

Frederick W. Schneider

Public Service Electric and Gas Company 80 Park Plaza Newark, N.J. 07101 201/430-7373

Vice President

Production

July 24, 1981

Mr. Boyce H. Grier, Director
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, PA 19406

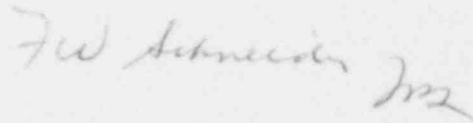
Gentlemen

PROMPT NOTIFICATIONS AND INSTRUCTIONS TO THE
PUBLIC IN THE EVENT OF AN EMERGENCY
NO. 1 AND 2 UNITS SALEM GENERATING STATION
DOCKET NO'S 50-272 AND 50-311

On July 2, 1981 in a letter to the Director of Nuclear Reactor Regulation (Enclosure 1), we requested a temporary exemption from 10CFR 50, Appendix E, Section IV.D.3. We also included a description of the compensating actions taken until the system is installed, a description of our unforeseen procurement problem and our schedule for completion of the siren system.

In response to your letter of July 1, 1981 we are providing additional information on past, present and projected prompt notification milestones (Enclosure 2).

Sincerely,



CC Mr. Brian Grimes, Director
Division of Emergency Preparedness
Washington, D.C. 20555



ENCLOSURE 1

MR. BOYCE H. GRIER

JULY 24, 1981



ANo 8107080517

Public Service Electric and Gas Company 80 Park Plaza, T16D Newark, N.J. 07101 201/430-8217

Robert L. Mittl
General Manager - Licensing and Environment

July 2, 1981

Director of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Mr. Steven A. Varga, Chief
Operating Reactors Branch 1
Division of Licensing

Gentlemen:

PROMPT NOTIFICATION SYSTEM
REQUIREMENT OF 10 CFR 50
NO. 1 AND 2 UNITS
SALEM NUCLEAR GENERATING STATION
DOCKET NO. 50-272 AND 50-311

We hereby request a temporary exemption from the Prompt Notification System requirements of 10 CFR 50, Appendix E (IV. D.3). Due to a delay in the shipment of sirens from the manufacturer, we have been unable to complete installation and testing of the Prompt Notification System for the Plume Exposure Emergency Planning Zone of our Salem Nuclear Generating Station prior to July 1, 1981 as required by the regulation.

We anticipate delivery of the equipment necessary to complete the installation of a Prompt Notification System which meets the objectives of NUREG-0654, Appendix 3 (B.2) by July 24, 1981.

Based upon our installation and testing experience with the nine sirens already received, we expect completion of installation and testing of the remaining twenty-four sirens by October 1, 1981. Enclosed you will find a copy of Section 6.0 of our Emergency Plan for Salem Nuclear Generating Station which describes our proposed Prompt Notification System and the compensatory actions being taken until the Prompt Notification System is fully operational.

Very truly yours,

A handwritten signature in dark ink, appearing to be "RLM", written over a horizontal line.

6.0 NOTIFICATION METHODS - RESPONSE ORGANIZATIONS

6.1 Notification

Initial Notification - PSE&G

The initial notification to the emergency response organization is in accordance with Figure 6-1 and Figure 6-2.

Initial Notification - States

The initial notifications to the States are made to the State Police Headquarters of New Jersey and Delaware. Upon completion of the initial message each State Police Headquarters verifies the call by performing a call back check and then makes the notifications indicated in Figure 6-3 and 6-4.

The procedures for initial notifications to the States of New Jersey and Delaware are identical for all classes of emergency. This notification will be made promptly following the declaration of the emergency by the Senior Shift Supervisor/EDO (within 15 minutes). The message format for this initial notification is provided as in EP I-1, I-2, I-3 and I-4. These notifications contain the elements of NUREG 0654 E-3.

Follow-up Communications - States

The follow-up communication with the States is initiated by the return call from the State assessment agency.

For the State of New Jersey the Department of Environmental Protection is responsible for follow-up communications.

For the State of Delaware the Emergency Planning and Operations Division is responsible for follow-up communications.

The procedures for follow-up communications with the States of New Jersey and Delaware are identical for all classes of emergency. The message format for follow-up communications is provided in Addenda A of the Emergency Procedures. These notifications contain the elements of NUREG 0654 E-4.

Alternate Communications - General Emergency

Arrangements have been made to promptly contact the local (county) authorities directly in the event of a General Emergency if state assessment capacity is not activating and in place. (See Section 7.0)

Accident assessment, protective action recommendations, and other information normally provided to the State will be communicated to the local (county) authorities (or other agencies as provided for in the Memorandum of Understanding with the State) directly until the State assessment agency assumes their accident communications and assessment responsibility.

Notification of the NRC

This plan provides for notification of the NRC for the events listed in Table 5-1 thru 5-4.

6.2 Prompt Alerting and Notification of the Public

The disposition of the land use within Salem Generating Station's Plume Exposure Pathway EPZ is principally rural. The area within five miles of the station is largely water and marsh land. This area is not a seasonal recreation area and attracts only a limited number of hunters and trappers most of whom are local residents. The towns and cities within ten miles of Salem Generating Station are listed in Table 1-2.

The method for prompt alerting and notification of the public currently in use consists of sirens (fire & Civil Defense) and Emergency Broadcast System (EBS) messages. The EBS message format used by the States is provided in the state emergency plans for New Jersey and Delaware.

This system is augmented by the use of house to house alerting. The evacuation study provided as Attachment 11-1 was undertaken using the existing alerting methods as the basis for notification.

An integrated system utilizing tone actuated radios and/or sirens will be used to notify the public within the Plume Exposure Pathway EPZ.

The system for Prompt Alerting and Notification will consist of three subsystems. The first subsystem for prompt notification consists of a key individuals and facilities notification system which will be independent of the local telephone system. This system will utilize a local radio station's (24 hours/day redundant transmitters with backup power supply) subcarrier. The purpose of this system is to provide the Utility with a means for dissemination of accurate printed or voice information simultaneously to selected locations.

