escalation from General Emergency to the RM.

17. **IF** de-escalating or terminating the event, **THEN** perform one of the following:

a. **IF** de-escalating, **THEN** return to the applicable section of this procedure using Enclosure 1.

b. **IF** terminating the event, **THEN** perform one of the following:

(1) Notify the Units 1 and 2 Watch Engineer that the event has been terminated.

(2) Have the Control Room make the following announcement via the plant page system, using page boost, to notify plant personnel:

"Attention all personnel, attention all personnel. The emergency situation has been terminated.

Completed by: _____ Date: _____

END OF TEXT

ENCLOSURE 1
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EMERGENCY CLASSIFICATION TABLE

| 1. Primary Leakage/LOCA | | | |
|--|--|--|---|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| Plant in Mode 1-2-3-4 <u>AND</u> Either A or B: A. RCS Leakage GREATER THAN 10 GPM as indicated by: 1) Control Room observation <u>OR</u> 2) Inventory balance calculation <u>OR</u> 3) Field observation <u>OR</u> 4) Emergency Coordinator judgment B. Failure of any primary system safety or relief valve to close resulting in an uncontrolled RCS depressurization. | Plant in Mode 1-2-3-4 <u>AND</u> RCS leakage greater than 50 gpm <u>AND</u> RCS leakage within available charging pump capacity CAUTION: This section should not be used for events involving only a steam generator tube leak/rupture, or only a faulted/ruptured steam generator. | Plant in Mode 1-2-3-4 <u>AND</u> RCS leakage greater than 50 gpm <u>AND</u> RCS leakage greater than available charging pump capacity CAUTION: This section should not be used for events involving only a steam generator tube leak/rupture, or only a faulted/ruptured steam generator. | Either A or B: ----- A. RCS leakage greater than 50 gpm <u>AND</u> RCS leakage greater than available charging pump capacity <u>AND</u> Containment pressure greater than 20 psig CAUTION: This section should not be used for events involving only a steam generator tube leak/rupture, or only a faulted/ ruptured steam generator. ----- B .Plant in Mode 1, 2, 3, 4, <u>AND</u> RCS leakage greater than 50 gpm <u>AND</u> RCS leakage greater than available charging pump capacity <u>AND</u> Loss of containment integrity which provides a flowpath to the environment. CAUTION: This section should not be used for events involving only a steam generator tube leak/rupture, or only a faulted/ruptured steam generator ----- CAUTION: Consult Attachment 3 for required Protective Action Recommendations. |
| Possible Control Room Indicators | | | |
| TI-465, 467, 469 TEC Flow Indicators | Charging/Letdown Flow Mismatch | RCS pressure Containment Pressure ARMS Charging/Letdown Flow Mismatch | RCS pressure Containment Pressure PRMS R-14 |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 2. Steam Generator Tube Leak/Rupture | | | |
|---|---|---|--|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| <p>Either A or B:</p> <p>A. Greater than 500 gpd steam generator tube leakage to any one steam generator per Technical Specification 3.4.6.2, Reactor Coolant System</p> <p>-----</p> <p>B. Greater than 1 gpm total steam generator tube leakage per Technical Specification 3.4.6.2, Reactor Coolant System</p> | <p>Either A or B:</p> <p>A. Confirmed steam generator tube leakage greater than 50 gpm AND Steam generator tube leakage within available charging pump capacity AND Loss of off-site power</p> <p>-----</p> <p>B. Steam generator tube leakage greater than available charging pump capacity.</p> | <p>Steam generator tube leakage greater than available charging pump capacity AND Loss of offsite power</p> <p>CAUTION: Consult Attachment 3 for possible Protective Action Recommendations</p> | |
| Possible Control Room Indicators | | | |
| PRMS R-15 PRMS R-19 | PRMS R-15 PRMS R-19 Charging/Letdown Flow Mismatch | PRMS R-15 PRMS R-19 Charging/Letdown Flow Mismatch | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 3. Loss of Secondary Coolant | | | |
|--|--|---|--|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| <p>Either A or B:</p> <p>A. Steamline or feedline break which results in Safety Injection actuation.</p> <p>-----</p> <p>B. Failure of a steam generator safety or steam dump to atmosphere valve to close resulting in uncontrolled secondary depressurization.</p> | <p>Steamline or feedline break which results in Safety Injection actuation AND</p> <p>Evidence of significant (greater than 10 gpm) steam generator tube leakage in the affected steam generator.</p> | <p>Steamline or feedline break which results in Safety Injection actuation AND</p> <p>Confirmed RCS DEQ I-131 activity greater than or equal to 300 µCi/gm AND</p> <p>Confirmed steam generator tube leakage greater than 50 gpm in the affected steam generator</p> <p>CAUTION: Consult Attachment 3 for possible Protective Action Recommendations</p> | |
| Possible Control Room Indicators | | | |
| | PRMS R-15 PRMS R-19 Charging/Letdown Flow Mismatch | PRMS R-15 PRMS R-19 Charging/Letdown Flow Mismatch | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

ENCLOSURE 1

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EMERGENCY CLASSIFICATION TABLE

