

FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT
E-PLAN IMPLEMENTING PROCEDURE NO. 3100021E
REVISION 17

(1/2) HALF REVISION 17 REPLACED WITH WHOLE
REVISION 17 50-335 LTR 12-06-84
#8412270139 REPLACED 02-01-85 QCH

1.0 TITLE:

DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

2.0 APPROVAL:

Reviewed by Plant Nuclear Safety Committee July 25, 1975

Approved by _____ Plant Manager July 29, 1975

Revision 17 Reviewed by Facility Review Group 9-14 1984

Approved by [Signature] V.P. Nuclear Energy 11-8 1984

3.0 SCOPE:

3.1 Purpose:

This procedure provides the instructions to be followed by the Emergency Coordinator when an emergency occurs that requires the implementation of the Emergency Plan.

3.2 Discussion:

3.2.1 The Nuclear Plant Supervisor and the shift operating staff represent the first-line of response to any developing emergency condition. The primary responsibility of the Nuclear Plant Supervisor is to control the condition as well as possible. The Nuclear Plant Supervisor becomes the Emergency Coordinator upon initiation of the Emergency Plans and, as such, directs the On-Site Emergency Organization to bring the emergency under control. The primary route of communication to the off-site, non-FPL organization is the Hot Ring down "Red Phone" with NAWAS as the alternate. Additional alternates are listed in EPIP 3100023 E, Emergency Roster.

3.2.2 As conditions warrant, the Emergency Coordinator should identify someone from the existing plant staff or TSC if operational, (preferably a licensed Operator) to assist in Control Room activities such as communications (i.e., notification, telephone and radio), check off lists and logbook entries. This should allow the EC to more adequately manage the situation.

3.3 Authority:

This procedure implements the St. Lucie Plant Radiological Emergency Plan.

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4.0 PRECAUTIONS:

- 4.1 The Emergency Plan and Procedures requires prompt classification of the emergency (in accordance with E-Plan Implementing Procedure 3100022E, Classifications of Emergencies) and notifications of designated off-site authorities as well as FPL's Off-Site Emergency Organization (see Figure 1 for notification flow).
- 4.2 The Emergency Coordinator can delegate his responsibilities at his discretion with the exception of the decision to notify state and local authorities and the content of that notification. The actual notification can be done by the EC's assistant. When the TSC is operational, the Emergency Coordinator can delegate all off-site communications to the TSC Supervisor.
- 4.3 During exercises, drills or tests, ALL MESSAGES shall begin and end with "THIS IS A DRILL" or "THIS IS AN EXERCISE".
- 4.4 Protective action recommendations to state and local authorities CANNOT be delegated by the Emergency Coordinator, however, these recommendations become the responsibility of the Recovery Manager when the Emergency Operating Facility is manned and operational.
- 4.5 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 and 5 miles in the downwind sectors".
- 4.6 If the GENERAL EMERGENCY has been declared due to loss of physical control of the plant to intruders, including the Control Room or any other area(s) vital to the operation of the reactor system (as defined in the Security Plan), the minimum protective action recommendation shall be: "Evacuate all people within a 2 mile radius from the plant".

5.0 RESPONSIBILITIES:

- 5.1 If the Nuclear Plant Supervisor is incapacitated, the Emergency Coordinator shall be (in order of succession):
 - 5.1.1 Assistant Nuclear Plant Supervisor
 - 5.1.2 Any other Reactor Control Operator with a Senior Reactor Operator License.
- 5.2 The Emergency Coordinator shall grant permission for watch relief, including his own, only when it is safe in his judgement to do so.
- 5.3 The Plant Manager, Operations Superintendent, or the Operations Supervisor may assume the Emergency Coordinator function following proper turnover.

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5.0 RESPONSIBILITIES: (Continued)

- 5.4 If the TSC is activated, the Technical Support Center Supervisor shall fill out the checklist for Notification of Significant Events (to NRC) as soon as possible after activating the TSC and preferably before calling the NRC.
- 5.5 The Emergency Coordinator is responsible for providing protective action recommendations to off-site authorities. This responsibility cannot be delegated, but becomes the responsibility of the Recovery Manager when the Emergency Operations Facility is manned and operational.

6.0 REFERENCES:

- 6.1 St. Lucie Plant Radiological Emergency Plan
- 6.2 E-Plan Implementing Procedures, as follows:
- EPIP-3100022E - Classification of Emergencies.
 - EPIP-3100026E - Criteria for and Conduct of Evacuations.
 - EPIP-3100033E - Off-Site Dose Calculation.

7.0 RECORDS:

All significant information, events, and actions taken during the emergency period shall be recorded as directed by the Emergency Coordinator.



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8.0 INSTRUCITONS:

8.1 Classification

Immediately upon becoming aware of an abnormal condition, the Nuclear Plant Supervisor shall classify the condition in accordance with the criteria given in E-Plan Implementing Procedure 3100022E, Classification of Emergencies. If the classification is, UNUSUAL EVENT, ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY, the Nuclear Plant Supervisor shall declare an emergency and become the Emergency Coordinator. The Emergency Coordinator shall, until relieved, remain in the affected unit's Control Room at all times during emergency situations that require Emergency Plan implementation unless, in his opinion, his personal evaluation of the situation is necessary to maintain plant safety.

- 8.2 The Emergency Coordinator shall mobilize the On-Site Emergency Organization to begin required corrective actions. As conditions warrant, the Emergency Coordinator should identify and assign tasks to an assistant.