The second Prompt Alerting and Notification subsystem consists of an upgraded siren system controlled from a single continuously (24 hour) staffed location in each county (Salem, Cumberland, Kent and New Castle). Additionally this upgrade will replace selected sirens which have a limited tone or dB level capability with appropriate multitone high performance units and place new sirens in appropriate locations. Within zero to five miles of Salem Generating Station this system will provide siren coverage for essentially 100% of the permanent resident population. In addition it will provide siren coverage of population centers throughout the Plume Exposure EPZ. The system will also provide selected coverage for areas of known recreational or transient populations within the Plume Exposure EPZ. An area map showing this system is provided as Figure 6-5.

The third Prompt Alerting and Notification subsystem combines alerting, notification and information into a single system. This system which will be made available to selected residents within the Plume Exposure EPZ after a complete evaluation of the effectiveness of the siren system has been made and will consist of a tone actuated radio system which is activated by the EBS tone.

Once the Prompt Alerting and Notification System is installed and operational a re-analysis of the evacuation times will be made.

Prompt Alerting and Notification of the transient population within the Plume Exposure EPZ will utilize the Prompt Alerting and Notification System for the permanent resident population. The States of Delaware and New Jersey have established methods for augmenting the Prompt Alerting and Notification system which will provide additional assurance that transients will be notified in the event of an emergency requiring implementation Protective Actions for the public. In general, the agencies in charge of parks and recreation, Marine Police and the State Police will assist in the notification of transients within their jurisdiction. The alerting and notification of transients may utilize motor vehicles, air craft, boats or road blocks. Agency personnel assigned these alerting and notification duties may use powered megaphones or direct communication to alert and notify the transient population. The methods to be used for informing the transient population of the alerting and notification system and their required response is provided in Section 8.0 of this plan.