| 4. Fuel Handling Accident | | | |
|--|--|--|--|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| | <p>A spent fuel element has been dropped or damaged</p> <p>AND</p> <p>Release of radioactivity from the damaged spent fuel element has been detected.</p> | <p>Either A, B or C:</p> <p>A. Major damage to one or more spent fuel elements has occurred</p> <p>AND</p> <p>Affected area radiation monitors are greater than 10^3 mR/hr.</p> <p>-----</p> <p>B. Major damage to one or more spent fuel elements has occurred</p> <p>AND</p> <p>Containment radiation levels greater than 1.3 E4 Rem/hr</p> <p>-----</p> <p>C. Major damage to one or more spent fuel elements due to water level being below top of spent fuel.</p> | |
| Possible Control Room Indicators | | | |
| | ARMS R-2, 5, 7, 8, 19, 21, 22 PRMS R-12, 14 | PRMS R-2, 5, 7, 8, 19, 21, 22 PRMS R-12, 14 SFP Level Indication RI-6311A RI-6311B | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 5. Loss of Safe Shutdown Functions/ATWS | | | |
|--|---|---|--|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| | <p>Either A, B, C or D:</p> <p>A. Reactor critical <u>AND</u> Failure of the Reactor Protection System to initiate a trip signal when a trip setpoint has been exceeded.</p> <p>-----</p> <p>B. Reactor critical <u>AND</u> Reactor fails to trip on automatic signal</p> <p>-----</p> <p>C. Reactor critical <u>AND</u> Reactor fails to trip on manual signal</p> <p>-----</p> <p>D. RCS temperature increasing due to loss of decay heat removal capability from all of the following:</p> <p>1) RHR System <u>AND</u> 2) Forced RCS circulation <u>AND</u> 3) Natural RCS circulation</p> | <p>Either A, B, C or D:</p> <p>A. Inability to bring the reactor subcritical with control rods</p> <p>-----</p> <p>B. Plant in Mode 1-2-3 <u>AND</u> Loss of steam release capability from all of the following:</p> <p>1) Condenser steam dumps <u>AND</u> 2) Atmospheric steam dumps <u>AND</u> 3) All steam generator safeties</p> <p>-----</p> <p>C. Plant in Mode 1-2-3 <u>AND</u> Loss of secondary heat sink has occurred <u>AND</u> RCS bleed and feed is required.</p> <p>-----</p> <p>D. Plant in Mode 1-2-3 <u>AND</u> RCS injection capability has been lost from:</p> <p>1) Charging pumps <u>AND</u> 2) High-head SI pumps</p> <p>except due to loss of all AC power. Refer to Section 10, Loss of Power Conditions</p> | <p>Either A or B:</p> <p>A. Inability to bring the reactor subcritical <u>AND</u> RCS pressure greater than 2485 psig.</p> <p>-----</p> <p>B. Inability to bring the reactor subcritical <u>AND</u> Containment pressure greater than or equal to 4 psig.</p> <p> CAUTION: Consult Attachment 3 for required Protective Action Recommendations.</p> |
| Possible Control Room Indicators | | | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

6. Fuel Element Failure

| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
|--|---|---|---|
| RCS activity requiring plant shutdown or cooldown per Technical Specification 3.4.8. | <p>Either A, B or C:</p> <p>A. R-20 Reading of 2.5 R/hr, or confirmed RCS DEQ I-131 activity greater than or equal to 300 μCi/gm.</p> <p>-----</p> <p>B. An increase of greater than 1% fuel failure in 30 minutes.</p> <p>-----</p> <p>C. Total fuel failure of 5%.</p> | <p>Fuel element failure as indicated by A, B, or C:</p> <p>A. R-20 Reading of 2.5 R/hr, or confirmed RCS DEQ I-131 activity greater than or equal to 300 μCi/gm. AND RCS T_{hot} greater than 620°F.</p> <p>-----</p> <p>B. Confirmed RCS DEQ I-131 activity greater than or equal to 300 μCi/gm. AND Core exit thermocouples greater than 700°F.</p> <p>-----</p> <p>C. Containment high range radiation monitor reading greater than 1.3 E4 Rem/hr.</p> | <p>Fuel element failure as defined in Site Area Emergency of this section AND</p> <p>Any of the following is imminent or in progress:</p> <p>a) LOCA with loss of containment cooling OR</p> <p>b) LOCA with loss of containment integrity which provides a flowpath to the environment OR</p> <p>c) Steam generator tube rupture with unisolable flowpath from the ruptured steam generator to the environment.</p> <p>CAUTION: Consult Attachment 3 for required Protective Action Recommendations.</p> |