8.3 CHECKLISTS

8.3.1 If the situation is a Plant/Radiological Emergency, utilize the Plant/Radiological Emergency Checklist (Page 6).

8.3.2 If the situation is a fire or explosion, utilize the Fire or Explosion Emergency Checklist (Page 12).

8.3.3 If the situation is a medical emergency with or without contamination, utilize the Medical Emergency Checklist (Page 16).

- 8.4 Responsibilities for off-site communications and coordination shall be relinquished first to the Technical Support Center Supervisor and then to the Recovery Manager when the EOF is staffed and operational.

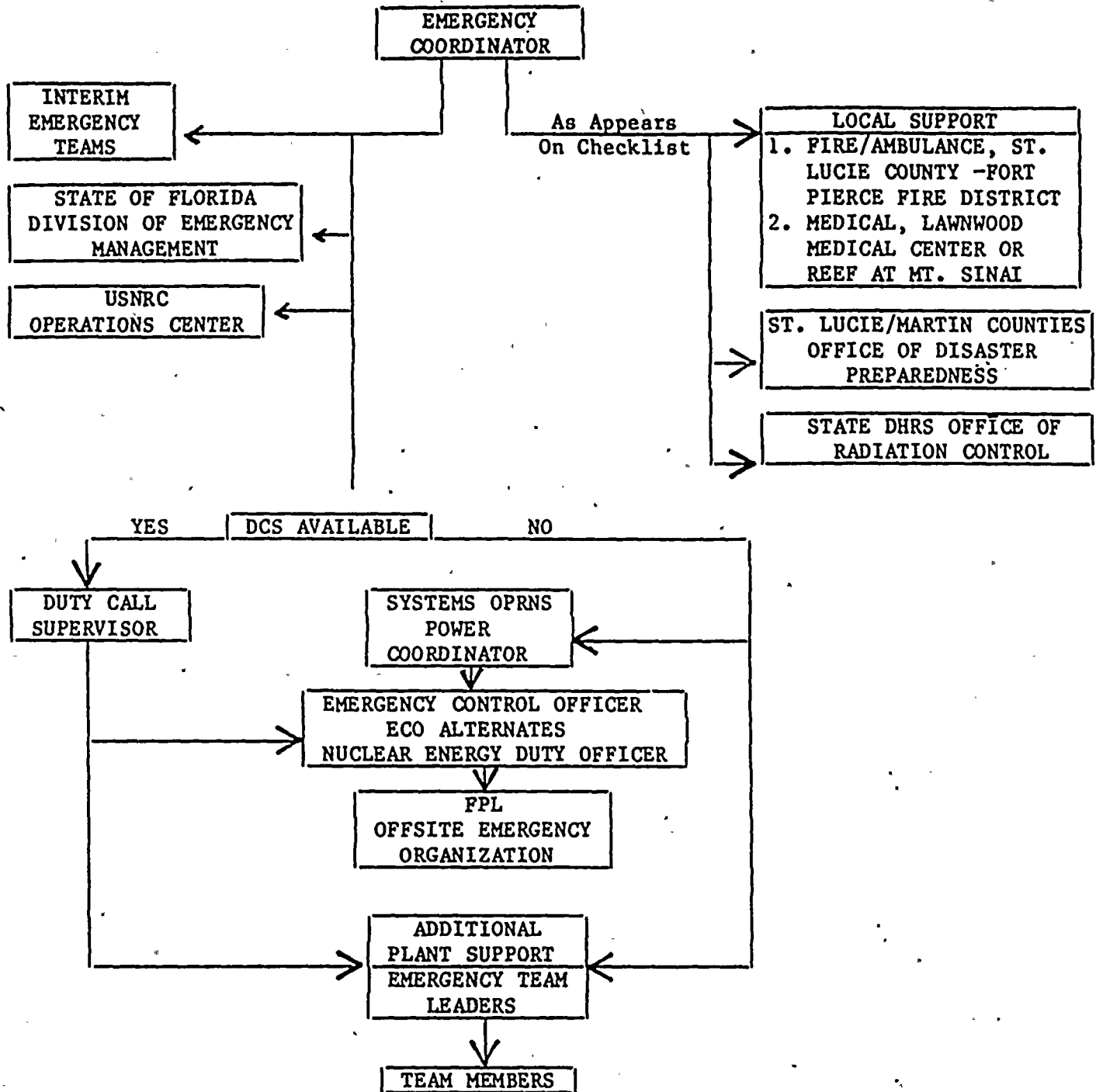
8.5 OFF-SITE PROTECTIVE ACTION RECOMMENDATIONS