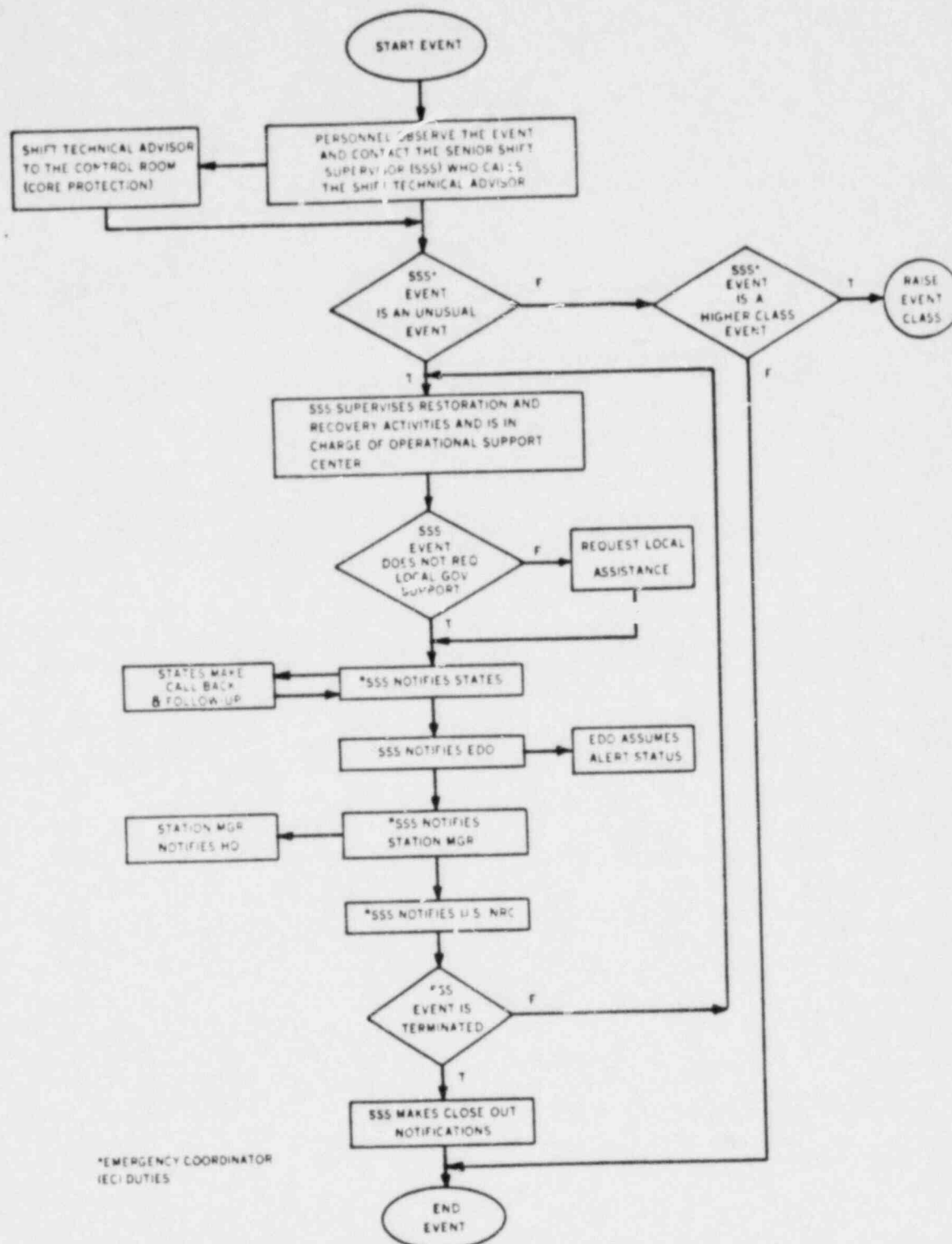


FIGURE 6.1 (1 OF 4) NOTIFICATION METHOD - UNUSUAL EVENT

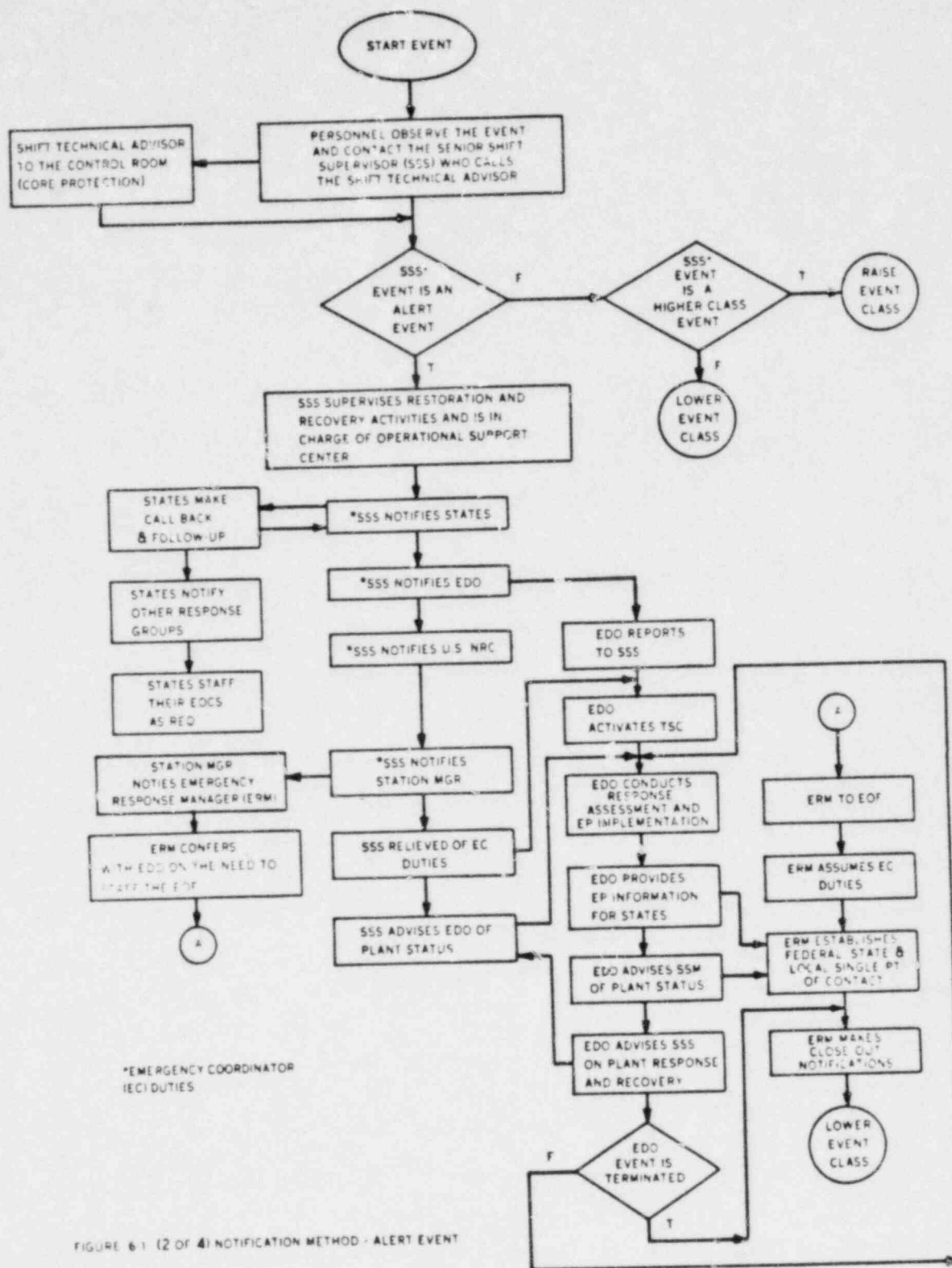


FIGURE 6-1 (2 OF 4) NOTIFICATION