Possible Control Room Indicators

| | | | |
|--|--|--|--|
| | PRMS R-20 ARMS R-1 through R-6 | Core Exit Thermocouples RI-6311A RI-6311B | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 7. Uncontrolled Effluent Release | | | |
|--|--|---|---|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| <p>A release to the Unrestricted Area has occurred or is in progress which exceeds either A or B:</p> <p>A. ODCM limits for gaseous release (Control 3.2) per off-site dose estimates performed in accordance with 0-EPIP-20126, Off-site Dose Calculations.</p> <p style="text-align: center;">-----</p> <p>B. ODCM limits for liquid release (Control 2.3).</p> <p>NOTE: Alarm Actuation does not in itself constitute exceeding ODCM limits.</p> | <p>A release to the Unrestricted Area has occurred or is in progress which exceeds either A or B:</p> <p>A. Ten times ODCM limits for gaseous release (Control 3.2) per off-site dose estimates performed in accordance with 0-EPIP-20126, Off-site Dose Calculations.</p> <p style="text-align: center;">-----</p> <p>B. Ten times ODCM limits for liquid release (Control 2.3).</p> <p>NOTE: Alarm Actuation does not in itself constitute exceeding ODCM limits.</p> | <p>Performance of 0-EPIP-20126, Off-site Dose Calculation or off-site surveys indicate site boundary exposure levels have been exceeded as indicated by either A, B, C, or D:</p> <p>A. greater than or equal to 50 mrem/hr total dose rate for 1/2 hour</p> <p style="text-align: center;">-----</p> <p>B. greater than or equal to 250 mrem/hr to the thyroid for 1/2 hour</p> <p style="text-align: center;">-----</p> <p>C. greater than or equal to 500 mrem/hr total dose rate for 2 minutes</p> <p style="text-align: center;">-----</p> <p>D. greater than or equal to 2500 mrem/hr to the thyroid for 2 minutes</p> <p>NOTE: Site boundary equals 1 mile radius from affected unit.</p> <p>CAUTION: Consult Attachment 3 for possible Protective Action Recommendations.</p> | <p>Performance of 0-EPIP-20126, Off-site Dose Calculation or off-site surveys indicate site boundary exposure levels have been exceeded as indicated by either A, B, C, or D:</p> <p>A. greater than or equal to 1000 mrem/hr total dose rate</p> <p style="text-align: center;">-----</p> <p>B. greater than or equal to 1000 mrem total dose (TEDE)</p> <p style="text-align: center;">-----</p> <p>C. greater than or equal to 5000 mrem/hr to the thyroid</p> <p style="text-align: center;">-----</p> <p>D. greater than or equal to 5000 mrem thyroid dose (CDE)</p> <p>NOTE: Site boundary equals 1 mile radius from affected unit.</p> <p>CAUTION: Consult Attachment 3 for required Protective Action Recommendations.</p> |
| Possible Control Room Indicators | | | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 8. High Radiation Levels In Plant | | | |
|--|--|---|---|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| | <p>Severe loss of control of radioactive materials as indicated by either A, B or C:</p> <p>A. Unexpected valid area monitor alarm from an undeterminable source with meter greater than 10³ mR/hr.</p> <p>-----</p> <p>B. Unexpected plant iodine or particulate airborne concentration greater than 1000 DAC as per 10 CFR 20 Appendix B, Table 1.</p> <p>-----</p> <p>C. Unexpected direct radiation dose rate reading or unexpected airborne radioactivity concentration from an undetermined source in excess of 1000 times normal levels.</p> | <p>Containment High Range Radiation Monitor reading greater than 1.3 E4 Rem/hr.</p> <p>NOTE: Direct Chemistry to perform offsite dose estimates per 0-EPIP-20126, Off-site Dose Calculations. (See Section 7, Uncontrolled Effluent Release)</p> <p>CAUTION: Consult Attachment 3 for possible Protective Action Recommendations.</p> | <p>Containment High Range Radiation Monitor reading greater than 1.3 E5 Rem/hr.</p> <p>NOTE: :Direct Chemistry to perform offsite dose estimates per 0-EPIP- 20126, Off-site Dose Calculations. (See Section 7, Uncontrolled Effluent Release)</p> <p>CAUTION: Consult Attachment 3 for required Protective Action Recommendations.</p> |
| Possible Control Room Indicators | | | |
| | Area Radiation Monitors | RI-6311A RI-6311B | RI-6311A RI-6311B |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 9. Other Plant Conditions That Could Lead To Substantial Core Damage | | | |
|--|--|--|---|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| | | | <p>Either A or B:</p> <p>A. Potential core damage indicated by all of the following:</p> <ol style="list-style-type: none"> 1) Known LOCA greater than available charging pump capacity <u>AND</u> 2) Failure of ECCS to deliver flow to the core <u>AND</u> 3) Containment High Range Radiation Monitor reading greater than 1.3 E4 Rem/hr. <p>-----</p> <p>B. Potential core damage indicated by all of the following:</p> <ol style="list-style-type: none"> 1) Loss of secondary heat sink <u>AND</u> 2) RCS bleed and feed required <u>AND</u> 3) No high-head SI flow available <u>AND</u> 4) No RHR flow for greater than 30 minutes <u>AND</u> 5) No AFW flow for greater than 30 minutes <p>CAUTION: Consult Attachment 3 for required Protective Action Recommendations.</p> |
| Possible Control Room Indicators | | | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 10. Loss Of Power Conditions | | | |
|--|--|---|---|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| <p>Either A or B:</p> <p>A. Loss of offsite power to the:</p> <p>1) A 4KV bus</p> <p style="text-align: center;">AND</p> <p>2) B 4KV bus</p> <p>-----</p> <p>B. Loss of on-site power capability as indicated by:</p> <p>1) Loss of capability to power at least one vital 4KV bus from <u>any</u> of the four available emergency diesel generators.</p> | <p>Either A or B:</p> <p>A. Loss of all vital on-site DC power.</p> <p>-----</p> <p>B. Loss of offsite power</p> <p style="text-align: center;">AND</p> <p>Both associated emergency diesel generators fail to energize their associated 4KV buses.</p> <p>NOTE: Refer to Section 5, Loss of Safe Shutdown Function</p> | <p>Either A, B or C with fuel in the Reactor Vessel</p> <p>A. Loss of all A/C power for greater than 15 minutes.</p> <p>-----</p> <p>B. Loss of all vital on-site DC power for greater than 15 minutes.</p> <p>-----</p> <p>C. Emergency Coordinator leaves Control Room within the first 15 minutes of a loss of all A/C <u>OR</u> DC power.</p> | <p>The following situation exists for greater than 1 hr with fuel in the Reactor Vessel.</p> <p>a) Loss of all A/C power</p> <p style="text-align: center;">AND</p> <p>b) Loss of all feedwater capability.</p> <p>CAUTION: Consult Attachment 3 for required Protective Action Recommendations.</p> |