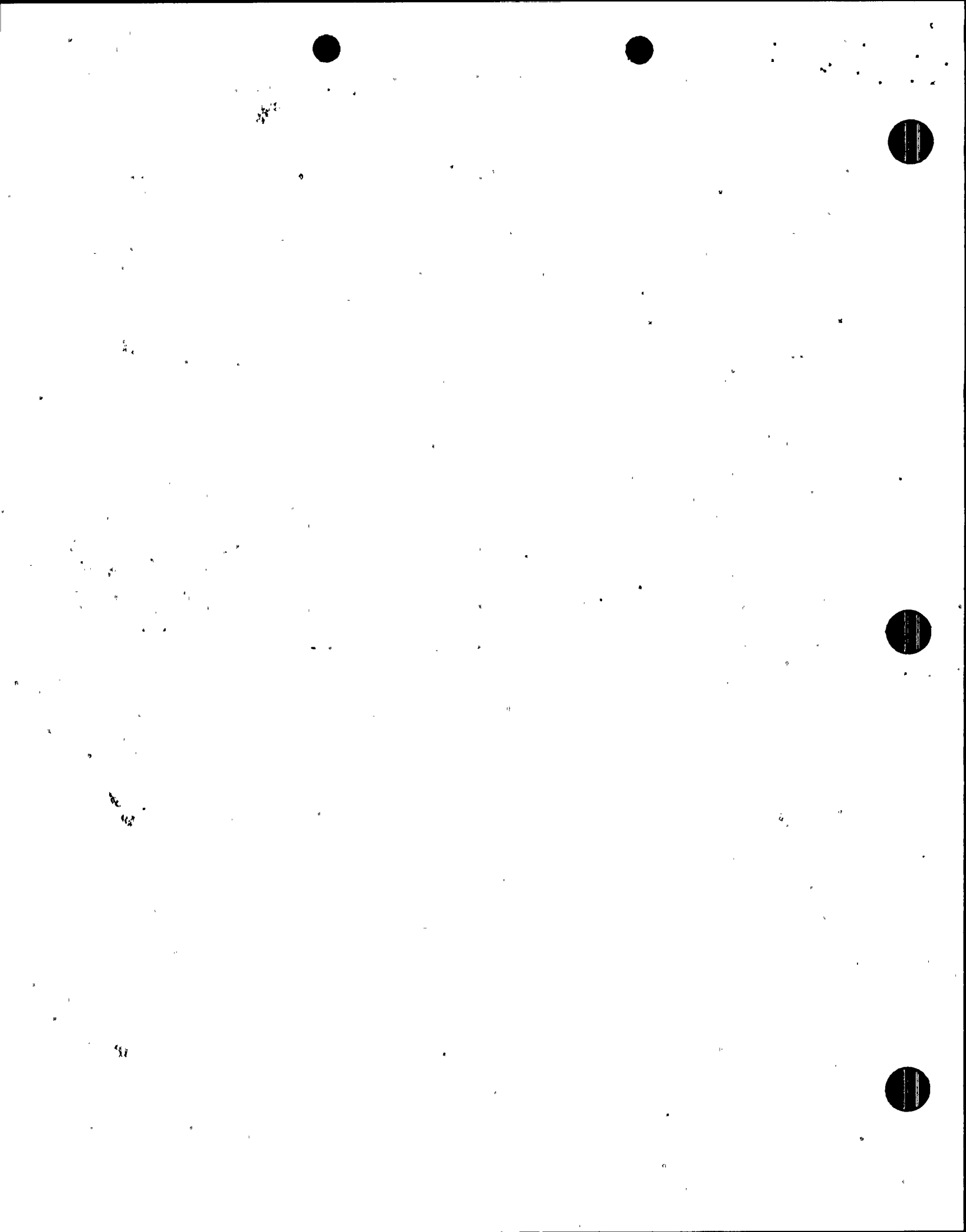
The Emergency Coordinator is responsible for providing protective action recommendations to off-site authorities as indicated on Pages 19 through 24, "Guidelines for Protective Action Recommendations to Off-site Authorities". When the Recovery Manager has indicated that the Emergency Operations Facility is manned and operational, the Recovery Manager can relieve the Emergency Coordinator of this responsibility.



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**FIGURE 1
INITIAL NOTIFICATION FLOW**





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PLANT/RADIOLOGICAL EMERGENCY CHECKLIST

Date _____
 Seq. # _____

Class at Time of	Unusual Event	Alert	Site Area	General
D Declaration	D _____	D _____	D _____	D _____
E Escalation		E _____	E _____	E _____

TIME _____

_____ 1. Order initial corrective action per Emergency Operating Procedures.

IF UNUSUAL EVENT - SKIP TO STEP 7

_____ 2. Notify personnel of the emergency condition over the Unit #1 and/or #2 PA system, giving location, class, and type of emergency.

_____ Repeat Announcement

IF SITE AREA OR GENERAL - SKIP TO STEP 4

_____ 3. If the evacuation of an area is necessary, initiate a local evacuation in accordance with E-Plan Implementing Procedure 3100026E, Criteria for and Conduct of Evacuations.

Announce the following:

_____ Areas to be evacuated

_____ Areas to be avoided, if possible, during the Evacuation

_____ Assembly Area

IF ALERT SKIP TO STEP 7

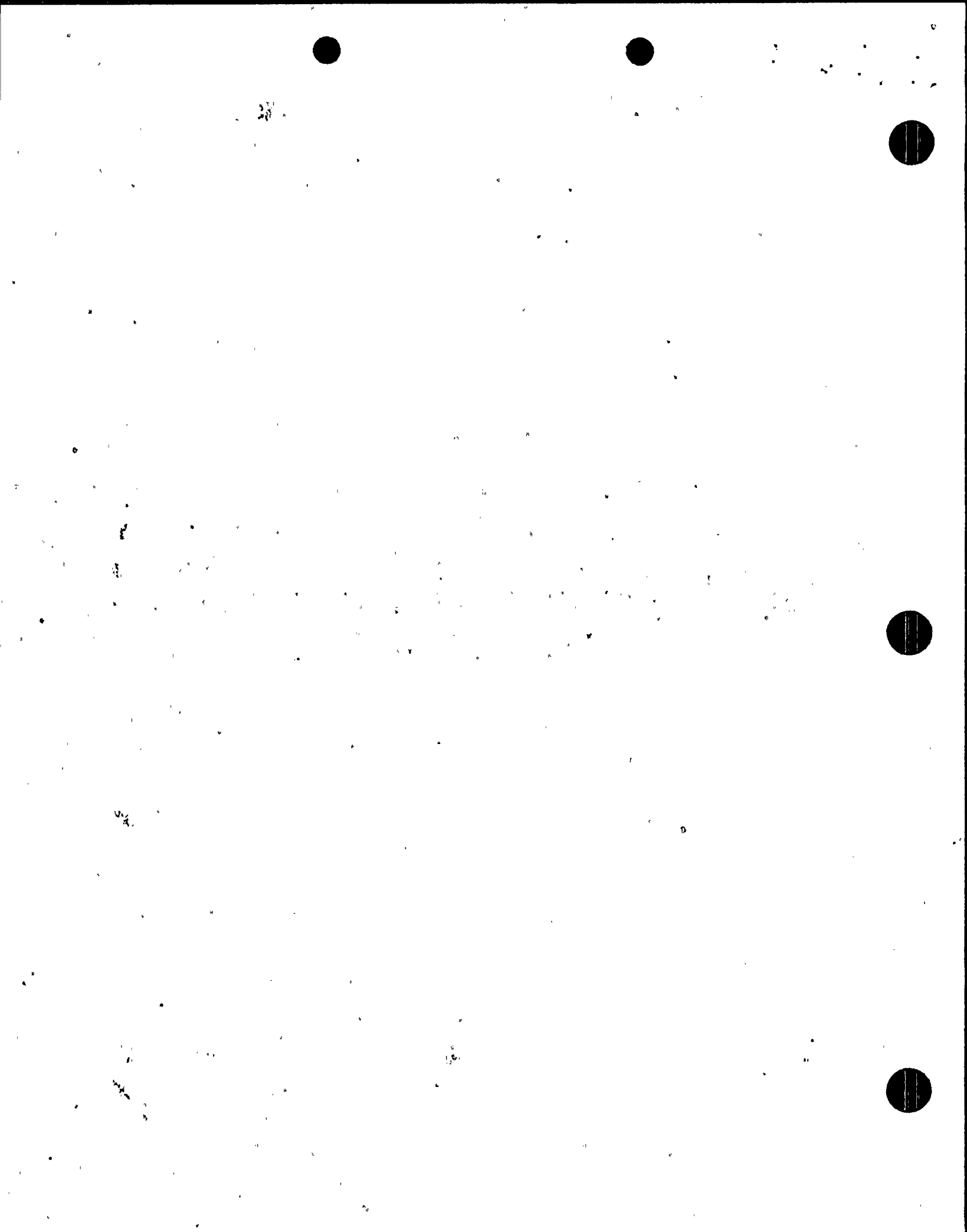
_____ 4. Sound Site Evacuation Alarm. Order all non essential personnel to commence evacuation of the owner controlled area, specify evacuation route/assembly area.

_____ 5. Repeat PA announcement.

_____ 6. Order Security Team Leader to evacuate Owner Controlled Area and to report personnel accountability as soon as possible.

_____ 7. Mobilize Interim Emergency Teams to respond as necessary.

_____ 8. Commence preparation of the Notification Message Form (pages 7, and 8) including Protective Action Recommendations (Ref. pgs 19 to 24) and (if available) off-site dose data via EPIP 3100033E.



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STATE OF FLORIDA NOTIFICATION MESSAGE FORM NUCLEAR POWER PLANTS
(Page 1 of 2)

1. A. TIME/DATE _____ / _____ B. Reported by (NAME/TITLE) _____

2. SITE

- [B] St. Lucie Unit 1
- [C] St. Lucie Unit 2

3. ACCIDENT CLASSIFICATION

- [A] NOTIFICATION OF UNUSUAL EVENT [C] SITE AREA EMERGENCY
- [B] ALERT [D] GENERAL EMERGENCY

4. EMERGENCY DECLARATION Time: _____ Date _____

5. INCIDENT DESCRIPTION or UPDATE: _____

6. INJURIES: [A] Contaminated/Number _____ [B] Non-Contaminated/Number _____

7. SITUATION INVOLVES: (NOTE: If A, go to Item 13. If B, C, or D, continue with rest of form.)

- [A] No Release [C] A release is occurring--Expected Duration _____
- [B] Potential (Possible) Release [D] A release occurred, but Stopped--Duration _____