METHOD - ALERT EVENT

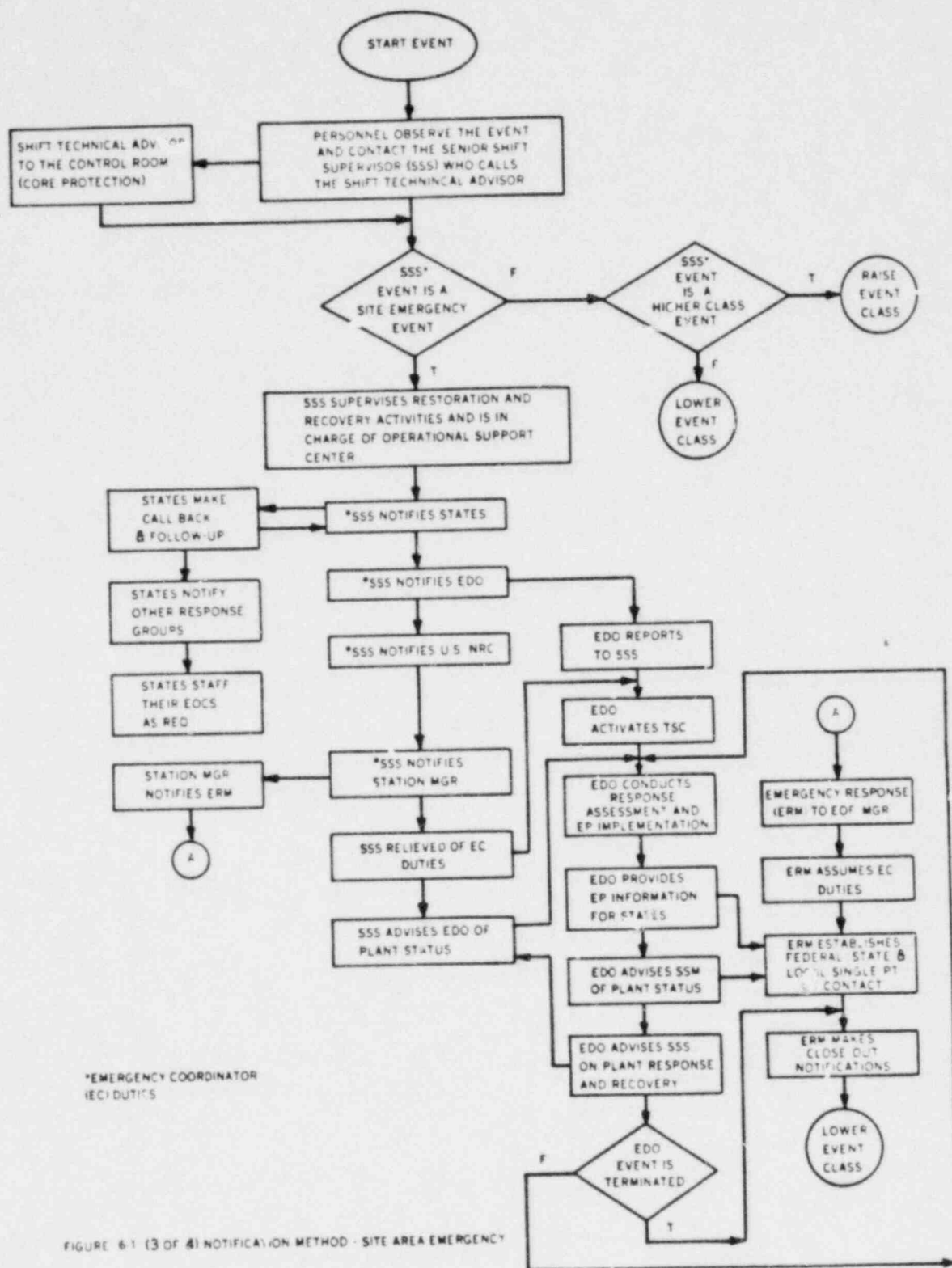


FIGURE 6-1 (3 OF 4) NOTIFICATION METHOD - SITE AREA EMERGENCY

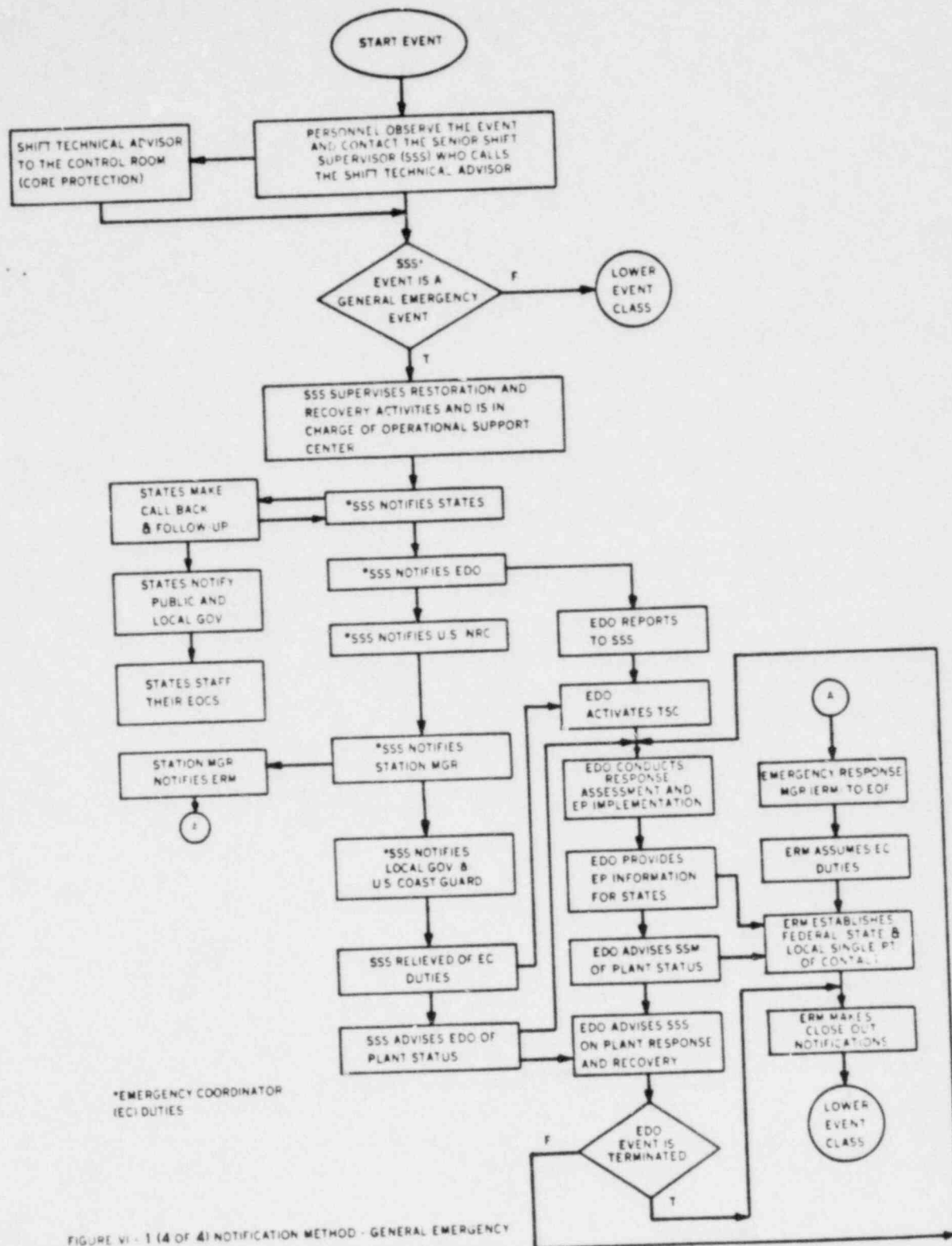