| Possible Control Room Indicators | | | |
| 4KV Bus Voltage 4KV Bus Amps | | | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 11. Loss Of Assessment Functions | | | |
|--|--|---|--|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| <p>Either A, B, or C:</p> <p>A. Unplanned loss of most or all Safety System Annunciators for greater than 15 minutes</p> <p style="text-align: center;">-----</p> <p>B. Loss of primary communications with off-site locations</p> <p style="text-align: center;">AND</p> <p>Loss of all backup communications with offsite locations</p> <p style="text-align: center;">-----</p> <p>C. Loss of effluent or radiological monitoring capability requiring plant shutdown.</p> | <p>Unplanned loss of <u>ALL</u> Safety System Annunciators</p> <p style="text-align: center;">AND</p> <p>Plant Transient in progress</p> | <p>Inability to monitor a significant transient in progress</p> | |
| Possible Control Room Indicators | | | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 12. Natural Phenomena | | | |
|---|---|--|--|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| Plant in Mode 1-2-3-4 <p align="center"><u>AND</u></p> either A, B, C or D: A. Confirmed hurricane warning <p align="center"><u>OR</u></p> B. Confirmed tornado in owner controlled area <p align="center"><u>OR</u></p> C. Any earthquake detected on site <p align="center"><u>OR</u></p> D. Hurricane/flood surge that prevents land access to the site | Plant in any mode including defueled. <p align="center"><u>AND</u></p> either A, B, C or D: NOTE: If accurate projections of on-site wind speeds are not available within 12 hours of entering the hurricane warning, classify the event using current hurricane track and wind speeds to project on-site conditions. A. Confirmed hurricane warning with maximum projected on-site wind speeds in excess of 200 mph <p align="center"><u>OR</u></p> B. Tornado striking any power block structure <p align="center"><u>OR</u></p> C. Earthquake that could cause or has caused trip of the turbine generator or reactor <p align="center"><u>OR</u></p> D. Hurricane/flood surge that raises water level greater than 18 feet above MLW | Plant in Mode 1-2-3-4 <p align="center"><u>AND</u></p> either A, B or C: NOTE: If accurate projections of on-site wind speeds are not available within 12 hours of entering the hurricane warning, classify the event using current hurricane track and wind speeds to project on-site conditions. A. Confirmed hurricane warning with maximum projected on-site wind speeds in excess of 225 mph <u>AND</u> the unit not expected to be in cold shutdown prior to the projected onset of hurricane force winds <p align="center"><u>OR</u></p> B. Earthquake has caused loss of any safety system function <p align="center"><u>OR</u></p> C. Hurricane/flood surge that raises water level greater than 18 feet above MLW and results in shutdown of turbine generator or reactor. | A major natural event (e.g., high winds, earthquake, flooding) has occurred, which has caused massive damage to plant systems resulting in any of the other General Emergency initiating conditions. CAUTION: Consult Attachment 3 for required Protective Action Recommendations. |
| Possible Control Room Indicators | | | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 13. Hazards To Station Personnel And Equipment | | | |
|---|--|---|--|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| <p>Safety of nuclear plant or personnel threatened by either A, B, C, D, or E:</p> <p>A. Aircraft crash on site -----</p> <p>B. Unusual aircraft activity over facility -----</p> <p>C. Toxic or flammable gas release -----</p> <p>D. Turbine generator rotating component failure requiring rapid turbine shutdown -----</p> <p>E. On-Site Explosion</p> <p>NOTE: Explosion is defined as a rapid chemical reaction resulting in noise, heat and the rapid expansion of gas.</p> | <p>Either A, B, or C:</p> <p>A. A reduction in the level of safety of plant structures or components within the protected area due to damage caused by either 1), 2), or 3):</p> <p>1) Aircraft crash <u>OR</u> 2) Missile impact <u>OR</u> 3) Explosion</p> <p>NOTE: Explosion is defined as a rapid chemical reaction resulting in noise, heat and the rapid expansion of gas.</p> <p>B. Toxic or flammable gas release which threatens plant operation.</p> <p>C. Turbine generator failure resulting in casing penetration.</p> | <p>Either A or B:</p> <p>A. Plant in Mode 1-2-3-4 <u>AND</u> Safety systems have failed or damage to vital structure has been caused by either 1), 2), or 3):</p> <p>1) Aircraft crash <u>OR</u> 2) Missile impact <u>OR</u> 3) Explosion</p> <p>NOTE: Explosion is defined as a rapid chemical reaction resulting in noise, heat and the rapid expansion of gas.</p> <p>B. Toxic or flammable gas release into control or vital areas which renders one train of Safety Related Systems inoperable.</p> | |
| Possible Control Room Indicators | | | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 14. Security Threat | | | |
|--|---|--|--|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| <p>Declaration of a Security Alert by the security force due to either A, B, C, D, E, F, G, H, I, J</p> <p>A. Bomb Threat -----</p> <p>B. Attack threat -----</p> <p>C. Civil disturbance -----</p> <p>D. Protected area intrusion attempt -----</p> <p>E. Sabotage attempt -----</p> <p>F. Internal disturbance -----</p> <p>G. Vital area intrusion -----</p> <p>H. Security Force strike</p> <p>I. Credible site-specific security threat notification</p> <p>J. Security Threat</p> | <p>Declaration of a Security Emergency by the security force as defined in the safeguards contingency plan implementing procedure.</p> | <p>Declaration of a Security Emergency involving imminent occupancy of the Control Room or other vital areas by intruders as defined in the safeguards contingency plan implementing procedure.</p> | <p>Physical attack on the plant resulting in occupation of the Control Room or other vital areas by intruders (as per the safeguards contingency plan implementing procedure).</p> <p>CAUTION: Consult Attachment 3 for required Protective Action Recommendations.</p> |
| Possible Control Room Indicators | | | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 15. Control Room Evacuation | | | |
|---|--|---|--------------------------|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| | Control Room evacuation anticipated or required. | Control Room has been evacuated AND Local control of shutdown systems has NOT been established from local stations within 15 minutes. | |
| Possible Control Room Indicators | | | |
| | | | |