8. TYPE OF RELEASE IS: (Blanks are for specific nuclides or gases, i.e., I-131, Cs-137)

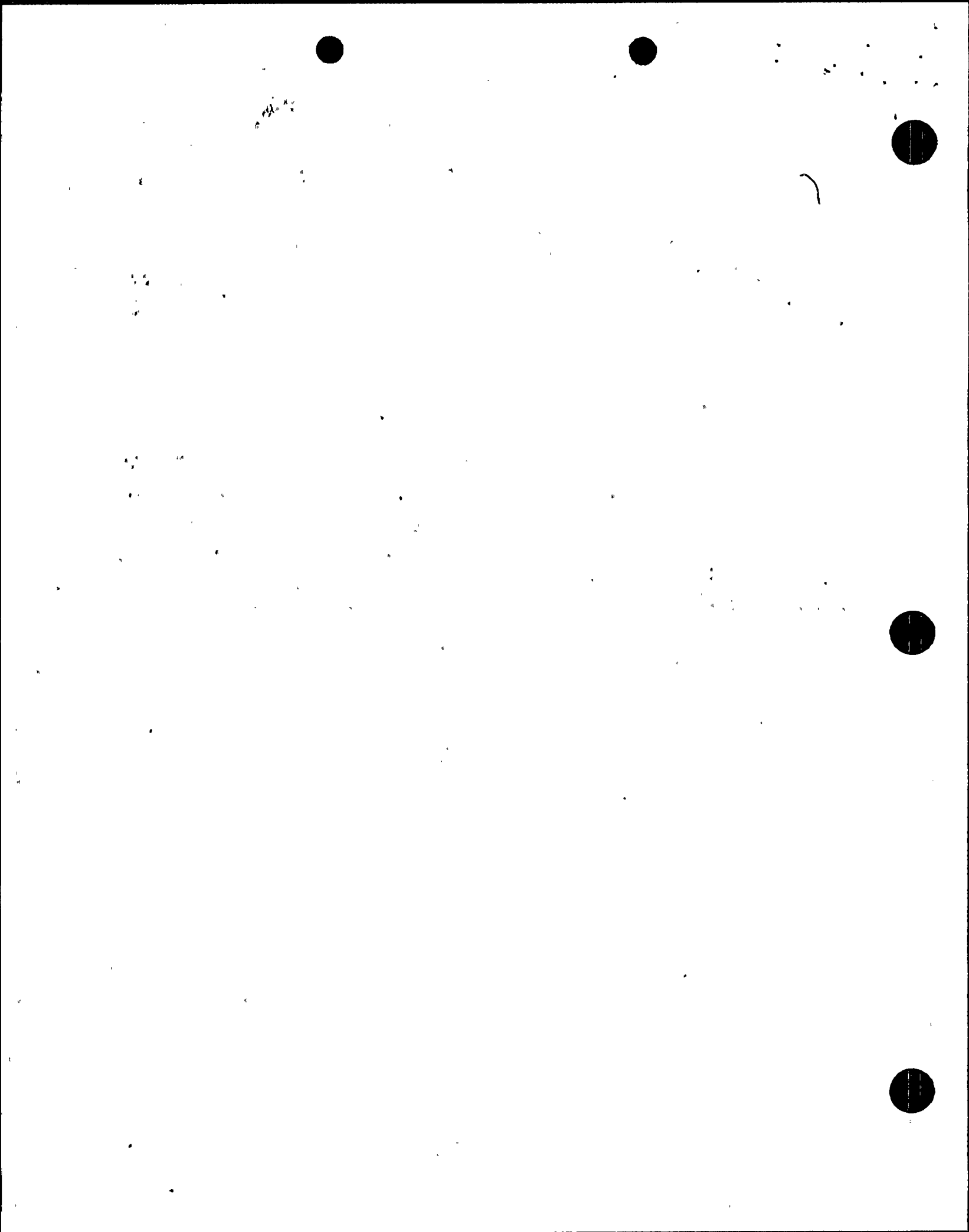
- [A] Radioactive Gases _____ [D] Radioactive Solids _____
- [B] Radioactive Airborne Particulates _____ [E] Non-Radioactive Gases _____
- [C] Radioactive Liquids _____ [F] Other _____

9. RELEASE RATE:

		NOBLE GASES		IODINES
Default (A)	_____	Curies per second	(C)	_____ Curies per second
Measured (B)	_____	Curies per second	(D)	_____ Curies per second

10. ESTIMATE OF PROJECTED OFFSITE DOSE RATE:

<u>DISTANCE</u>	<u>THYROID (mrem/hr)</u>	<u>WHOLE BODY (mrem/hr)</u>
1 mile (site boundary)	_____	_____
2 miles	_____	_____
5 miles	_____	_____
10 miles	_____	_____



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STATE OF FLORIDA NOTIFICATION MESSAGE FORM FOR NUCLEAR POWER PLANTS
(Page 2 of 2)

11. METEOROLOGICAL DATA (AT 10 METERS):

[A] Wind Direction (from) _____ Degrees [C] Wind Speed _____ MPH
[B] Sectors Affected _____ [D] Stability Class _____