FIGURE VI - 1 (4 OF 4) NOTIFICATION METHOD - GENERAL EMERGENCY

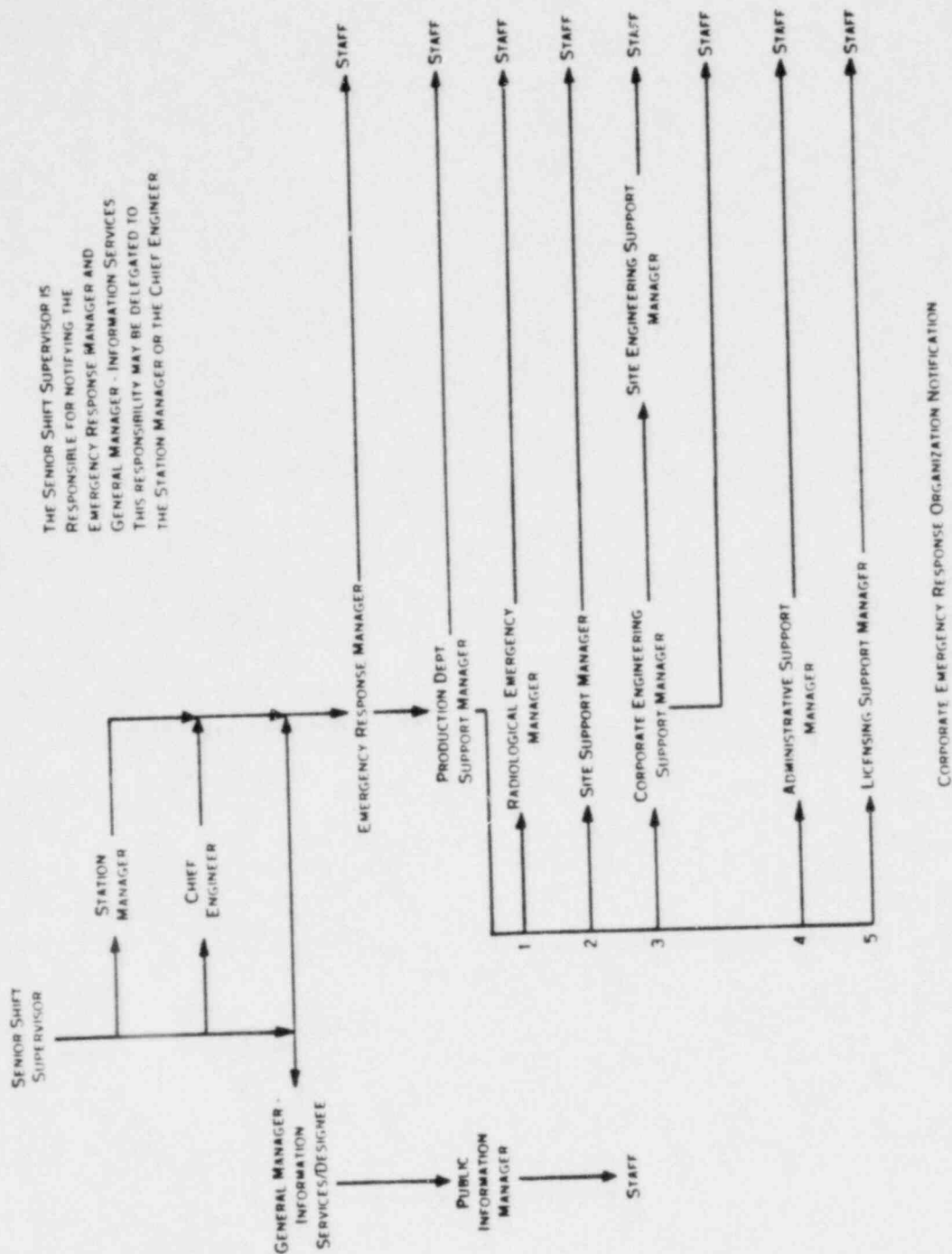


Fig. 6-2 Corporate Emerg. Response Notification