| 16. Fire | | | |
|--|--|--|---|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| Uncontrolled fire within the power block lasting longer than 10 minutes. | Uncontrolled fire potentially affecting safety systems AND Offsite support required | Fire which prevents a safety system from performing its design function. | A major fire has occurred which has caused massive damage to plant systems resulting in any of the other General Emergency initiating conditions. CAUTION: Consult Attachment 3 for required Protective Action Recommendations. |
| Possible Control Room Indicators | | | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 17. Plant Shutdown | | | |
|---|--|--|--|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| Any plant shutdown required by Technical Specifications in which the required shutdown mode is not reached within the Action Statement time limits. | | | |
| Possible Control Room Indicators | | | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

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EMERGENCY CLASSIFICATION TABLE

| 18. Other Plant Conditions Requiring Increased Awareness (Emergency Coordinator's Judgment) | | | |
|---|---|---|---|
| UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
| <p>Emergency Coordinator's judgment that other plant conditions exist which warrant increased awareness on the part of the operating staff and/or local off-site authorities.</p> <p>NOTE: Activation of the Emergency Response Facilities does not require declaration of an emergency or entry into a specific emergency classification.</p> | <p>Emergency Coordinator's judgment that other plant conditions exist which warrant the increased awareness and activation of emergency response personnel.</p> | <p>Emergency Coordinator's judgment that other plant conditions exist which warrant the precautionary notification to the public near the site and the activation of FPL and off-site agency emergency response personnel.</p> <p>(Reflects conditions where some significant releases are likely or are occurring but where a core melt situation is not indicated based on current information)</p> | <p>Emergency Coordinator's judgment that other plant conditions exist which make release of large amounts of radioactivity, in a short period of time, possible</p> <p>(Loss of two fission product barriers with potential for loss of the third, such as, actual or imminent substantial core degradation or melting with the potential for loss of containment.)</p> <p>CAUTION: Consult Attachment 3 for required Protective Action Recommendations.</p> |
| Possible Control Room Indicators | | | |
| Complete Actions listed in Subsection 5.3 Page 20 | Complete Actions listed in Subsection 5.4 Page 25 | Complete Actions listed in Subsection 5.5 Page 32 | Complete Actions listed in Subsection 5.6 Page 41 |

| | | |
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**GUIDELINES FOR EMERGENCY COORDINATOR
WHEN TRANSFERRING RESPONSIBILITIES**

The following subjects should be covered in the turnover, if applicable, when transferring responsibilities of Emergency Coordinator from Control Room to TSC and from TSC to EOF:

1. The current Emergency Classification.
2. Current Protective Action Recommendations.
3. Time and content of last notification made to the State and Counties.
4. Time and content of last notification made to the NRC.
5. Status of Plant.
6. Significant equipment issues.
7. Significant Emergency Response issues.
8. If communication links have been established.

| | | |
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DE-ESCALATION GUIDELINES

Once the Plant classifies a Site Area Emergency, or General Emergency, only the Recovery Manager has the authority to de-escalate to a lower classification level. The following guidelines provide points to consider when de-escalation may be appropriate.

1. Review Enclosure 1 to assure that classification criteria to enter event is no longer applicable, or referenced situations are under control.
2. Verify, additionally, that the plant is stable, under control, and trend or prognosis indicates that improvement is the most likely prospect. Consider the following:
 - a. Sub-criticality
 - b. Core cooling mode
 - c. Heat sink mode
 - d. RCS Pressure Boundary Integrity
 - e. Inventory Control (Primary and Secondary Coolant)
3. Verify there is no foreseeable likelihood of a significant uncontrolled release. Consider the following:
 - a. Containment Pressure
 - b. Containment/Auxiliary Building Radiation Levels.
 - c. Waste Gas Storage Tank Pressures and Activities
 - d. Contaminated Water Volumes and Activities
4. Verify long-term staffing for both the site and EOF is organized in place as appropriate for the event.
5. Consider reviewing the USNRC Response Technical Manual (RTM-96), Section H, Intermediate Phase Protective Action Assessment, for guidance on whether the incident source and releases have been brought under control. (Reference Substep 2.1.2.4)

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ATTACHMENT 1

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FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

1. A. ☐ This Is A Drill B. ☐ This Is An Emergency
OnLine-Notification ☐ SWP ☐ MIAMI-DADE COUNTY ☐ MONROE COUNTY

2. A. Date: ___/___/___ B. Contact Time: ___ C. Reported By: Name _____

D. Message Number: _____

E. Reported From: ☐ Control Room ☐ TSC ☐ EOF

3. SITE: A. ☐ CR UNIT 3 B. ☐ SL UNIT 1 C. ☐ SL UNIT 2 D. ☐ TP UNIT 3 E. ☐ TP UNIT 4

4. EMERGENCY CLASSIFICATION: A. ☐ Notification Of Unusual Event B. ☐ Alert

C. ☐ Site Area Emergency

D. ☐ General Emergency

5. A. ☐ EMERGENCY DECLARATION: B. ☐ EMERGENCY TERMINATION: Date: ___/___/___ Time: _____

6. REASON FOR EMERGENCY DECLARATION: A. ☐ EAL Number: _____ OR B. ☐ Description: _____

7. ADDITIONAL INFORMATION OR UPDATE: A. ☐ None OR B. ☐ _____

8. WEATHER DATA: A. Wind direction from _____ degrees B. Downwind Sectors affected _____

9. RELEASE STATUS: A. ☐ None (Go to Item 11) B. ☐ Is occurring C. ☐ Has occurred, but stopped

10. RELEASE SIGNIFICANCE CATEGORY: (at the Site Boundary)

A. ☐ Information not available at this time B. ☐ Release within Normal Operating Limits (Tech Specs)

C. ☐ Non-Significant (Fraction of PAG Range) D. ☐ PAG Range (Protective Actions required)

11. UTILITY RECOMMENDED PROTECTIVE ACTIONS FOR THE PUBLIC:

A. ☐ No recommended actions at this time. B. ☐ The utility recommends the following protective actions:

EVACUATE ZONES: _____ OR Miles No Action Evacuate Sectors Shelter Sectors

SHELTER ZONES: _____ 0-2 _____

2-5 _____

C. Consider Issuance of KI: ☐ YES ☐ NO 5-10 _____

If form is completed in the Control Room, go to Item 15. If completed in the TSC or EOF, continue with Item 12.

12. PLANT CONDITIONS:

A. Reactor Shutdown? ☐ YES ☐ NO

B. Core Adequately Cooled? ☐ YES ☐ NO

C. Containment Intact? ☐ YES ☐ NO

D. Core Condition: ☐ Stable ☐ Degrading

13. WEATHER DATA: A. Wind Speed _____ mph B. Stability Class _____

14. ADDITIONAL RELEASE INFORMATION:

A. Noble Gases _____ Curies per second B. Iodines _____ Curies per second

C. Airborne: Date Started ___/___/___ Time Started _____ Date Stopped ___/___/___ Time Stopped _____

D. Liquid: Date Started ___/___/___ Time Started _____ Date Stopped ___/___/___ Time Stopped _____

Distance Projected Thyroid Dose (CDE) for 1 Hour Projected Total Dose (TEDE) for 1 Hour

1 Mile (Site Boundary) E. _____ mrem F. _____ mrem

2 Miles G. _____ mrem H. _____ mrem

5 Miles I. _____ mrem J. _____ mrem

10 Miles K. _____ mrem L. _____ mrem

EC or RM Approval Signature _____ Date ___/___/___ Time _____

15. MESSAGE RECEIVED BY: Name _____ Date ___/___/___ Time _____

2003 STATE NOTIFICATION FORM REVISION 9.doc

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| | | |
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FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

SECTOR REFERENCE:

The chart below can be used to determine sectors affected by a radiological release, through comparison with wind direction from the meteorological recorders in the Control Room.

If the wind direction is directly on the edge of two sectors (e.g., 11°, 33°, 56°, etc.), an additional sector should be added to the protective action recommendations. For example, if the wind direction is from 78°, then the affected sectors for PARs should be L, M, N and P.

SECTOR INFORMATION:

| WIND SECTOR | WIND FROM | DEGREES | WIND TOWARD | SECTORS AFFECTED |
|-------------|-----------|---------|-------------|------------------|
| [A] | N | 348-11 | S | HJK |
| [B] | NNE | 11-33 | SSW | JKL |
| [C] | NE | 33-56 | SW | KLM |
| [D] | ENE | 56-78 | WSW | LMN |
| [E] | E | 78-101 | W | MNP |
| [F] | ESE | 101-123 | WNW | NPQ |
| [G] | SE | 123-146 | NW | PQR |
| [H] | SSE | 146-168 | NNW | QRA |
| [J] | S | 168-191 | N | RAB |
| [K] | SSW | 191-213 | NNE | ABC |
| [L] | SW | 213-236 | NE | BCD |
| [M] | WSW | 236-258 | ENE | CDE |
| [N] | W | 258-281 | E | DEF |
| [P] | WNW | 281-303 | ESE | EFG |
| [Q] | NW | 303-326 | SE | FGH |
| [R] | NNW | 326-348 | SSE | GHJ |

STABILITY CLASSIFICATION REFERENCE:

The below chart can be used to determine atmospheric stability classification for notification to the State of Florida. Primary method is from ΔT via the South Dade (60 meter) tower. Backup method is from Sigma Theta via the Ten Meter Tower. If neither meteorological tower is available, Stability Classification shall be determined using data from National Weather Service (See 0-EPIP-20126, Off-site Dose Calculations).

CLASSIFICATION OF ATMOSPHERIC STABILITY:

| Stability Classification | Pasquill Categories | Primary Delta T (°F) | Backup Sigma Theta Range (Degrees) |
|--------------------------|---------------------|-----------------------------|--|
| Extremely unstable | A | $\Delta T \leq -1.7$ | $ST \geq 22.5$ |
| Moderately unstable | B | $-1.7 < \Delta T \leq -1.5$ | $22.5 > ST \geq 17.5$ |
| Slightly unstable | C | $-1.5 < \Delta T \leq -1.4$ | $17.5 > ST \geq 12.5$ |
| Neutral | D | $-1.4 < \Delta T \leq -0.5$ | $12.5 > ST \geq 7.5$ |
| Slightly stable | E | $-0.5 < \Delta T \leq +1.4$ | $7.5 > ST \geq 3.8$ |
| Moderately stable | F | $+1.4 < \Delta T \leq +3.6$ | $3.8 > ST \geq 2.1$ |
| Extremely stable | G | $+3.6 < \Delta T$ | $2.1 > ST$ |

Meteorological information needed to fill out the Florida Nuclear Plant Emergency Notification Form is available from the Dose Calculation Worksheet (0-EPIP-20126). The Worksheet shall be filled out by Chemistry and given to the Emergency Coordinator.

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EVENT NOTIFICATION WORKSHEET
NRC FORM 361

| | | | | | |
|---|--------------------------|--|---|--|--|
| NRC FORM 361 (12-2000) | | US NUCLEAR REGULATORY COMMISSION OPERATIONS CENTER EN# | | | |
| REACTOR PLANT EVENT NOTIFICATION WORKSHEET | | | | | |
| NRC OPERATION TELEPHONE NUMBER: PRIMARY - 301-818-5100 OR 800-532-3489*, BACKUPS - [1st] 301-951-0550 or 800-449-3694*, [2nd] 301-415-0650 AND [3rd] 301-415-0553. *Licensees who maintain their own ETS are provided these telephone numbers. | | | | | |
| NOTIFICATION TIME | FACILITY OR ORGANIZATION | UNIT | NAME OF CALLER | CALL BACK # | |
| EVENT TIME & ZONE | EVENT DATE | POWER/MODE BEFORE | POWER/MODE AFTER | | |
| EVENT CLASSIFICATIONS | | 1-Hr. Non-Emergency 10 CFR 50.72(b)(1) | | (v)(A) Safe S/D Capability AINA | |
| GENERAL EMERGENCY GEN/AAEC | | TS Deviation ADEV | (v)(B) RHR Capability AINB | | |
| 4-Hr. Non-Emergency 10 CFR 50.72(b)(2) | | (v)(C) Control of Rad Release AINC | | | |
| SITE AREA EMERGENCY SIT/AAEC | | TS Required S/D ASHU | (v)(D) Accident Mitigation AIND | | |
| ALERT ALE/AAEC | | (v)(A) ECCS Discharge to RCS ACCS | (x)(i) Off-site Medical AMED | | |
| UNUSUAL EVENT UNU/AAEC | | (v)(B) RPS Actuation (scrub) ARPS | (x)(ii) Loss Comm/Asmt/Resp ACOM | | |
| 50.72 NON-EMERGENCY (see next columns) | | (v)(C) Off-site Notification APRE | 60-Day Optional 10 CFR 50.73(a)(1) | | |
| PHYSICAL SECURITY (73.71) DDDD | | 8-Hr. Non-Emergency 10 CFR 50.72(b)(3) | Invalid Specified System Actuation AINV | | |
| MATERIAL/EXPOSURE B7?? | | (v)(A) Degraded Condition ADEG | Other Unspecified Requirement (Identify) | | |
| FITNESS FOR DUTY HFIT | | (v)(B) Unanalyzed Condition AUNIA | NONR | | |
| OTHER UNSPECIFIED REQMT. (see last column) | | (v)(A) Specified System Actuation AESF | NONR | | |
| INFORMATION ONLY NNF | | | | | |

DESCRIPTION

Include: Systems affected, actuations and their initiating signals, causes, effect of event on plant, actions or planned, etc. (Continue on back)

| | | | | | | |
|---------------------|--------------------------|--------------------------|--------------------------|---------------------------------------|--|--|
| NOTIFICATIONS | YES | NO | WILL BE | ANYTHING UNUSUAL OR NOT UNDERSTOOD? | <input type="checkbox"/> YES (Explain above) | <input type="checkbox"/> NO |
| NRC RESIDENT | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| STATE(s) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | DID ALL SYSTEMS FUNCTION AS REQUIRED? | <input type="checkbox"/> YES | <input type="checkbox"/> NO (Explain above) |
| LOCAL | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| OTHER GOV AGENCIES | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | MODE OF OPERATION UNTIL | ESTIMATED RESTART DATE: | ADDITIONAL INFO ON BACK |
| MEDIA/PRESS RELEASE | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | CORRECTED: | | <input type="checkbox"/> YES <input type="checkbox"/> NO |

NRC FORM 361 (12-200)

| | | |
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EVENT NOTIFICATION WORKSHEET
NRC FORM 361

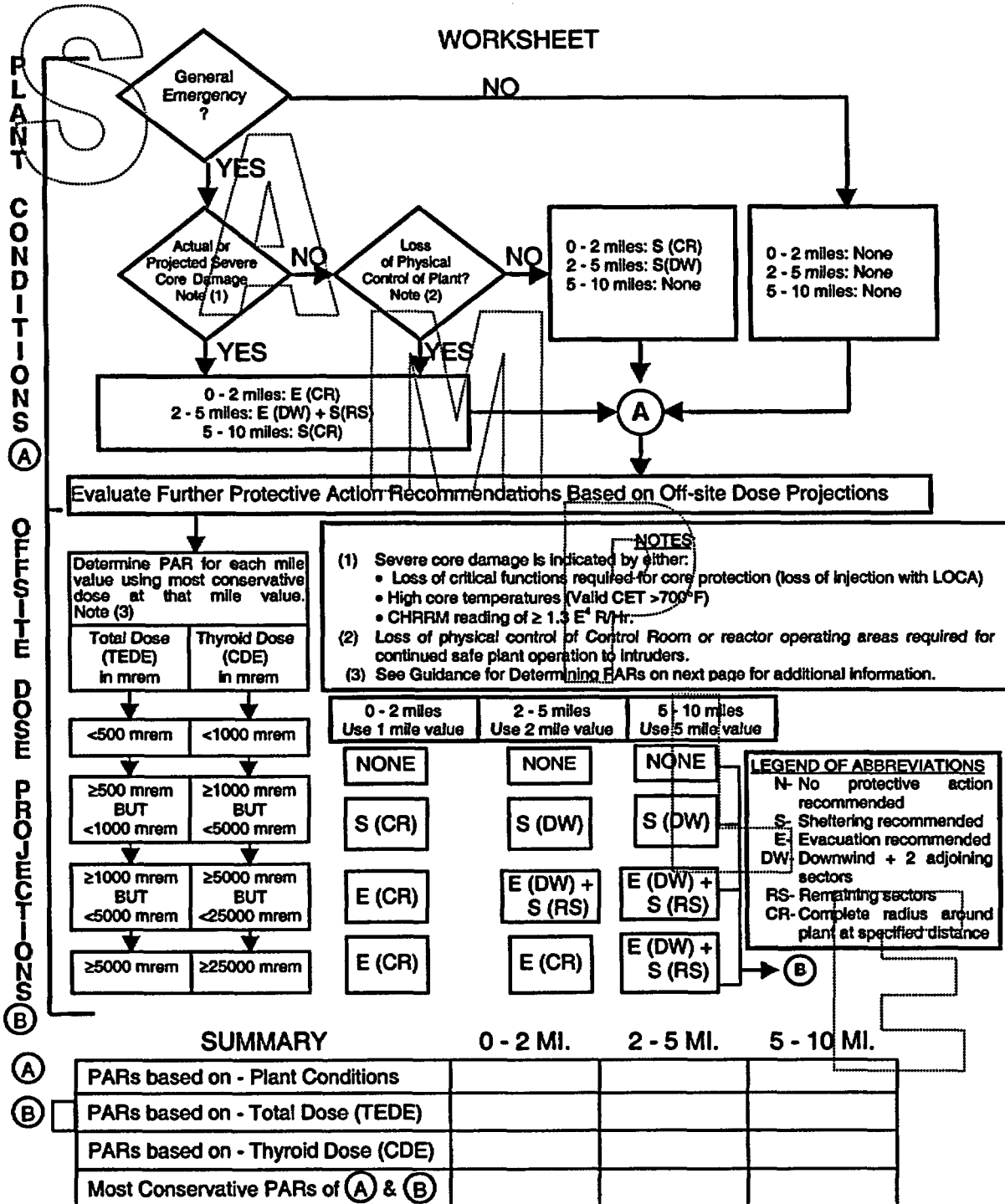
ADDITIONAL INFORMATION

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| | | | | | | |
|--|--|--|--|---|--|-----------|
| RADIOLOGICAL RELEASES: CHECK OR FILL IN APPLICABLE ITEMS (specific details/explanations should be covered in event description) | | | | | | |
| <input type="checkbox"/> LIQUID RELEASE | <input type="checkbox"/> GASEOUS RELEASE | <input type="checkbox"/> UNPLANNED RELEASE | <input type="checkbox"/> PLANNED RELEASE | <input type="checkbox"/> ONGOING | <input type="checkbox"/> TERMINATED | |
| <input type="checkbox"/> MONITORED | <input type="checkbox"/> UNMONITORED | <input type="checkbox"/> OFF-SITE RELEASE | <input type="checkbox"/> T.S. EXCEEDED | <input type="checkbox"/> RM ALARMS | <input type="checkbox"/> AREAS EVACUATED | |
| <input type="checkbox"/> PERSONNEL EXPOSED OR CONTAMINATED | | <input type="checkbox"/> OFF-SITE PROTECTIVE ACTIONS RECOMMENDED | | <input type="checkbox"/> *State release path in description | | |
| | Release Rate (Ci/sec) | % T.S. LIMIT | HOO GUIDE | Total Activity (Ci) | % T.S. LIMIT | HOO GUIDE |
| Noble Gas | | | 0.1 Ci/sec | | | 1000 Ci |
| Iodine | | | 10 uCi/sec | | | 0.01 Ci |
| Particulate | | | 1 uCi/sec | | | 1 mCi |
| Liquid (excluding tritium and dissolved noble gases) | | | 10 uCi/min | | | 0.1 Ci |
| Liquid (tritium) | | | 0.2 Ci/min | | | 5 Ci |
| Total Activity | | | | | | |
| | PLANT STACK | CONDENSER/AIR EJECTOR | MAIN STEAM LINE | SG BLOWDOWN | OTHER | |
| RAD MONITOR READINGS: | | | | | | |
| ALARM SETPOINTS: | | | | | | |
| % T.S. LIMIT (if applicable) | | | | | | |
| RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS: (specific details/explanations should be covered in event description) | | | | | | |
| LOCATION OF THE LEAK (e.g., SG #, valve, pipe, etc) | | | | | | |
| LEAK RATE: | UNITS: gpm/gpd | T.S. LIMITS: | SUDDEN OR LONG TERM DEVELOPMENT: | | | |
| LEAK START DATE: | TIME: | COOLANT ACTIVITY AND UNITS: | <input type="checkbox"/> PRIMARY | <input type="checkbox"/> SECONDARY | | |
| LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL: | | | | | | |
| EVENT DESCRIPTION (Continued from front) | | | | | | |
| <div style="font-size: 100px; line-height: 1;">L</div> <div style="font-size: 100px; line-height: 1;">E</div> | | | | | | |

ATTACHMENT 3
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GUIDANCE FOR DETERMINING
PROTECTIVE ACTION RECOMMENDATIONS (PARS)

WORKSHEET



| | | |
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**GUIDANCE FOR DETERMINING
PROTECTIVE ACTION RECOMMENDATIONS (PARS)**

FPL is required to provide county and state governmental authorities with recommendations for protective action to be taken by the public during radiological emergencies at the Turkey Point Nuclear Plant. The responsible authorities are the State Division of Emergency Management (DEM), Miami-Dade County Office of Emergency Management and Monroe County Office of Emergency Management.

Protective Action Recommendations (PARs) should be made utilizing all of the available data. This includes plant status, off-site dose projections and/or field monitoring data. The more conservative recommendations should be made.

Beginning at the top left side, answer the **General Emergency** question. If yes, continue on, following the arrows, and answering the other question blocks. Record the PARs based on Plant Condition (A) in the Summary Block at the bottom of the page. From the PAR based on Plant Condition's block continue following arrow to next box, and determine PARs based on Off-site Dose Projections (B) Total Dose (TEDE) and Thyroid Dose (CDE). In determining PARs, both plant conditions AND off-site doses must be considered for all PARs. If a release has not occurred, then proceed with issuance of PARs from the plant condition determination.

To determine PARs from off-site doses, find the blocks that correspond with the Total Dose (TEDE) and Thyroid Dose (CDE) at 1, 2 and 5 miles from the Dose Calculation Worksheet (0-EPIP-20126). Follow across to the column that indicates the distance where that dose was found i.e., first block for 1 mile, second block for 2 miles, or third block for 5 miles. (B) Record the PARs based on Off-site Doses in the Summary Block. Once PARs are determined for all mile sectors for both Total Dose (TEDE) and Thyroid Dose (CDE) (B), then a comparison with the Plant Condition PARs (A) is performed, and the most conservative PARs for each mile sector is selected for issuance to off-site agencies.

The following example is provided:

EXAMPLE

A release has occurred at the Turkey Point Plant. The wind direction is from the SSE and the projected off-site accumulated Thyroid Dose (CDE) is 5,000 mrem at 1 mile, 1,000 mrem at 2 miles, and less than 1,000 mrem at 5 miles. The plant is in a General Emergency with CHRRM at 100 R/hr, no core damage indicators, and no loss of physical control of the plant.

| | | |
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GUIDANCE FOR DETERMINING PROTECTIVE ACTION RECOMMENDATIONS (PARS)

Using the PAR Worksheet, the following recommendations should be made:

Based on our current assessment of all the information now available to use, Florida Power & Light Company recommends that you consider taking the following protective actions.

- A. EVACUATE all people between 0 and 2 miles from the plant.
- B. SHELTER all people between a 2 and 5 mile radius from the plant who are in Sectors Q, R and A (refer to Attachment 1).
- C. No protective actions is recommended between a 5 and 10 mile radius from the plant.

Due to the large political and legal ramifications of these recommendations and the potential impact on FPL, the following guidelines, format and content should be used.

- (1) If the emergency has not been classified as a GENERAL EMERGENCY and the off-site doses are LESS THAN 500 mrem Total Dose (TEDE) or 1,000 mrem Thyroid Dose (CDE) at 1 mile over the projected duration of the release, no protective action is recommended. When reporting to DEM and other off-site agencies who inquire, this should be reported in a manner similar to the following:

Based on our urgent assessment of all the information now available to us, Florida Power & Light Company recommends that you consider taking the following protective actions - NONE. This recommendation may change in the future, but we cannot now say when it may change or what the change may be.

- (2) When available, both plume calculation and off-site monitoring results should be evaluated when making protective action recommendations. If significant discrepancies exist between field monitoring results and plume dispersion calculations, then the discrepancy should be reviewed, and the appropriate value should be selected in the determination of protective action recommendations.

| | | |
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**GUIDANCE FOR DETERMINING
PROTECTIVE ACTION RECOMMENDATIONS (PARS)**

- (3) Thyroid Dose (CDE) Limits for PARs are based on adult thyroid. These limits are consistent with EPA Guidelines based on the following criteria:
 - a. uncertainty and potential errors associated with age specific parameters, and
 - b. level of conservatism in the adult values.
- (4) Loss of physical control of the plant to intruders shall be determined by the Emergency Coordinator based on the current operating mode requirements of the unit/plant, and the availability of equipment required for continued safe operation.

FINAL PAGE