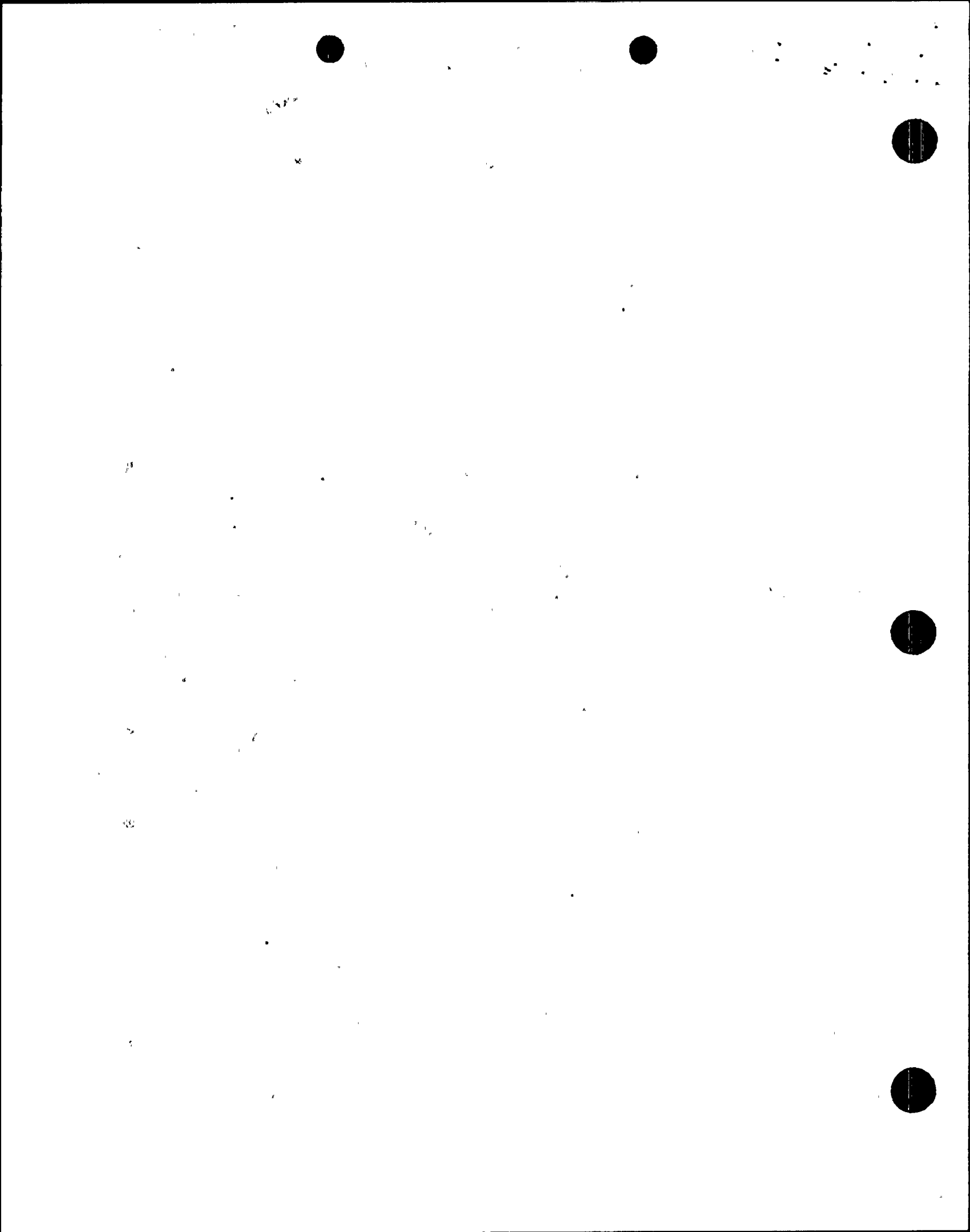
12. RECOMMENDED PROTECTIVE ACTIONS:

[A] No recommendations at this time.
[B] Notify the public to take the following protective actions:
(NOTE: If message refers to radius, use the word "ALL" under Sectors.)

<u>MILES</u>	<u>NO ACTION</u>	<u>SHELTER/SECTORS</u>	<u>EVACUATE/SECTORS</u>
0--2	_____	_____	_____
2--5	_____	_____	_____
5--10	_____	_____	_____
10-__	_____	_____	_____

EVENT TERMINATED: [A] NO: _____ [B] YES: Time _____ Date _____

14. MESSAGE RECEIVED BY: _____ Time _____ Date _____
NAME OF STATE PERSON



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PLANT/RADIOLOGICAL EMERGENCY CHECKLIST
 (continued)

- _____ 9. During business hours, notify the Plant Manager. During off hours and weekends relay information to the Duty Call Supervisor (see NPS Bulletin Board for scheduled supervisor and telephone number). Order him to notify the following:

_____ Plant Manager
 _____ Operations Superintendent
 _____ Operations Supervisor
 _____ Technical Department Supervisor
 _____ Emergency Control Officer (or Nuclear Energy Duty Officer as last alternate)

NOTE

If Duty Call Supervisor is unavailable - Notify Emergency Control Officer via Systems Operations Power Coordinator.

_____ Other Department Supervisors (Primary Team Leaders)

- _____ 10. Notify the following within 15 minutes of classifying the emergency contact:

10.1 Division of Emergency Management (DEM): Use "STATE" Red Phone, dial _____ when answered announce:

/R17

"State Warning Point Tallahassee, this is St. Lucie * _____"
 (State Warning Point will give a go-ahead)

"State Warning Point Tallahassee, this is St. Lucie * _____"
 * _____, repeat * _____"

*Enter appropriate site, class.

(ALTERNATE METHOD): NAWAS, using above announcement:

State Warning Point will call the Control Room via Commercial Phone to validate the notification. After validation, transfer the information on the Notification Message Form (pages 7 and 8) via "STATE" Red Phone or (as alternate, NAWAS).

State Warning Point Acknowledgement Time _____

- _____ 10.2 By telephone, the State Radiological Duty Officer at Office of Radiation Control in Orlando at (they have a beeper service for full time coverage). When the Duty Officer is contacted, transfer the information on the Notification Message Form (pages 7 and 8).