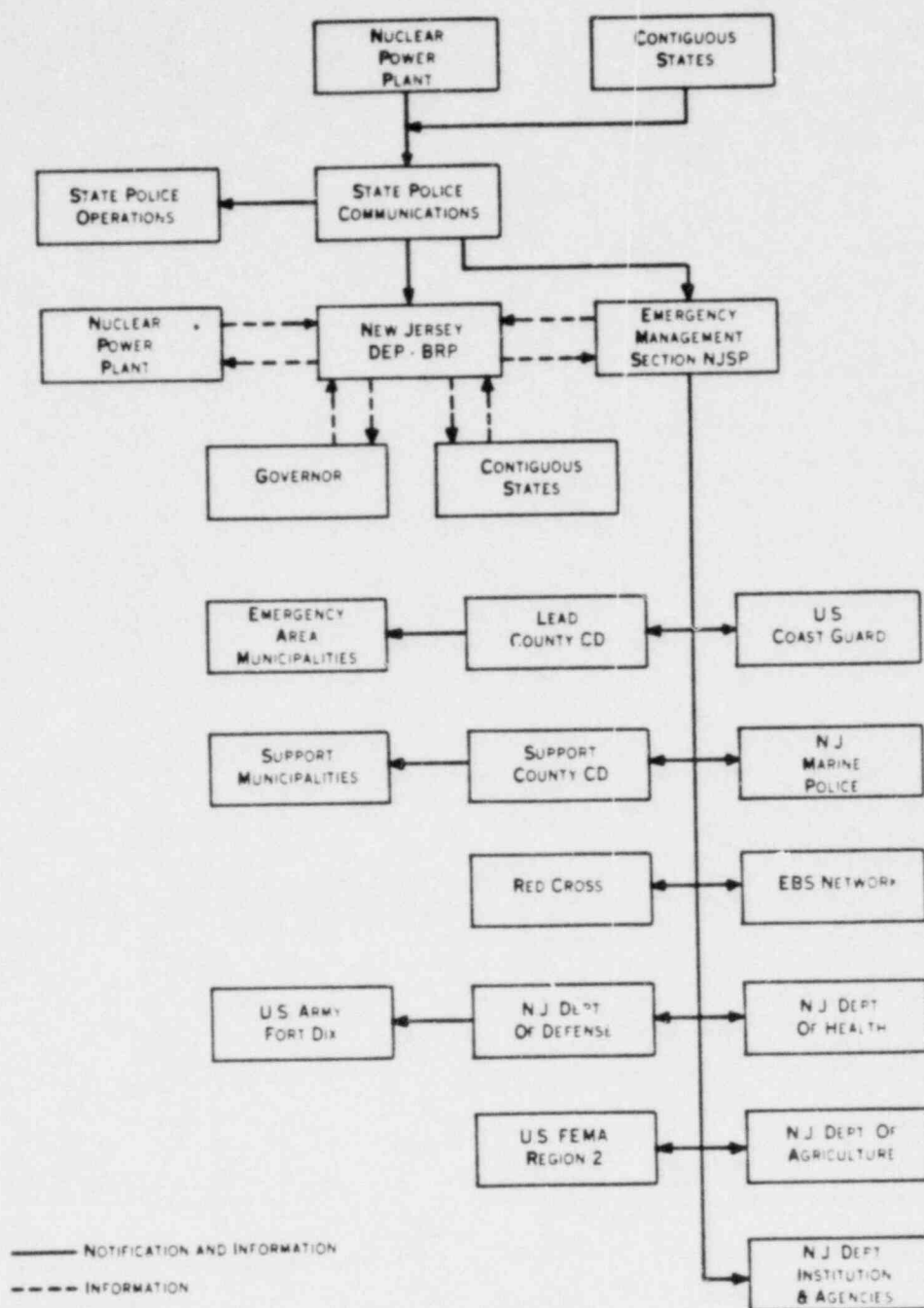


Figure 6-3 Notification Method- New Jersey

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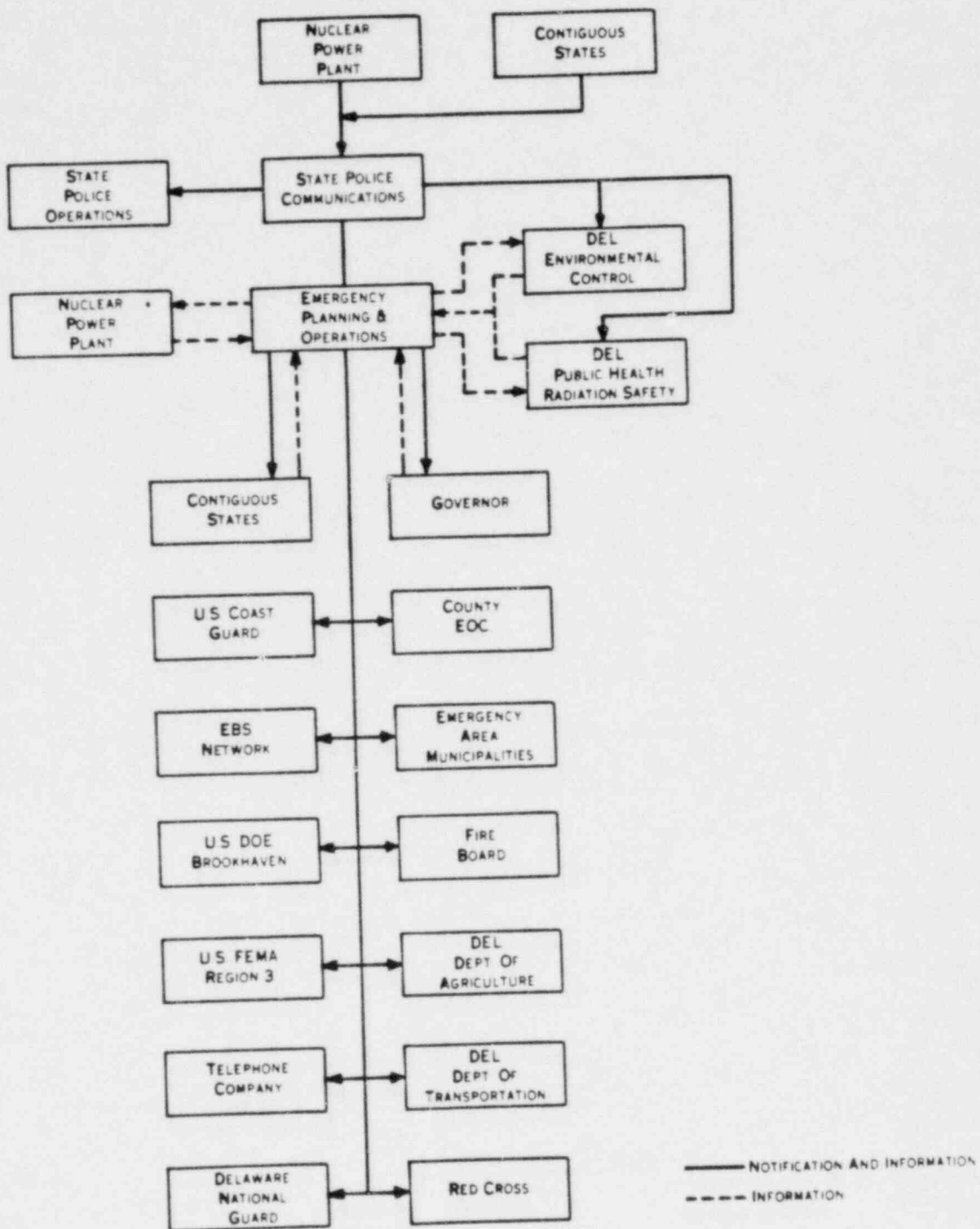


Figure 6-4 Notification Method- Delaware

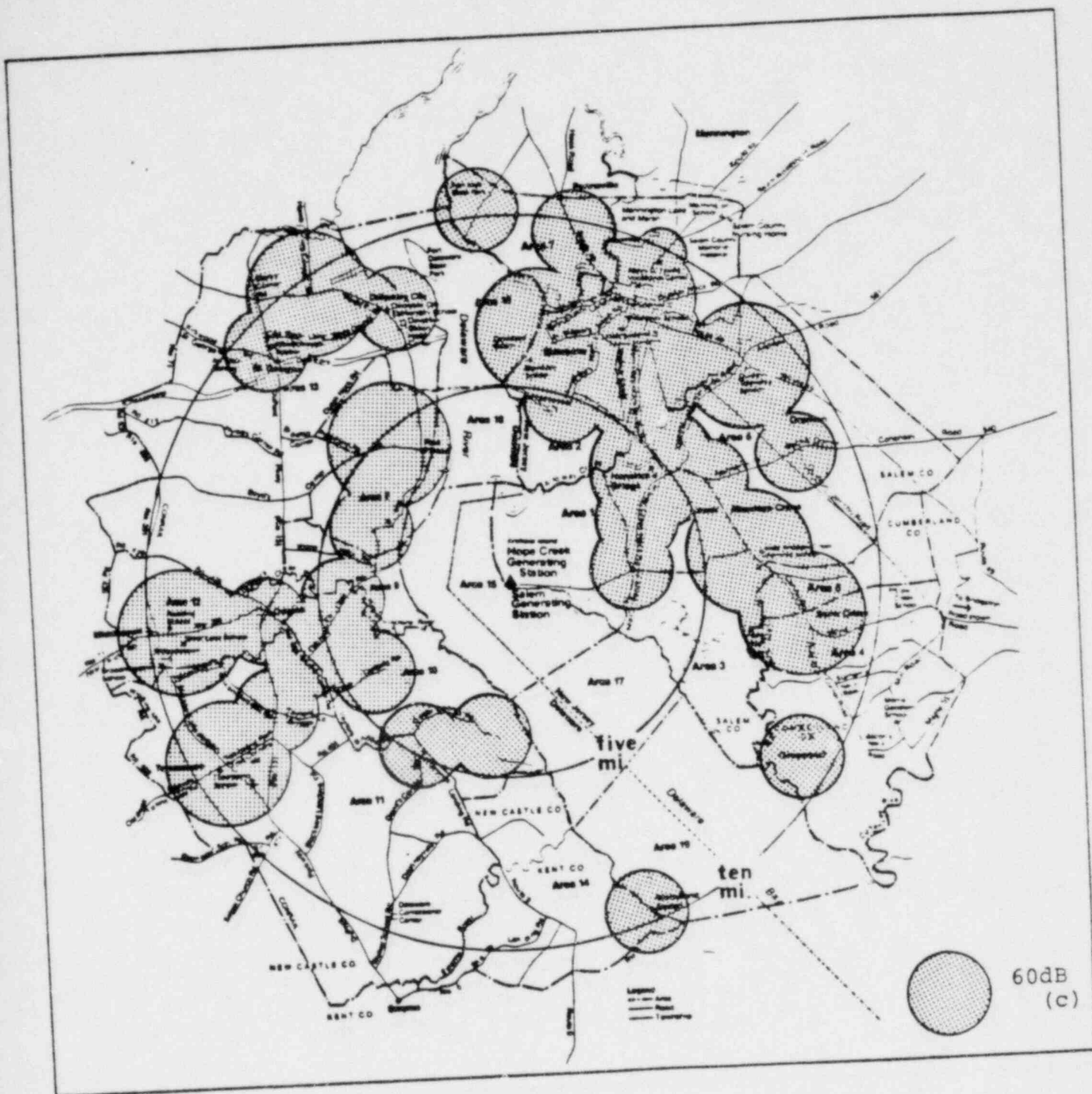
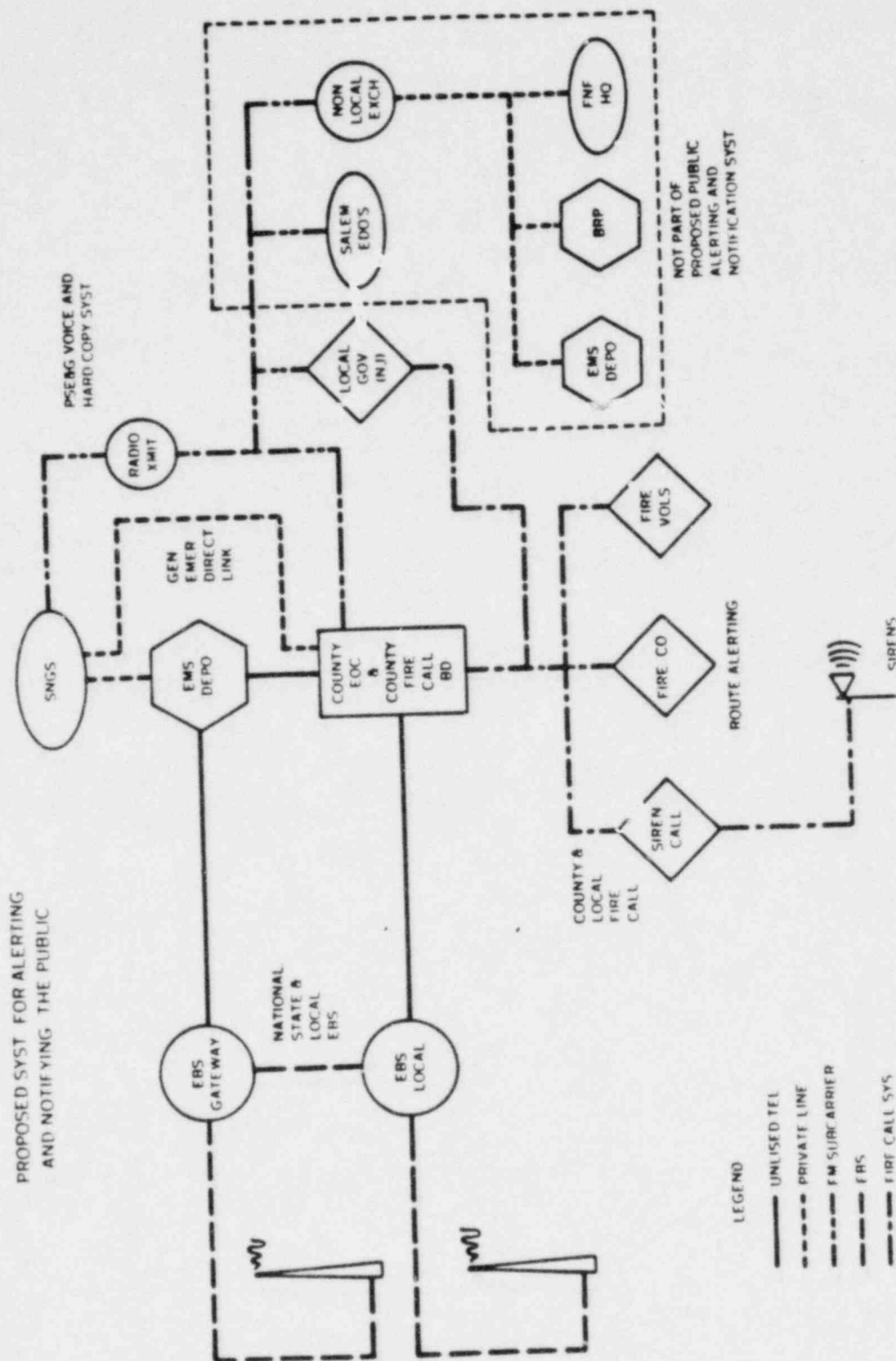


FIG. 6-5 Proposed Siren System Coverage For Plume Exposure EPZ Of Salem Generating Station (Area Approximate)

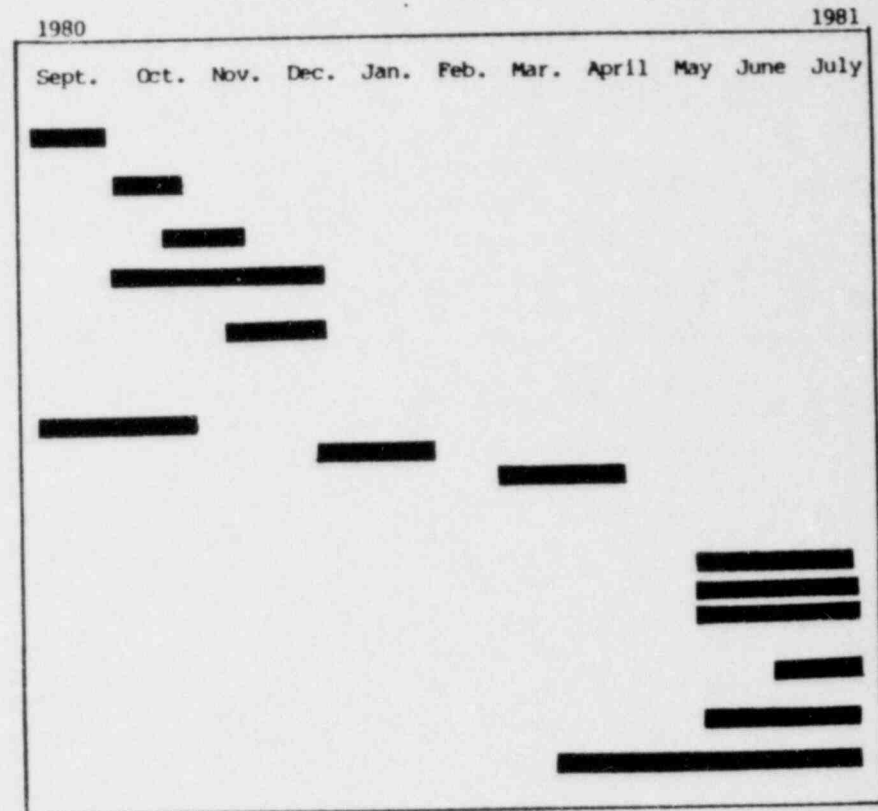


Proposed System For Alerting And Notifying The Public

Figure 6-6 Proposed System For Prompt Notification

TABLE 6-1
SCHEDULE
PROMPT NOTIFICATION SYSTEM

1. Complete Conceptual Design
 2. Request for Proposal Issued
 3. Receive Bid
 4. NRC Reviews Notification System Proposal
 5. Bid Evaluation and Contractor/Consultant selection
 6. Procurement:
 - Basic Radio System (Notification of Key Individuals)
 - Siren System Upgrade (Notification of Public)
 - Expanded Radio System (Notification of Public)
 7. Installation:
 - Basic Radio System (Notification of Key Individuals)
 - Siren System Upgrade (Notification of Public)
 - Expanded Radio System (Notification of Public)
 8. Performance testing and final acceptance.
 9. Procedures development and training.
 10. Public awareness and education
- 1/ If required to meet prompt notification of public.



SNGS
Units 1&2
108d(1):21

TABLE 6-1 SCHEDULE - PROMPT NOTIFICATION SYSTEM

6.13

Rev 0

ENCLOSURE 2

MR. BOYCE H. GRIER

JULY 24, 1981

Mr. Boyce H. Grier, Director
U.S. Nuclear Regulatory Commission

ENCLOSURE 2

SIREN SYSTEM UPGRADE

(Designed to meet requirements of NUREG 0654 APPENDIX 3 (B.2))

	<u>Completed</u>
1. Existing Siren System and Route Alerting in use to notify public of natural or manmade emergencies	-
2. Siren Survey (Federal Signal Corporation)	6/27/80
3. Atlantic City Electric Company field survey (power availability and sites)	7/22/80
4. Delmarva Electric field survey (power availability and sites)	7/22/80
5. Survey report received from Federal Signal	9/22/80
6. Purchase of Equipment	
a. Sirens (ACA)	2/6/81
b. Poles and installation - Delmarva*	3/18/81
c. Poles and installation - Atlantic City Electric *	3/18/81
d. Pole and installation - Delaware Cooperative *	3/26/81

*Included obtaining rights-of-way and
easements

	<u>Received</u>	<u>Installed</u>	<u>To be Delivered</u>	<u>Installation Anticipated</u>
7. Delivery and installation				
a. Sirens with decoder				
Delmarva	8	8	5	7/31/81
Delaware Electric Coop.	1	1	0	
Atlantic City Electric	0		16	8/14/81
b. Encoders (Base units)				
Delmarva	0	0	2	7/31/81
Delaware Electric Coop.	0	N/A	None	Uses same as Delmarva
Atlantic City Electric	0		None	Uses existing encoders
8. Complete System Installed (operationally tested)				8/28/81
System Test (design verification and acceptance)				9/1/81
Fully operational siren system				10/1/81
Distribution of EBS Radios (if needed to augment siren system)				10/15/81
Test EBS Radio System (operationally tested)				11/14/81

KEY INDIVIDUALS AND
FACILITIES NOTIFICATION SYSTEM

(Designed to meet requirements of NUREG 0654 (APPENDIX 3 (C.2))

	<u>Completed</u>
1. Demonstration at local FM radio station	6/11/80
2. Purchase of Equipment and Leasing of FM Subcarrier	
a. B/U Transmitter for Radio Station (24 hrs. capability)	11/26/80
b. B/U Emergency Generator for Radio Station	12/17/80
c. Transmitter and receivers	1/21/81
d. Subcarrier leased	3/11/81
3. Delivery and Installation	
a. B/U Transmitter received and installed	By WNNN
b. B/U Emergency Generator received and installed	By WNNN
c. Transmitters and receivers shipped by Vendor	7/1/81
4. Installation and testing - completion	9/1/81 Anticipated

RADIO ALERTING (NOAA)

(Designed to augment siren system where required)

1. Began discussions with NOAA on Remote Transmitter and State interface 1/2/81
2. Requested NOAA to apply for frequency from FCC 5/13/81
3. Purchase of equipment
Dependent upon NOAA frequency selection
4. Installation and testing - completion 1/1/82 Anticipated