IF UNUSUAL EVENT OR ALERT, SKIP TO STEP 12



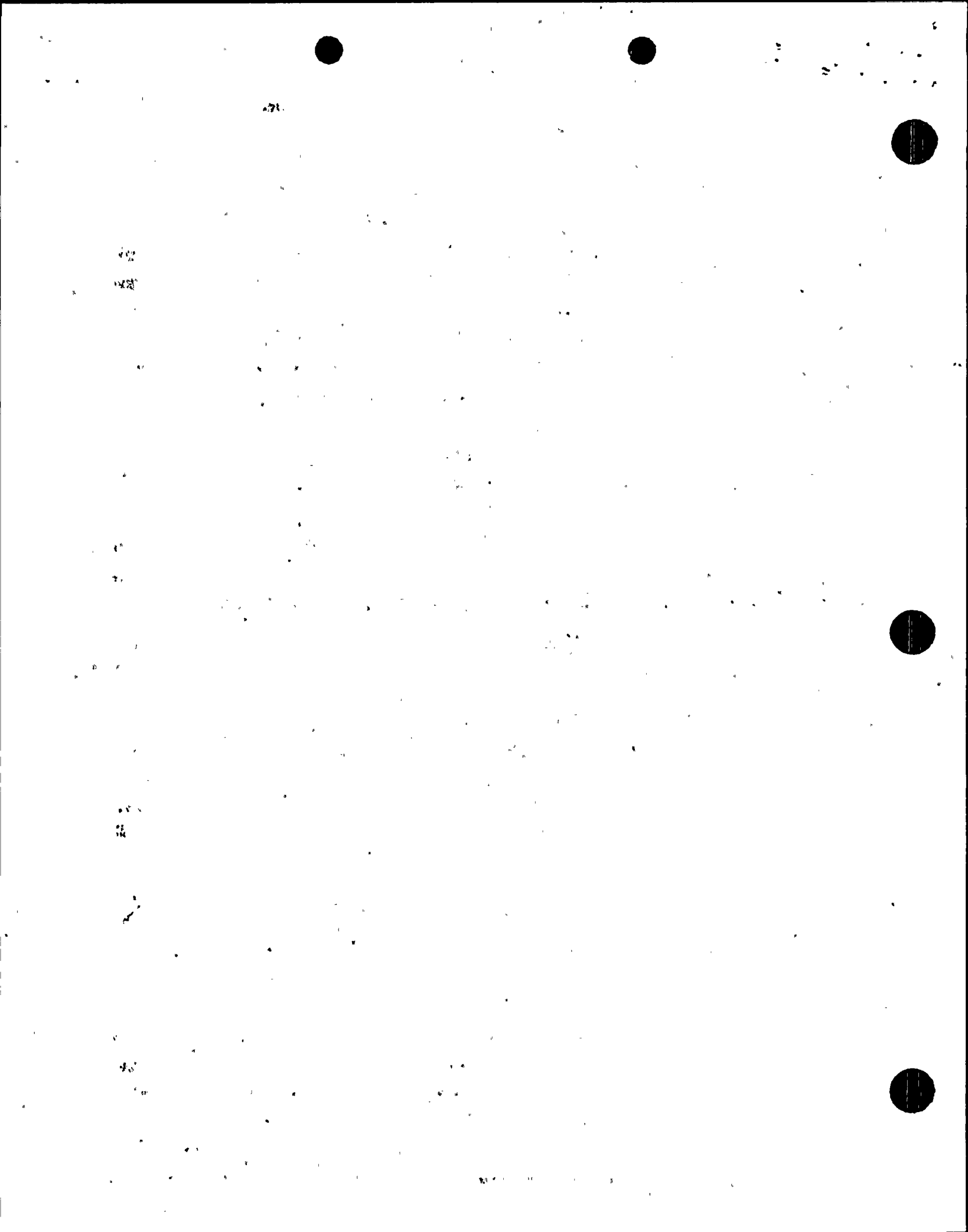
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PLANT/RADIOLOGICAL EMERGENCY CHECKLIST
(continued)

- _____ 11. Via DEM using "STATE" Red Phone (NAWAS alternate), contact St. Lucie and/or Martin County Disaster Preparedness. Inform them that site evacuation has started, location of assembly area(s), evacuation route(s). Notify them when evacuation is completed. /R17
- _____ 12. Prepare attached SIGNIFICANT EVENT REPORT (Page 11) and notify NRC via hot-line (within one hour). (To be done by TSC if properly staffed)

IF UNUSUAL EVENT, SKIP TO STEP 18

- _____ 13. Verify from Security Team Leader that the evacuation (if ordered) has been completed and all personnel are accounted for.
- _____ 14. Reassess corrective and protective actions. Verify activities underway, reassign personnel and teams as necessary.
- _____ 15. Activate the Technical Support Center and the Operations Support Center.
- _____ 16. Brief the Technical Support Center Supervisor on events. Order him to update state and county periodically and to refine dose projections when the Chemistry Department representative arrives.
- _____ 17. Relinquish responsibilities for communications with off-site support agencies to the EOF when the Recovery Manager notifies the Emergency Coordinator that the EOF staff accepts these responsibilities.
- _____ 18. Reassess the Emergency Classification and if the situation escalates, recycle the Plant/Radiological Emergency Checklist, excluding those entries already completed.



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SIGNIFICANT EVENT REPORT
(for NRC Notification)

Date _____ Time _____
Facility Name Florida Power & Light St. Lucie Unit (applicable Unit)
Caller Name _____

1. Description of Event _____

Classification of Event _____

Reactor Systems Status _____

Pressure _____ Temperature _____ Power level _____

Flow _____ ECCS Operating/Operable _____
(Pumps on)

PZR or RX Level _____ Cooling Mode _____

Any Radioactive Release or Increased Release? _____

Path _____ Stopped? _____ Release Rate _____

Monitored? _____

Steam Plant Status: S/G Levels _____

Equip. Failures _____ Feedwater Source/Flow _____

Electrical Dist. Status: Normal Off-site Power Sources
Available? _____

Major Busses/Loads Lost _____

Safeguards Busses Power Source _____

D/G Running? _____ Loaded? _____

Personnel Casualties/Contamination? _____

2. Consequences of Event: _____

Actual and Potential Safety Hazards: _____

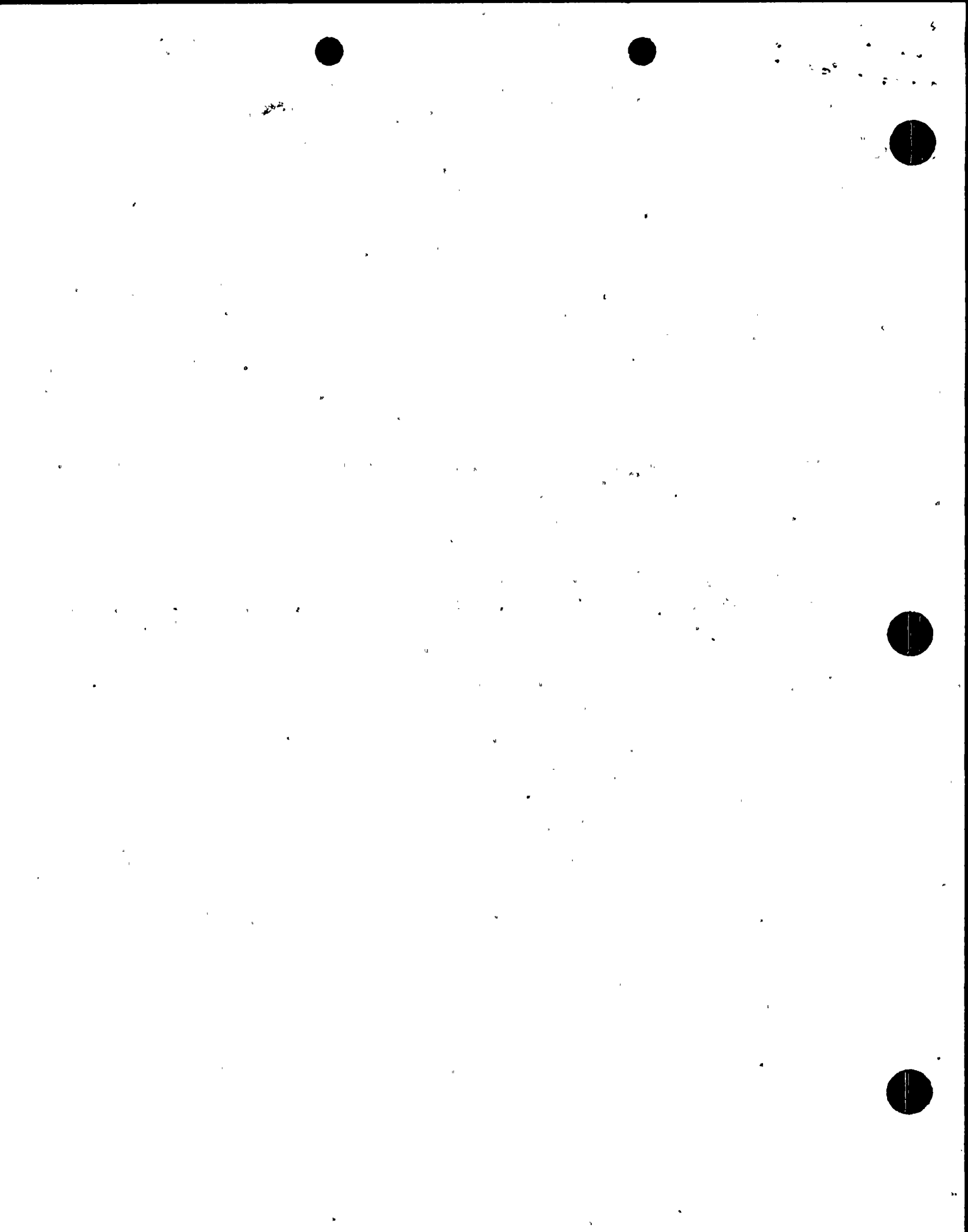
Tech. Spec. Violations? _____

State Notified? _____ Press Release Planned? _____

3. Cause of Event: _____

Corrective Actions taken: _____

Planned: _____



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FIRE OR EXPLOSION EMERGENCY CHECKLIST

1. CLASS: Unusual Event _____ (time) Alert _____ (time)
 Site Area Emergency _____ (time)

TIME

- _____ 2. Order initial corrective action per Emergency Operating Procedures.
- _____ 3. Sound Fire Alarm.
- _____ 4. P.A. Announcement of location and extent of fire.
- _____ 5. Activate the Fire Brigade and other appropriate emergency teams in accordance with Fire Emergencies EPIP 3100025E via a PA announcement.
- _____ 6. If the evacuation of an area is necessary, initiate a local evacuation in accordance with EPIP 3100026E, "Criteria for and Conduct of Evacuations". Announce the following:
- _____ Area to be evacuated
- _____ Areas to be avoided during the evacuation, if possible
- _____ Assembly area
- _____ 7. If off-site assistance is necessary call St. Lucie County - Ft. Pierce Fire District PHONE No. 911.
- _____ 8. Prepare the following Notification Form:

