

Long Island Lighting Company  
Shoreham Nuclear Power Station  
Prompt Notification System Report

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Prepared By:  
Nuclear Emergency Preparedness Division  
Nuclear Operations Support Department  
Shoreham Nuclear Power Station  
P.O. Box 628  
Wading River, New York 11792

8609090021 880810  
PDR ADOCK 05000322  
G PDR

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 ASSOCIATED WITH THE PROMPT NOTIFICATION SYSTEM  
 FOR THE SHOREHAM NUCLEAR POWER STATION

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OFFSITE EMERGENCY PREPAREDNESS  
 NUREG-0654 REV. 1, SUPPLEMENT 1 CROSS REFERENCE LIST  
 ASSOCIATED WITH THE PROMPT NOTIFICATION SYSTEM  
 FOR THE SHOREHAM NUCLEAR POWER STATION

<u>NUREG-0654</u> <u>REF. SECTION</u>	<u>LERO PLAN</u>
E.5 Notification Methods	Section 3.3, Page 3.3-4-6 Section 3.8, Page 3.8-6-7
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ACRONYMS

&

ABBREVIATIONS



List of Acronyms and Abbreviations  
 Associated with the Prompt Notification  
 System for the Shoreham Nuclear Power Station

<u>Acronyms/Abbreviations</u>	<u>Definition</u>
AC	Alternating Current
AM	Amplitude Modulation
ACA	Alerting Communicators of America, Inc.
ANS	Alerting and Notification System
ATI	Acoustic Technology, Inc.
AWP	Alternative Warning Point
BNL	Brookhaven National Laboratory
CFR	Code of Federal Regulations
CPCS	Common Program Control Station
CR	Control Room
DOE	Department of Energy
EAL	Emergency Action Level
EAR	Emergency Alert Receiver, Inc.
EBS	Emergency Broadcast System
ENB	Emergency News Broadcast
ENC	Emergency News Center
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EPC	Emergency Preparedness Coordinator (Onsite)
EPIP	Emergency Plan Implementing Procedure (Shoreham Plan)
EPZ	Emergency Planning Zone
ESO	Electric Systems Operator (Onsite)
FCC	Federal Communications Commission
FEMA	Federal Emergency Management Agency
FEMA REP-10	Guide for the Evaluation of Alert and Notification Systems for Nuclear Power Plants (November 1985)
FM	Frequency Modulation
FSAR	Final Safety Analysis Report
GSO	Gas Systems Operator (Offsite)
HPN	Health Physics Network
HUB	New York Telephone Central Switching Office
Hz.	Hertz
INPO	Institute for Nuclear Power Operations
kHz.	KiloHertz
kw	Kilowatt
LERO	Local Emergency Response Organization (Offsite)

Acronyms/Abbreviations

LILCO  
LOC  
mHz.  
MRD  
NAWAS  
NOAA  
  
NOSD  
NUREG-0654

NPS  
NRC  
NYS  
ODP

OPIP

OSC  
PAG  
PAR  
PIO  
PNS  
RAP  
RECS

REPG

RERP

Shoreham  
SEMO  
SNPS  
SSO

TSC  
UHF  
US  
USCG  
USEPA

VHF  
WP

Definition

Long Island Lighting Company  
LILCO Offsite Coordinator  
MegaHertz  
Mobile Radio District  
National Warning System  
National Oceanic and Atmospheric  
Administration  
Nuclear Operations Support Division  
Criteria for Preparation and  
Evaluation of Radiological  
Emergency Response Plans and  
Preparedness in Support of  
Nuclear Power Plants (November  
1980), Supplement 1 (November 1987)  
Nuclear Power Station  
Nuclear Regulatory Commission  
New York State  
New York State Office of Disaster  
Preparedness  
Offsite Plan Implementing  
Procedures (LERO Plan)  
Operational Support Center  
Protective Actions Guide  
Protective Actions Recommendation  
Public Information Officer  
Prompt Notification System  
Radiological Assistance Plan  
Radiological Emergency  
Communications System  
Radiological Emergency Planning  
Group  
Radiological Emergency Response  
Plan  
Shoreham Nuclear Power Station  
State Emergency Management Office  
Shoreham Nuclear Power Station  
Supervising Service Operator  
(Offsite)  
Technical Support Center  
Ultra High Frequency  
United States  
United States Coast Guard  
United States Environmental  
Protection Agency  
Very High Frequency  
Warning Point

SECTION 1.0

## 1.0 Introduction

The Long Island Lighting Company (LILCO) has installed a prompt alerting and notification system (PNS) for the Shoreham Nuclear Power Station (Shoreham) located in the town of Brookhaven, Suffolk County, New York. The PNS was designed to meet the requirements defined in 44 CFR Part 350 and the guidance established in NUREG-0654/FEMA REP-1, Rev. 1 (November 1980) and Supplement 1 (November 1987). This report has been prepared by LILCO for submission to the Federal Emergency Management Agency (FEMA) in accordance with the guidance of FEMA REP-10/November 1985, "Guide for the Evaluation of Alert and Notification Systems for Nuclear Power Plants."

Consistent with the guidance of FEMA REP-10, this report considers only the alert and notification aspects of the Shoreham (onsite) Emergency Plan and the Local Offsite Radiological Emergency Response Plan. This includes the following planning standards of NUREG-0654:

- o E - Notification Methods and Procedures  
Evaluation Criteria E.5 and E.6,
- o F - Emergency Communications  
Evaluation Criteria F.1, and
- o N - Exercises and Drills.  
Evaluation Criteria N.1, N.2, N.3 and N.5.

This report demonstrates that the system assures adequate coverage in accordance with "minimum acceptable design objectives" defined in NUREG-0654, Appendix 3:

The minimum acceptable design objectives for coverage by the system are:

- a) Capability for providing both an alert signal and an informational or instructional message to the population on an area wide basis throughout the 10-mile EPZ, within 15 minutes.
- b) The initial notification system will assure direct coverage of essentially 100% of the population within 5 miles of the site.
- c) Special arrangements will be made to assure 100% coverage within 45 minutes of the population who may not have received the initial notification within the entire plume exposure EPZ.

References have been made to various Shoreham and Local Emergency Response Organization (LERO) documents. Reproductions of most documents, in part or whole, have been included as attachments to this report. In all cases, the most recent revisions, some still in draft form, of the onsite and offsite plans have been provided. Certain data including but not limited to telephone numbers, circuit numbers, radio frequencies, authentication codes, etc. have been redacted to ensure confidentiality.

The organization that has been created to implement the offsite plan is known as "LERO" (Local Emergency Response Organization). LERO is a voluntary organization comprised of approximately 3000 members who are primarily LILCO employees and contractors. Other

organizations supporting LERO include the U.S. Coast Guard, the U.S. Department of Energy, and local bus, ambulance and aircraft — companies.

SECTION 2.0

## 2.0 (E) Notification Methods and Procedures

The Shoreham PNS consists of three primary components. They are: the Shoreham Siren system, the State of New York Emergency Broadcast System (EBS) and the United States Coast Guard (USCG). The State of New York EBS will be discussed below under Evaluation Criterion E.5. The Shoreham PNS and the emergency response functions of the USCG will be discussed under Evaluation Criterion E.6.

### 2.1 (E.5) Public Information Dissemination

The Emergency Broadcast System (EBS) established by the State of New York is capable of disseminating information to the public within the Shoreham plume exposure pathway emergency planning zone (EPZ). Consistent with the Commission's new emergency planning rule, 10 CFR 350.47(c)(i) (as amended on November 3, 1987), the Offsite Emergency Preparedness Plan recognizes that New York State and Suffolk County will participate, on a "best efforts" basis, in response to an actual emergency at Shoreham and that they will choose to disseminate emergency information to the public via the existing New York State EBS network for Nassau and Suffolk Counties. The Common Program Control Station (CPCS-1) for this state network is WCBS. A description of the EBS network for the Nassau and Suffolk Counties Operational Area is provided in Section 7.1.3.

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The USCG will broadcast radio notifications providing both emergency information and instructions to boaters on Long Island Sound in the vicinity of Shoreham.

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.3	6-13-14
LERO	7.1.3	3.3-4-6, 3.8-6-8

2.1.1 (E.5.2.1) Description of State EBS for the Nassau and Suffolk Counties New York State EBS Operational Area

According to the State of New York EBS Operational Plan, radio station WCBS (880 kHz.) and WCBS - FM (101.1 MHz.) will serve as the Common Program Control Station (CPCS-1) for the Nassau and Suffolk New York State Counties EBS Operational Area. WCBS-AM is a 50kw clear-channel 24 hour AM station whose signal alone provides adequate coverage to the entire 10 mile EP2 around Shoreham. WCBS-FM also broadcasts 24 hours a day at a power level of 3.6kw. Both broadcast out of New York City. Over thirty additional radio stations are part of the Nassau and Suffolk Counties New York State EBS Operational Area. These broadcast stations monitor WCBS via EBS monitor receiver/decoders and are alerted in an emergency by WCBS' two-tone attention signal. In the event of an emergency at Shoreham, these stations will, at the descretion of station management, rebroadcast the WCBS transmitted emergency information. A list of the Nassau and

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Suffolk Counties New York State EBS Operational Area stations is provided in Section 8.1.1. Additional information concerning the New York State EBS is provided in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.5	8-10-11
LERO	7.1.2	Att. 2.2.2
	7.1.3	3.8-1-4a, 3.8-6, Fig. 3.8.1
Other	8.1.2	ALL

#### 2.1.2 Implementing Procedures for Organizations with Alert and Notification Responsibilities

The PNS may be activated at the Alert, Site Area Emergency and General Emergency. For illustration, this discussion will focus on the actions that will be taken at a General Emergency. Upon the declaration of a General Emergency at Shoreham, the onsite emergency response organization will notify the LERO, New York State and Suffolk County by the RECS line. For LERO, this communication will be made through the RECS Communicator in the Local Emergency Operations Center (EOC) or the Supervising Service Operator (SSO) if the EOC has not yet been activated.

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Backup notification procedures exist for contacting LERO, New York State and Suffolk County should communications via RECS be impossible. Commercial telephone, the LILCO Notification Radio System, and a NAWAS link via DOE's Brookhaven Area Office provide backup means of communication to RECS.

In coordination with New York State and/or Suffolk County Officials, the Director of Local Response and Coordinator of Public Information, or their designated alternates, are responsible for implementation of the respective activation procedures. Alternates are designated by procedure to assure capability for timely activation (i.e., PNS must be activated within 15 minutes of a decision by local or state authorities to activate the system) on a 24 hour, 7 day per week basis. The capability to activate the PNS within 15 minutes of the decision to activate the system was demonstrated in the February 13, 1986 FEMA evaluated exercises. This is discussed on pages 26 and 34 of Section 8.2.

The USCG will provide alerting and notification support for the marine traffic in the waters of Long Island Sound within a 10-mile radius of Shoreham. The USCG will be notified of an emergency by the Emergency Director, Evacuation Coordinator or SSO as required by EPIP 1-5, OPIPs 3.3.2, 3.3.4 and 3.3.5 (Sections 6.2.2, 7.2.4, 7.2.6 and 7.2.7, respectively).

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In addition to the USCG, Island Helicopter will be called upon, on an as needed basis, to supplement the USCG in alerting marine traffic on Long Island Sound. The LERO Evacuation Coordinator is responsible for the decision to utilize this resource pursuant to the provision in OPIP 3.3.4.

Activation of the PNS may be accomplished in two different ways. The variation in activation sequence depends on the activation status of the Local EOC. This process is illustrated in Attachment 4 to OPIP 3.3.4 (see Section 7.2.6). The events illustrated in the Attachment 4 flow diagram are detailed in OPIPs 3.3.2, 3.3.4 and 3.8.2 (Sections 7.2.4, 7.2.6 and 7.2.10, respectively).

Additional discussion of the procedural aspects and individual responsibilities for response organizations can be found in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.3	6-13-14
	6.2.2	1-2

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<u>Plan</u>	<u>Section</u>	<u>Pages</u>
LERO	7.1.2	2.1-6-7, Fig. 2.1.2, Fig. 2.2.1
	7.1.3	3.1-1, 3.3-4-6-7 Fig. 3.3.5, Fig. 3.3.7 Fig. 3.4.1, 3.8-6, Fig. 3.8.1
	7.2.6	1-4
	7.2.7	3-4
	7.2.9	2
	7.2.10	ALL
	7.2.3	1-5, Attachment 10
	7.2.4	1-5

### 2.1.3 Letters of Agreement

The letter of agreement with Island Helicopter to provide back-up alerting and notification to marine traffic on the waters of Long Island Sound is included in Section 7.3.2. Other related letters of agreement are also included in Section 7.3.2.

Additional discussion of alerting and notification responsibilities and supporting agreements is provided in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
LERO	7.1.2	2.1-6-7, Fig. 2.1.2, 2.2-2, 2.2-2a, 2.2-4g, Fig. 2.2.1, Att. 2.2.2
	7.1.3	3.1-1, 3.3-4-6, Fig. 3.3-5, Fig. 3.3-7
	7.2.6	1-4
	7.2.7	3-4
	7.2.9	2
	7.2.10	1-3
	7.3.1	1-1, 7-1-4

#### 2.1.4 Broadcast Intervals\* for Emergency Information

The interval between broadcasts of emergency information is every 15 minutes for most emergency messages. A specific broadcast interval of 15 minutes is identified at the end of many EBS messages. Sample EBS messages are provided in OPIP 3.8.2 (See Section 7.2.10).

Additional discussion of broadcast intervals can be found in the following document:

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<u>Plan</u>	<u>Section</u>	<u>Pages</u>
LERO	7.2.10	2, 8

### 2.1.5 Capability to Monitor Information Transmitted to the Public

The local EOC is equipped with a tone activated radio receiver tuned to WCBS (880 kHz), the Common Program Control Station (CPCS-1), and WALK-FM (97.5 MHz). The EOC is also equipped with a standard AM/FM radio capable of monitoring stations within the 88 to 108 MHz. and 530 to 1600 kHz. frequency bands and a color television capable of monitoring both VHF and UHF broadcast stations. A marine band radio is available in the local EOC to monitor emergency information broadcast by the USCG.

Additional discussion of the capability to monitor official information being transmitted to the public is provided in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.2.3	2-4, 6
LERO	7.1.3	3.8-5
	7.2.6	4
	7.2.9	2, 5
	7.2.10	2

## 2.2 (E.6) Administrative and Physical Means of Notification

LILCO has developed both the administrative and physical means for prompt alerting and notification of the public within the Shoreham EPZ.

The physical system consists of 89 fixed alerting sirens, the New York State EBS, coupled with approximately 200 tone activated dual station radio receivers, and the USCG. In addition, various communications systems have been established to facilitate notification and communications between onsite and offsite emergency response organizations. They include: the Radiological Emergency Communications System (RECS), commercial telephone and LILCO Notification Radio System.



Use of these systems is administratively controlled by onsite and offsite emergency response plans and their associated implementing procedures. A discussion of the administrative means for notification is provided in section 2.2.1 (E.6.1) Administrative Procedures for Notification. Section 2.2.2 (E.6.2) Physical Means of Notification provides a discussion by component of the alerting system.

#### 2.2.1 (E.6.1) Administrative Means of Notification

##### 2.2.1.1 Responsibility for System Activation

LERO is responsible for initiating activation of the PNS, including the New York State EBS Operational Area of Nassau and Suffolk Counties. The Director of Local Response, the Manager of Local Response or their alternate is responsible for obtaining legal authority to activate the PNS from a Federal, State or County official.

During those times when the EOC is operational, the Director of Local Response will contact, by commercial phone, the Suffolk County Executive and inform him that the following items are needed to notify the public: 1) WCBS-EBS Authorization Code, 2) phone number for WCBS, 3) approval to activate the prompt notification system (PNS) (sirens) and, 4) approval to broadcast the EBS message containing the protective action recommendation.

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The Director will then ask the Suffolk County Executive to stand by while he initiates activation of the siren system and the EBS.

During those times when the Director or Manager of Local Response and Coordinator of Public Information have been contacted and the EOC is not activated, the Director of Local Response will coordinate the activation of the PNS with the Coordinator of Public Information. The Director will contact the Suffolk County Executive and ask for the same items stated in the previous paragraph. Upon approval by the Suffolk County Executive and at the direction of the Director or Manager of Local Response, the SSO will use the RECS to contact the Shoreham control room which will in turn activate the PNS sirens. The Director or Manager of Local Response or the Coordinator of Public Information, will contact WCBS to broadcast the emergency message.

In the event of an unforeseen problem or delay in contacting the Suffolk County Executive, the LERO Director will contact State Officials via the State Emergency Management Office (SEMO) which is manned 24 hours a day. In the unlikely event that State Officials cannot be contacted within a reasonable period of time, the LERO Director will contact WCBS directly and ask that WCBS authenticate the call with a return call, as contemplated in the EBS Activation Procedure for the Nassau and Suffolk Counties New York State EBS Operational Area.

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These provisions assure that the capability for 24 hour per day communication from offsite decisionmakers to those responsible for the actual activation of the alerting and notification system is provided for and that notification to the public can be achieved within 15 minutes of the decision by Federal, State or local authorities that conditions exist which warrant the notification of the public.

The actions to be taken by the Director of Local Response, Manager of Local Response, Coordinator of Public Information, SSO or other LERO staff are illustrated in Attachment 4 of OPIP 3.3.4 (see Section 7.2.6) and Attachment 10 of OPIP 3.1.1 (see Section 7.2.2).

Additional discussion of organizational responsibilities for activation of the Shoreham PNS is provided in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.3	6-13-14
	6.2.1	10

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<u>Plan</u>	<u>Section</u>	<u>Pages</u>
LERO	7.1.2	Fig. 2.1.2, 2.2-2, 2.2-2a, 2.2-4g, Fig. 2.2.1
	7.1.3	3.1-1, 3.3-4-6, Fig. 3.3-5, Fig. 3.3-7
	7.2.6	1, 2, 3, 15
	7.2.7	1, 3
	7.3.1	2-1-3, 1-5
	7.3.2	ALL

2.2.1.2 Procedures for the Activation of the Prompt Notification System

The Director of Local Response, the Manager of Local Response or their alternate is responsible for activation of the siren system after obtaining legal authority from a Federal, State or local official. The Coordinator of Public Information is responsible for the activation of the Nassau and Suffolk Counties New York State Operational Area's EBS. The actions to be implemented for obtaining permission and for activating these systems are defined in OPIPs 3.1.1, 3.3.4, 3.3.5, and 3.8.2. These procedures are provided as Sections 7.2.2, 7.2.6, 7.2.7, 7.2.10, respectively.

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A fourth procedure, OI-60001, Operating Instructions for Activation of the Shoreham Prompt Notifications System, details the specific mechanical actions to be implemented to activate the sirens at any of the permanent activation points. The capability for activating the sirens exists in the Local EOC, the Shoreham Control Room, and the Brookhaven Substation. The detailed instructions, OI-60001, are not provided with this report as a matter of system security.

It is the intent of these procedures to ensure that once the decision is made to activate the PNS by Federal, State or County officials, the order to implement the PNS, including the New York State EBS, may be accomplished within the 15 minute design objective established in NUREG-0654.

Additional discussion of implementing procedures, including the actual implementing procedures, is provided in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.3	6-13-14
	6.2.1	10
	6.2.2	5-7, 9, 11-13,
	6.2.2	18, 22-23

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<u>Plan</u>	<u>Section</u>	<u>Pages</u>
LERO	7.1.2	Att. 2.2.2
	7.1.3	3.3-4-6
	7.2.7	1-5, 10, 11
	7.2.6	1-10
	7.3.1	ALL

2.2.1.3 Methods to Ensure that Appropriate Response Actions Are Implemented

The procedures just discussed in section 2.2.1.2 define the actions necessary to ensure that a legitimate order to activate the PNS will be followed. For activation of each of the systems components described (siren system, EBS or USCG response), verification or authentication codes are required to maintain system security.

EBS transmissions are monitored in accordance with OPIP 3.8.1 (see Section 7.2.9) to ensure radio broadcasts provide correct information. Any misinformation will be corrected by the Coordinator of Public Information.

Additional discussion is provided in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.3	6-13-14
	6.2.2	1-3, 5-7, 9, 11-13, 22-23
LERO	7.1.2	2.2-4g
	7.2.3	1-6
	7.2.4	.
	7.2.7	1-5, 10, 11
	7.2.6	1-10
	7.3.1	7-1-5

2.2.2 (E.6.2) Physical Means of Notification

It is the design objective of PNS to meet or exceed the design criteria of NUREG-0654 (see Section 1.0) by providing an alerting signal and an informational or instructional message to areas within the Shoreham EPZ. For land portions of the EPZ, the alerting signal is conveyed to the public via two means: a siren generated signal and in some cases, a tone activated EBS alerting signal.

The Shoreham PNS consists of 89 fixed mechanical sirens and approximately 200 tone activated dual station EBS radio receivers. The sirens are geographically located to provide coverage to 100% of the EPZ residential population. Siren coverage has not been provided to 100% of the EPZ land area due to one gap in coverage. This gap is located within the boundary of Brookhaven National Laboratory, a Federal facility, which provides its own internal alerting and notification. Brookhaven National Laboratory is notified of an emergency situation at Shoreham by a tone alert radio.

Tone activated EBS radio receivers have been distributed to facilities serving special populations and other establishments as a means of notification. Discussion of tone alert radio receivers is provided in Section 2.2.2.3.

The Long Island Sound is an extended waterway that comprises approximately 1/2 of the EPZ. Responsibility for providing notification to boaters has been assumed by the USCG. The USCG will provide radio notification to boaters. The process for notifying boaters on Long Island Sound is discussed further in Section 2.2.2.4 below. Notification to air traffic in the general vicinity of eastern Long Island is provided by the Federal Aviation Administration (FAA). The FAA is contacted by



the LERO Evacuation Coordinator as part of the notification sequence in response to a radiological incident at Shoreham. Notification of the Long Island Railroad is accomplished in the same manner.

A component by component discussion of the alerting part of the PNS design is provided below.

#### 2.2.2.1 (E.6.2.1) Fixed Siren System Design

The fixed siren component of the Shoreham PNS utilizes 89 Alerting Communications of America (ACA) warning sirens. Seventy-seven sirens are 125 dB Penetrator-10 rotating sirens and twelve sirens are 115 dB Banshee omnidirectional sirens. These units produce a single tone warning signal with a primary tone of 440 Hz. A complete description of the siren equipment, including specifications is provided in Section 8.3.2. All sirens are radio controlled and can be activated from three locations: the LERO EOC, Shoreham Control Room and Brookhaven Substation. Further discussion of PNS activation is provided in Section 2.1 above.

The siren system was designed by Wyle Laboratories in accordance with their final design report WR 82-10 presented in Section 8.3.1. The Wyle Report provided the original design basis for the PNS. Subsequent minor system changes have been made and are

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presented in this text and supporting attachments. Wyle initially sited the sirens on the basis of population density, topography and terrain characteristics, all of which influence sound propagation. Land areas within the Shoreham EPZ were categorized into three types: (1) beach areas along Long Island Sound, (2) terrain immediately bordering the Long Island Sound (including rolling hills and coastal inlets), and (3) plains and farmlands. Following the initial siting effort, final siren locations were selected by field inspection. Final locations were selected taking into account the following considerations: power availability, easement considerations, acoustic propagation and proximity to residences and barriers (i.e., vegetation, buildings and local topography). The sirens were installed in accordance with CS-2083, Siren Installation (see Section 8.3.3).

All Shoreham PNS sirens have been installed at a height of 60 feet on 70 foot utility poles with one exception. Siren 110 at Wildwood State Park was installed at a height of 35 feet on a 40 foot utility pole because of limited equipment access at this location. This necessitated hand installation of a 40 foot pole. The mounting heights of all Shoreham sirens are sufficient to ensure conformance with the maximum exposure level of 123 dB specified in NUREG-0654.

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A siren system design verification was conducted by Acoustic Technology, Inc., to evaluate the siren coverage using an industry accepted computer modeling technique. The ATI Design Verification Report is provided in Section 5.0. This report describes the methodology employed in the design verification and provides a map illustrating the alerting coverage of the siren system. It should be noted that one inaccuracy in the base map has been identified. The western border of the EPZ should follow Terryville Road rather than Jayne Boulevard. Population densities were computed for areas within the EPZ for evaluation of the alerting coverage. These population density computations and a description of the methodology employed are provided in Section 8.4.1.

#### 2.2.2.2 Siren Testing and Maintenance

Siren testing and maintenance is conducted in accordance with Equipment Operations and Maintenance Procedure EOM-70028, Shoreham Prompt Notification Siren System (see Section 8.3.4).

The test program, consistent with NUREG-0654, includes regularly scheduled silent and operational tests and an annual systemwide test. Silent tests are conducted twice monthly and require the transmission of three cancel signals from one of the three encoder locations. The radio cyclometer at each siren location

is then read and the count recorded. These data are analyzed to determine equipment operability. Follow-up action is taken as necessary.

Operational tests are conducted on a quarterly basis. These tests are conducted at the individual siren locations and consist of one short activation of the siren. Two of these tests are conducted in conjunction with the semi-annual inspection and annual maintenance programs. Individual siren activation for this operational test is accomplished by local transmission of an encoded signal using a hand-held radio transmitter. Systemwide tests are scheduled to be conducted annually and/or in conjunction with an emergency preparedness exercise (when possible). This test includes a full activation of the siren system. All siren locations are observed to determine system performance.

Preventive maintenance of the siren system consists of semi-annual inspection and annual maintenance programs. The semi-annual inspection program includes a visual inspection of the siren, pole and control equipment. The annual maintenance program includes inspection and preventive maintenance in accordance with manufacturer's specifications. Each siren is operationally tested upon completion of scheduled inspection or maintenance. The semi-annual inspection and annual maintenance programs have been fully implemented for a number of years.

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Hcwever, to date only occasional operational tests of the system have been performed. This infrequent testing is a result of the adverse political environment surrounding Shoreham and a Suffolk County ordinance which prohibited such tests prior to the first FEMA-graded exercise of the Shoreham offsite plan. The planned operational test program will be initiated following the submission of this report.

Results of the testing, inspection and maintenance program are analyzed on a continuing basis by the Nuclear Operations Support Department of LILCO. Any trends or problems uncovered will be addressed or resolved. All records generated as a result of this program will be maintained in accordance with Nuclear Operations Support Department document retention procedures.

The average operability of the siren system as calculated from the semi-monthly test results for the previous twelve months is 96 percent. A description of the computation used to determine the average operability and the last twelve months of operability data are provided in Sections 8.3.5 and 8.3.6, respectively.

The following documents provide additional discussion on siren system operation, testing and maintenance:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
Other	8.3.3	ALL
	8.3.4	ALL
	8.3.5	ALL

#### 2.2.2.3 (E.6.2.3) Tone Alert Radios For Special Facilities

Tone alert radio receivers are also used in the Shoreham PNS as a means of notification for facilities serving special populations. The tone alert radios have been distributed to these facilities to augment the siren system. Approximately 200 tone alert radio receivers have been distributed to facilities, such as public and private schools, hospitals, fire departments, nursing homes, major employers, recreational facilities, etc. throughout the Shoreham 10-mile EPZ and adjacent areas. A list of these facilities is provided as Section 8.5.2. This list is maintained by the LILCO Emergency Preparedness Coordinator in accordance with appropriate document control procedures. A map of the 10-mile EPZ which depicts the locations of facilities maintaining tone alert radio receivers, is provided in Section 8.5.3. It should be noted that one inaccuracy in the base map has been identified. The western border of the EPZ should follow Terryville Road rather than Jayne Boulevard.

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The dual station tone alert radio receiver being distributed by LILCO is an institution grade unit housed in a durable case. This unit is manufactured by Woodson Electronics, Inc. Two key features of this receiver are a built in battery and preset minimum volume. The long life sealed rechargeable battery allows the unit to operate at normal volume without AC power for 6 to 8 hours. The battery continuously trickle charges and requires about 16 hours to fully charge after depletion. The preset minimum volume assures the availability of the necessary alerting signal when the unit is remotely activated via two tone EBS signal. A facsimile of the manufacturer's Plectron (tone alert receiver) Instruction Booklet given to each tone alert radio holder is provided as Section 8.5.1.

The Shoreham PNS tone alert receivers are tuned to WCBS (880 kHz) and WALK-FM (97.5 MHz). Additional information regarding WCBS and other EBS stations within the Nassau and Suffolk Counties New York State EBS Operational Area is provided in Section 2.1.1 above.

The tone alert radios are activated on a weekly basis during routine Federal Communications Commission mandated EBS tests. The frequency of testing assures adequate opportunity to verify the units' operating condition. An additional LILCO-provided instruction sheet highlights radio operation, testing instructions, and provides a 24 hour service telephone number. A

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label has also been affixed to the top of the radio housing which provides this service number and other related information. Facsimiles of these documents are provided in Section 8.5.1.

When a tone alert radio malfunctions, the holder is instructed to call the LILCO service telephone number. Once LILCO has been contacted, arrangements are made for the replacement of the defective unit. LILCO maintains a supply of replacement units.

#### 2.2.2.4 (E.6.2.4) Special Alerting

Approximately 1/2 of the Shoreham 10-mile EPZ is occupied by the Long Island Sound. The USCG will respond to an emergency at Shoreham in accordance with its "FIRST DISTRICT RADIOLOGICAL INCIDENT RESPONSE PLAN." Under this plan the USCG, when requested, will provide immediate notification to boaters from their New Haven Station via Safety Voice Broadcast and Urgent Marine Information Broadcast from their District Operations Center. The USCG will broadcast a notification of an emergency with protective action recommendations to boaters and will inform boaters that a safety zone has been established around Shoreham.

The USCG will then respond by dispatching vessels to the safety zone around Shoreham if it is safe to do so.



Additional discussion of the implementation of USCG alerting functions is provided in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.2.2	9, 22-23
LERO	7.2.6	9, 16
	7.2.7	4
	7.3.1	1-1-3, 2-1-3, 7-1-5

Brookhaven National Laboratory (BNL), a U. S. Department of Energy (DOE) facility, is responsible for internal notification of its staff. BNL maintains a LILCO tone activated radio receiver to serve as a means of initial notification. In addition, BNL is notified as a response organization in accordance with OPIP 3.3.5 (see Section 7.2.7) at the Alert, Site Area and General Emergency classifications. BNL implements internal notification plans/procedures. These documents are provided in Section 8.6.

#### 2.2.2.5 Backup Means of Notification

Two additional means of notification have been established to supplement the capability of the primary alerting system. First, LERO route alert drivers will provide back-up alerting capability in the event of individual or multiple siren failures.

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Verification of siren activation and route alerting will be performed in accordance with OPIP 3.3.4 (see Section 7.2.6). Second, LILCO has contracted with Island Helicopter, Inc., to provide helicopters equipped with loudspeakers. These helicopters will be used to supplement the USCG notification process and are not considered a primary means of notification. All such aircraft used to supplement alerting and notification will be dispatched from Garden City, New York. A letter of agreement with Island Helicopter is provided in Section 7.3.2.

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SECTION 3.0

### 3.0 (F) Emergency Communications

#### 3.1 (F.1) Emergency Communications

Three independent communications systems provide emergency communications capability between the Shoreham onsite emergency response facilities and the Local Emergency Response Organization (LERO): RECS, commercial telephone and LILCO Notification Radio System. A fourth communications link is available through a series of dedicated telephone lines that provide communications between the LERO, EOC and the Emergency Operations Facility (EOF). These systems were implemented to meet the requirements established in NUREG-0654 and were demonstrated in the February 13, 1986 FEMA Evaluated Exercise. (See Section 8.2). New York State and Suffolk County can be contacted by the Shoreham onsite emergency organization or by LERO using RECS or commercial telephone. A summary of the emergency communications systems is depicted on Figure 3.4.1 of Section 7.1.3.

The primary mode of communications with USCG (primary notification responsibility) and Island Helicopter, Inc. (supplemental means of notification), is commercial telephone. Marine band radio provides back-up communications to the USCG. Communication with WCBS, the Common Program Control Station (CPCS-1) is accomplished via commercial telephone line.

Aspects of the various communications systems which provide emergency communications capability between the Shoreham emergency organization, LERO, and other requisite response and support organizations are discussed or referenced below to address Planning Standard F.1.

Emergency response personnel (organizational titles) responsible for notification and communications between response organizations are identified in the documents outlined below. Although alternate personnel (organizational titles) are defined in the various organization related documents, it should be noted that the primary communications system provides for redundant contact points within each response organization.

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.2	5-7-8
	6.1.4	7-1-5, 7-6-8
	6.2.2	1, 12
	6.2.5	6, 7, 15, 19, 20, 21, 46-48, 62, 81-84
LERO	7.1.3	3.4-1-2a, Figure 3.4.1
	7.2.1	5, 5a, 6, 65, 66-71

(a.) Provisions for 24 hour per day notification to and activation of the offsite emergency response organizations,

including the 24 hour per day manning of communications links that initiate emergency response actions, are discussed in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.2	5-7-8, 5-12
	6.1.4	7-1-5, 7-6-10, Table 7-1
	6.2.2	1, 2, 5-7, 16, 18, 26-28
LERO	7.1.2	3.3-1-6, Figure 3.3.1, 3.4-1-2a, Figure 3.4.1

Additional discussion is provided in sections 3.2 and 3.3 below.

(b.) Provisions for ongoing communications among the onsite response organization, LERO, New York State and Suffolk County is contained in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.2	5-7-8, 5-12
	6.1.4	7-1-5, 7-6-10, Table 7-1

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.2.2	1,2,5-7,16,18,26-28
LERO	7.1.2	3.3-1-6, 3.4-1-4, Figure 3.4.1

Additional discussion is provided in sections 3.2 and 3.3 below.

(c.) Provisions for communications as needed with Federal emergency response organizations is discussed in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.2	5-7-8, 5-12, 5-14-18
	6.1.4	7-7-8, Table 7-1
	6.2.2	1, 2, 9, 16, 22-24
LERO	7.1.2	3.4-3-5, 3.4-6-7, Figure 3.4.1

(d.) Provisions for communications between Shoreham, the EOF and LERO, including Shoreham and DOE (Brookhaven, N.Y.) radiological monitoring teams is discussed in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.2	5-12
	6.1.4	7-6-10, Table 7-1
LERO	7.1.2	3.3-1-4, 3.4-3-5, 3.4-6-7, Figure 3.4.1
	7.1.4	Figure 4.1.3

Additional discussion is provided in sections 3.2 and 3.3 below.

(e.) Provisions for notifying and mobilizing the Shoreham emergency response organization and LERO are discussed in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.2	5-6-8
	6.1.4	7-7, 7-9
	6.2.2	2, 4, 5, 10, 16, 17, 19-21, 24-25
LERO	7.1.2	3.3-1-4, Fig. 3.3.2, Fig. 3.3.3, Fig.3.3.4, Fig. 3.3.5, Fig.3.3.6, 3.4-5, Fig. 3.4.1
	7.1.4	4.1-1
	7.2.5	ALL



(f.) Provisions for communication by the licensee with Nuclear Regulatory Commission (NRC) headquarters and NRC Regional Office of Emergency Operations Centers and the Shoreham EOF radiological monitoring team assembly area are discussed in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.2	5-7-8, 5-12
	6.1.4	7-7-8, Table 7-1
	6.2.2	2, 13, 16, 29

### 3.2 Coverage

RECS is the primary means of 24 hour per day notification and communications among Shoreham, LERO, New York State and Suffolk County. RECS is a dedicated telephone system comprised of independent interconnected dedicated telephone circuits which form one communications network. RECS has been established for all nuclear facilities in the State of New York. RECS is available for communications among any or all of the following locations.

- o Shoreham Control Room
- o Shoreham Technical Support Center

- o Shoreham Emergency Operations Facility
- o LILCO Electric Service Section, Hicksville
- o Local Emergency Operations Center, Brentwood
- o New York State Emergency Operations Center, Albany
- o New York State Department of Health, Albany\*
- o New York State Warning Point, Albany\*
- o New York State Southern District Office, Poughkeepsie
- o Suffolk County Police Communications Center, Yaphank
- o Suffolk County Division of Emergency Preparedness, Yaphank

\* At the advice of counsel, apparently to support New York State's position in the licensing proceeding before the Atomic Safety and Licensing Board, the State disconnected the Shoreham RECS lines. Subsequently, New York State apparently moved the offices where these phones are located. LERO will re-install these phones at the proper location when the State permits it to do so. In the interim both commercial line and NAWAS would be a backup as detailed in Section 7.1.2 pages 3.4-1-2.

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Four RECS locations are monitored on a 24 hour per day basis. They are: Shoreham Control Room, LILCO Electric Service Section (Hicksville), New York State Warning Point (Albany) and Suffolk County Police Communications Center (Yaphank).

Commercial telephone is the backup means of communications if RECS is unavailable or partially disabled. All RECS locations may be contacted via commercial telephone. Standard commercial telephone and Dimension System telephones are available at all LILCO and LERO emergency response facilities.

The LILCO Notification Radio System provides additional backup emergency communications between onsite emergency response facilities and LERO in the event that both RECS and commercial telephone are inoperable. The LILCO Notification Radio System provides radio communications capability between the Shoreham Control Room, Technical Support Center, EOF, EOC, and Electric System Operations (ESO) Office (Hicksville). The LILCO Notification Radio System is monitored 24 hours per day at the SNPS Control Room and ESO Office. The ESO has direct access to the SSO which serves as the primary notification point for LERO.

Should Shoreham not be able to notify all points included in the RECS, then the Control Room Communicator is instructed to use an auto-dialer telephone to contact New York State and/or Suffolk County officials at their 24 hour warning points.

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Finally, dedicated telephone lines are available to convey information between Shoreham and LERO facilities, when those facilities are activated. This system provides an additional communications link to augment the flow of emergency information between onsite and offsite response facilities should it become necessary. For additional discussion see the reference table for Sections 3.1.a and 3.1.b.

### 3.3 Net Control

The primary net control locations to facilitate normal emergency communications are the Shoreham EOF in Hauppauge and the LERO EOC in Brentwood. The alternative (backup) net control locations are the Shoreham Control Room or Technical Support Center, both at Shoreham, and the SSO in Hicksville for LERO.

For purposes of initial notification, the Shoreham Control Room and SSO are the primary net control locations. Both locations are staffed and available 24 hours per day. As the drill or emergency progresses and additional emergency facilities are activated, communications authority is transferred from the initial notification net control locations to the primary net control locations. Table 7-1 of Section 6.1.4 provides a list of the communications capabilities available at the net control locations. For additional discussion see the reference table for Sections 3.1.a and 3.1.b.

### 3.4 System Availability and Reliability

In order to ensure availability and efficient use of Shoreham/LERO emergency communications systems, guidance for testing, operation and administrative maintenance is provided in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.2	5-12, 5-13
	6.2.6	1-8
LERO	7.1.3	3.3-1-6, 3.4-7-8
	7.2.8	1-3
Other	8.7	ALL

In summary, the communication systems described in section 3.2 above are tested at the following frequencies:

- o RECS - Monthly

NOTE: Section 8.7 presents a New York State procedure for RECS testing. The Shoreham organization continues to test RECS in accordance with this procedure.

- o LILCO Notification Radio System - Used Daily
  
- o Commercial Telephone Lines - Quarterly
  
- o Dedicated Telephone Lines - Quarterly
  
- o Marine Band Radio - Quarterly

Both Shoreham and LERO emergency response plan implementing procedures (EPIPs and OPIPs, respectively) are reviewed and revised on an annual basis.

Each emergency organization (Shoreham, LERO, New York State and Suffolk County) has the capability to monitor RECS on a 24 hour per day basis. All emergency communications/notifications are transmitted in a predesignated format. Both transmitting and receiving communicators utilize the Radiological Emergency Data Form to communicate predefined categories of data. This form is provided as Figure 3.3.1 of Chapter 3 of the LERO plan (Section 7.1.3).

Hard copy of all RECS messages may also be transmitted among emergency response facilities via high speed facsimile machine.

The RECS system serves solely as an emergency communications link between onsite and offsite emergency response organizations in

the event of an emergency at Shoreham. Backup power is supplied for the RECS system. In addition, the LILCO Notification Radio System which provides a back up means of communication between Shoreham and LERO emergency response facilities is supplied with backup power. Emergency communications transmitted over the LILCO Notification Radio System during a radiological emergency response will take priority over any other non-emergency communications. These communications systems, both of which are independent of the commercial telephone system, were selected to minimize the possibility of common failure modes under adverse environmental conditions.

### 3.5 Information Sensitivity

As a result of the sensitive nature of the alert and notification functions, various security features have been implemented to maintain system integrity.

Activation of the siren system is controlled by physical security of the encoder/base station units. Additionally, a digital address must be transmitted via the encoder to activate or test the siren system. The address is kept confidential by selected limited distribution and sealed envelopes.

Communications with the EBS Common Program Control Station (CPCS-1) is accomplished by commercial telephone line. Once contact is made, the authentication of the request to activate EBS is verified by means of a code transmitted from LERO to the EBS station staff or by a return phone call from CPCS-1 to LERO.

Shoreham Control Room or LERO will contact the USCG by commercial telephone or VHF radio channel 16 to request notification of boaters on Long Island Sound. Verification of this request will be made by return call on commercial telephone. Once verified, notification will proceed as described in Section E of this report.

Additional discussion is provided in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
LERO	7.1.3	3.8-6-6a
	7.2.4	11-15
	7.2.6	2, 3
	7.2.10	1, 2

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SECTION 4.0

#### 4.0 (N) Exercises and Drills

##### 4.1 (N.1) Alert and Notification System Exercises

Exercises which test the integrated capability of the Shoreham emergency response organization and LERO will be conducted in accordance with the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.5	8-7
	6.2.4	3-7
LERO	7.1.5	5.2.1
	7.2.11	18-21a

The capability to alert the public and provide an instructional message will normally be tested as an integral component of FEMA evaluated exercises.

On February 13, 1986 an exercise of the Local Emergency Response Organization (LERO) was conducted for the Shoreham Nuclear Power Station. This FEMA evaluated exercise addressed acceptance criteria N.1.(a,b).2 of FEMA-REP-10 by means of an undisclosed scenario to provide requisite initiating conditions for demonstration of the following emergency response capabilities:

- o Timely notification and mobilization of personnel, including those with alerting and notification responsibilities, such that they are in position to perform their organizational duties when required;
  
- o Transmission of emergency information, including protective action recommendations, from the Shoreham onsite emergency response organization to LERO;
  
- o Formulation and implementation of protective actions, including a decision to activate and simulated activation of the Shoreham PNS;
  
- o Formulation of an EBS message consistent with the recommended protective action and simulated activation of EBS and the broadcast of a test message, as required; and
  
- o Simulated verification of PNS operation and implementation of appropriate backup means, as required.

During the February 13, 1986 FEMA evaluated exercise, activation of both the PNS and EBS were simulated because until two days before the exercise, when it was declared unconstitutional by a federal court, a Suffolk County law made it a criminal offense to conduct any exercise activity that could affect the general population. Excerpts from the April 17, 1986 Post Exercise Assessment are provided as Section 8.2.

Elements of the notification process as demonstrated during the FEMA evaluated exercise are described in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.1	4-1-2, Figure 4-1
	6.1.2	5-6-7, 5-16-18
	6.1.3	6-12-14
	6.2.2	5-6
LERO	7.1.3	3.1-1-2, 3.2-1-3, 3.3-1-6, Figure 3.3.1, 3.4-1-8, Figure 3.4.1,
	7.2.3	1-5, 7-9
	7.2.4	2-9
	7.2.6	2-10

In the event that the PNS is not activated in conjunction with the FEMA evaluated exercise, a full scale activation will be performed once per year in accordance with Appendix 3 of NUREG-0654/FEMA-REP-1.

An evaluation date for the Shoreham PNS will be established by FEMA subsequent to submission of this report. As part of the evaluation, the Shoreham PNS will be activated and a telephone

survey will be conducted to determine the proportion of households alerted in fulfillment of 44 CFR 350.9(a) requirements.

#### 4.2 (N.2) Alert and Notification System Communication Drills

Emergency Communications systems are drilled and tested in accordance with the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.5	8-5-6
	6.2.4	3-5
	6.2.6	2-8
LERO	7.1.5	5.2-1
	7.2.8	1-3
	7.2.10	8
	7.2.11	18-19

Communications Drills are conducted on a regular basis. As part of each communications drill, selected communicators are required to operate communications equipment as part of the drill and are required to relay information prepared in advance by the Emergency Preparedness Coordinator to simulate actual emergency communication conditions.

RECS is the principal means of communications between participating emergency response organizations. A communications drill is conducted monthly. This drill consists of a test between the Shoreham Control Room, Technical Support Center or EOF and LERO facilities. Shoreham dedicated telephone lines to the NRC are tested monthly. LERO dedicated telephone lines are tested quarterly. The EBS stations test individually on a weekly basis. All required tests of the siren system are performed in accordance with EOM-70028 (Section 8.3.4) as previously described in Section 2.2.2.2 above.

Personnel specifically responsible for activation of the PNS, i.e., siren and EBS, receive annual training related directly to performance of these functions. Furthermore, these emergency response personnel participate in drills which practice these skills on a periodic basis and prior to the annual exercise.

In addition to testing communications equipment, such equipment is used in communications drills that are conducted on a periodic basis to keep communicators familiar with hardware usage and system operation.

#### 4.3 (N.3) Emergency Preparedness Drill and Exercise Scenarios

Scenarios which are utilized for drills and exercises present simulated initiating events consistent with various undisclosed plant related situations allowing response personnel to evaluate conditions, make decisions and implement appropriate actions.

The decision to activate the Shoreham PNS is not predetermined, but is a result of a series of decisions beginning with the evaluation and classification of plant conditions and progressing through the formulation and implementation of offsite protective actions.

Further discussion of scenario development, scenario content and application in drills and exercises may be found in the following documents:

<u>Plan</u>	<u>Sections</u>	<u>Pages</u>
SNPS	6.1.5	8-7-8
	6.2.4	4-6
LERO	7.1.5	5.1-2-3, 5.2-1
	7.2.11	13-14

4.4 (N.5) Evaluation Criteria and Review of Comments on Exercises and Drills

Each annual onsite exercise and biennial offsite exercise will be reviewed by selected staff of participating organizations and Federal observers. Recorded comments will be presented in accordance with NUREG-0654 during an exercise critique to be held as soon as practical following the exercise. Controller, Observer and Participant comments related to the offsite response organizations will be compiled, evaluated and incorporated by FEMA into the Post Exercise Assessment. LERO observers will record their comments on the Observer/Controller Log Sheets, Section 4 to OPIP 5.1.1, Training Procedure (Section 7.2.11). It is the responsibility of the Emergency Preparedness Coordinator to maintain Drill/Exercise comments for a minimum of five years. Further information related to the comment process, is contained in the following documents:

<u>Plan</u>	<u>Section</u>	<u>Pages</u>
SNPS	6.1.5	8-7
	6.2.4	6-9
LERO	7.1.5	5.2-1
	7.2.11	11-18



SECTION 6.2

PROCEDURES

( SECTION 6.2.1

EPID 1-4 )

EPC  
Approved: \_\_\_\_\_  
Manager NOSD \_\_\_\_\_  
Plant Manager \_\_\_\_\_  
Effective Date 8/10/88  
TC \_\_\_\_\_

INFORMATION ONLY

## EPIP 1-4 GENERAL EMERGENCY

### 1.0 PURPOSE

To provide instructions for implementing the response to a General Emergency.

### 2.0 RESPONSIBILITY

- 2.1 The Emergency Director or the Response Manager is responsible for implementing this procedure.
- 2.2 At event termination submit copies of completed forms and copies of Shift Log and other log entries to the Manager, Nuclear Emergency Preparedness.

### 3.0 PRECAUTIONS

- 3.1 Perform the appropriate steps for your position as Emergency Director or Response Manager.
- 3.2 Although certain of the steps in this procedure may have been implemented previously, the steps shall be repeated.
- 3.3 The following actions may not be delegated:
  - 3.3.1 Classification of the emergency
  - 3.3.2 Directing the notification of offsite officials
  - 3.3.3 Making protective action recommendations to offsite emergency management agencies
- 3.4 A General Emergency requires the immediate consideration of predetermined protective action recommendations.

### 4.0 PREREQUISITES

A General Emergency has been declared in accordance with EPIP 1-0, Classification of Emergency Action Levels.

5.0 ACTIONS

---

CAUTION

EMERGENCY DIRECTOR (CONTROL ROOM) - SECTION  
5.1  
EMERGENCY DIRECTOR (TSC) - SECTION 5.2  
RESPONSE MANAGER - SECTION 5.3

---

- 5.1 Emergency Director (Control Room), perform the following:

---

CAUTION

ENSURE THE APPROPRIATE ACTIONS ON THE IMPLEMENTING ACTIONS CHECKLIST (ATTACHMENT 1) ARE PERFORMED AND THEIR COMPLETION DENOTED.

---

- 5.1.1 Inform Control Room (CR) personnel that you have assumed duties as the Emergency Director and have declared a General Emergency.

---

CAUTION

ONCE AN EMERGENCY IS DECLARED,  
NOTIFY:

1. SUPFOLK COUNTY/NEW YORK STATE/LERO  
WITHIN 15 MINUTES.
  2. THE NRC WITHIN ONE HOUR.
-

---

CAUTION

THE ED LOG BOOK IS UTILIZED IN THE TSC ONLY;  
OFFICIAL CONTROL ROOM ED ENTRIES ARE  
INCORPORATED INTO THE SHIFT LOG BOOK.

---

- 5.1.2 Obtain the Emergency Director Procedures and Attachments Book located in the Emergency Plan Equipment Cabinet.
- 5.1.3 Log your actions in the Shift Log Book and file completed Event Classification Sheets in the labeled file folder.

---

CAUTION

ENSURE ALL ONSITE GAI-TRONICS SPEAKERS  
ARE ON BEFORE MAKING ANNOUNCEMENT(S)  
AND REMAIN ON DURING THE EMERGENCY.

---

- 5.1.4 Direct Control Room personnel to make an announcement per item 4, Attachment 1, over the page/party system.
  - 5.1.5 Direct the Control Room Communicator to begin notification of emergency response personnel in accordance with EPIP 1-5, Notifications (Item 5, Attachment 1) and execute subsequent items on Attachment 1.
- 5.2 Emergency Director (TSC), perform the following:
- 5.2.1 Ensure the appropriate actions on the Implementing Actions Checklist (Attachment 2) are performed and their completion denoted.

---

CAUTION

IF THE TSC HAS COMMAND AND CONTROL, BEGIN  
WITH ITEM 1, ATTACHMENT 2.

IF THE CONTROL ROOM HAS COMMAND AND  
CONTROL, BEGIN WITH ITEM 2, ATTACHMENT 2.

---

- 5.2.2 After classification of the event:

---

CAUTION

ONCE AN GENERAL EMERGENCY IS DECLARED,  
NOTIFY:

1. SUPPOLK COUNTY/NEW YORK STATE/LERO  
WITHIN 15 MINUTES.
  2. THE NRC WITHIN ONE HOUR.
- 

---

CAUTION

IF TIME ALLOWS, INFORM THE DIRECTOR OF SITE  
OPERATIONS OR NRC REPRESENTATIVE AT THE EOF  
PRIOR TO CONTACTING LERO/NY STATE/SUPPOLK  
COUNTY PRIOR TO CLASSIFYING OR MAKING  
PROTECTIVE ACTION RECOMMENDATION DECISIONS

---

- a. Inform TSC personnel that a General  
Emergency has been declared.
  - b. Log your actions in the Emergency  
Director Log Book and file completed  
Event Classification Record Sheet in the  
tabbed section.
  - c. Execute all subsequent items on  
attachment 2.
- 5.3 Response Manager, perform the following:
- 5.3.1 Ensure the appropriate actions on the  
Implementing Actions Checklist (Attachment 3)  
are performed and their completion denoted.

---

CAUTION

IF THE EOF HAS COMMAND AND CONTROL, BEGIN  
WITH ITEM 1, ATTACHMENT 3.

IF THE EOF DOES NOT HAVE COMMAND AND CONTROL,  
BEGIN WITH ITEM 2, ATTACHMENT 3.

---

- 5.3.2 Execute all subsequent items on Attachment 3.

6.0 REFERENCES

6.1 Developmental References

6.1.1 EPIP 1-0, Classification of Emergency Action Levels

6.2 Implementing References

6.2.1 EPIP 1-5, Notifications

6.2.2 EPIP 1-6, Evacuations

6.2.3 EPIP 1-7, Accountability

6.2.4 EPIP 1-8, Search for Missing Persons

6.2.5 EPIP 1-11, Operational Assessment

6.2.6 EPIP 1-12, Emergency Repair and Corrective Actions

6.2.7 EPIP 1-13, Emergency Radiochemistry Operations

6.2.8 SP 92.020.01, Security Requirements for Operational Emergencies

6.2.9 EPIP 2-1, Radiological Assessment

6.2.10 EPIP 2-3, Protective Action Recommendations

6.2.11 EPIP 3-3, Re-Entry

6.2.12 EPIP 3-4, Recovery

6.2.13 Fire Protection Plan

6.2.14 SP 39.500.04, Wading River Fire Department Interface

6.2.15 ANSI N45.2.9, Requirements for Collection Storage, and Maintenance of Records for Nuclear Power Plants

7.0 ATTACHMENTS

- 7.1 Emergency Director (CR) Implementing Actions Checklist for a General Emergency, Attachment 1
- 7.2 Emergency Director (TSC) Implementing Actions Checklist for a General Emergency, Attachment 2
- 7.3 Response Manager Implementing Actions Checklist for a General Emergency, Attachment 3
- 7.4 Predetermined Protective Action Recommendations for a General Emergency Classifications, Attachment 4
- 7.5 Evacuation Areas by Zone/Protective Action Recommendations by ERPA for General Classification, Attachment 5

**EMERGENCY DIRECTOR (CR) IMPLEMENTING ACTIONS CHECKLIST**  
**for a GENERAL EMERGENCY**

---

1. \_\_\_\_\_ Classify event per EPIP 1-0, Classification of Emergency Action Levels.
2. \_\_\_\_\_ Assume command and control of the emergency.

---

**CAUTION**

**NOTIFY SUFFOLK COUNTY/NEW YORK STATE/LERO  
WITHIN 15 MINUTES OR EVENT DECLARATION.**

**NOTIFY THE NRC WITHIN ONE HOUR OF EVENT  
DECLARATION.**

---

---

**CAUTION**

**THE ED LOG BOOK IS UTILIZED IN THE TSC ONLY;  
OFFICIAL CR ENTRIES ARE INCORPORATED INTO  
THE SHIFT LOG BOOK.**

---

3. \_\_\_\_\_ Obtain the Emergency Director's Procedure and Attachment Book from the Emergency Plan Equipment Cabinet.

---

**CAUTION**

**ENSURE ALL ONSITE GAI-TRONICS SPEAKERS ARE  
ON BEFORE MAKING ANNOUNCEMENT(S) AND REMAIN  
ON DURING THE EMERGENCY.**

---

4. \_\_\_\_\_ Direct Control Room Personnel to make a the following GENERAL EMERGENCY announcement three times at one minute intervals over the page party system.

**"Attention all personnel. Attention all personnel.  
A General Emergency has been declared. All members  
of the onsite emergency response organization  
report to your designated locations. All other  
personnel remain at your present location and await  
further instructions."**



**EMERGENCY DIRECTOR (CR) IMPLEMENTING ACTIONS CHECKLIST**  
**for a GENERAL EMERGENCY**  
(continued)

5. \_\_\_\_\_ Complete or direct the STA to complete an Event Summary Form from the Emergency Director's or STA's Procedure and Attachment book. Hand to Control Room Communicator for information during notifications.
6. \_\_\_\_\_ Direct the Control Room Communicator to begin notification of emergency response personnel in accordance with EPIP 1-5, Notifications.
7. \_\_\_\_\_ Direct the Control Room staff to ensure that the EBS tone alert radio is set up and in the standby mode.
8. \_\_\_\_\_ Implement EPIP 1-6, Evacuations and EPIP 1-7, Personnel Accountability.
9. \_\_\_\_\_ If there is a fire or personnel injury/illness:  
\_\_\_\_\_ Implement the appropriate Fire Protection plan procedure (SP 39.XXX.XXX).  
\_\_\_\_\_ If necessary, notify the Wading River Fire Department, in accordance with SP 39.500.04, Wading River Fire Department Interface.

**CAUTION**

**FOR GENERAL EMERGENCIES, THERE ARE PRE-DETERMINED PROTECTIVE ACTION RECOMMENDATIONS TO BE CONSIDERED IMMEDIATELY BASED ON PLANT CONDITIONS. UTILIZE ATTACHMENTS 4 AND 5 FOR REFERENCE. CONSULT WITH THE RAC FOR PROTECTIVE ACTION RECOMMENDATIONS.**

10. \_\_\_\_\_ Direct the Radiological Coordinator to:  
\_\_\_\_\_ **FIRST** implement Section 5.3 of EPIP 2-3, Protective Action Recommendations and immediately give you the results.  
\_\_\_\_\_ **THEN** implement EPIP 2-1, Radiological Assessment in consultation with a licensed operator.

**EMERGENCY DIRECTOR (CR) IMPLEMENTING ACTIONS CHECKLIST  
for a GENERAL EMERGENCY**

---

(continued)

11. \_\_\_\_\_ Direct the STA to implement EPIP 1-11, Operational Assessment per consultation with a licensed operator.
12. \_\_\_\_\_ Based upon results of Section 5.3 of EPIP 2-3, Protective Action Recommendations, approve appropriate predetermined protection actions.
13. Complete notification forms:
- \_\_\_\_\_ Obtain a Radiological Emergency Data Form and Supplementary Call List from the Emergency Director's Procedure and Attachment Book.
- \_\_\_\_\_ Complete and initial each form.
- \_\_\_\_\_ Hand the forms to the Control Room Communicator and instruct him to notify offsite agencies in accordance with EPIP 1-5, Notifications.
14. \_\_\_\_\_ Verify that all personnel have been accounted for. If not, implement EPIP 1-8, Search for Missing Persons.
15. Meet with the Watch Supervisor, STA and RAC:
- \_\_\_\_\_ Review the Event Notification Sheet; the Radiological Assessment Data; and Plant Parameter Data Sheet.
- \_\_\_\_\_ If conditions warrant, reclassify the event.
- \_\_\_\_\_ If necessary, implement EPIP 1-12, Emergency Repair and Corrective Actions.

---

**CAUTION**

ONCE THE CONTROL ROOM HAS ESTABLISHED CONTACT WITH THE NRC VIA THE ENS, THEY WILL BE EXPECTED TO MAINTAIN CONTINUOUS CONTACT. IF THE SAFE OPERATION OF THE PLANT REQUIRES THAT CONTACT BE INTERRUPTED, DO SO ONCE A CALL BACK SCHEDULE HAS BEEN ESTABLISHED WITH THE NRC DUTY OFFICER.

---

**EMERGENCY DIRECTOR (CR) IMPLEMENTING ACTIONS CHECKLIST**  
**for a GENERAL EMERGENCY**  

---

**(continued)**

16. \_\_\_\_\_ Direct that the NRC is called via ENS.

---

**CAUTION**

**IMPLEMENT STEP 15 ONLY IF CONTACTED BY THE SUPERVISING SERVICE OPERATOR (SSO) AND TOLD THAT THE COUNTY & LERO EOCs ARE NOT ACTIVATED.**

---

17. \_\_\_\_\_ Upon hearing the EBS message being broadcast via the EBS Tone Alert radio, and the SSO has confirmed EBS broadcast, activate the Prompt Notification System (offsite Sirens) using the instructions near the encoder.
18. \_\_\_\_\_ Verify that:

---

**CAUTION**

**NRC COMMUNICATIONS THROUGHOUT THE EVENT ARE MAINTAINED IN THE CONTROL ROOM; WHEREAS OTHER COMMUNICATIONS RESPONSIBILITIES MAY BE ASSUMED BY THE TSC/EOF.**

---

- \_\_\_\_\_ The Control Room is maintaining contact with the NRC.
- \_\_\_\_\_ Calls to Offsite Agencies are Completed.
19. \_\_\_\_\_ Review and approve both Part II - Radiological Assessment Data Sheet and Part III - Plant Parameters; hand to Communicator for transmittal to Offsite Agencies.

---

**CAUTION**

**CONTINUALLY EVALUATE THE NEED TO RECOMMEND OFFSITE PROTECTIVE ACTIONS BASED ON PLANT CONDITIONS.**

---

**EMERGENCY DIRECTOR (CR) IMPLEMENTING ACTIONS CHECKLIST  
for a GENERAL EMERGENCY**

---

(continued)

20. \_\_\_\_\_ If conditions are NOT stabilized, repeat Step 13  
and any other applicable steps.
- \_\_\_\_\_ If conditions are stabilized, consider re-entry per  
EPIP 3-3, Re-Entry.
21. \_\_\_\_\_ When re-entry has been performed or is near  
completion, evaluate ability to enter recovery mode  
per EPIP 3-4, Recovery.
22. \_\_\_\_\_ Brief the Emergency Director/Response Manager on  
the status of the emergency.

**EMERGENCY DIRECTOR (TSC) IMPLEMENTING ACTIONS CHECKLIST  
for a GENERAL EMERGENCY**

---

---

**CAUTION**

IF THE TSC HAS COMMAND AND CONTROL, BEGIN WITH STEP 1. IF THE CONTROL ROOM HAS COMMAND AND CONTROL BEGIN WITH STEP 2.

---

1. If the TSC has command and control:  
\_\_\_\_\_ Classify the emergency.
- 

---

**CAUTION**

NOTIFY THE SUPFOLK COUNTY/NEW YORK STATE/ LERO WITHIN 15 MINUTES OF EVENT DECLARATION.

NOTIFY THE NRC WITHIN ONE HOUR OF EVENT DECLARATION.

---

---

**CAUTION**

IF TIME ALLOWS, INFORM THE DIRECTOR OF SITE OPERATIONS OR NRC REPRESENTATIVE AT THE EOF/TSC PRIOR TO CONTACTING SUPFOLK COUNTY/NY STATE/LERO PRIOR TO CLASSIFYING OR MAKING PROTECTIVE ACTION RECOMMENDATION DECISIONS

---

\_\_\_\_\_ Inform TSC/OSC personnel that a General Emergency has been declared.

\_\_\_\_\_ Log your actions in the Emergency Director Log Book and file completed Event Classification Record Sheet in the tabbed section.

\_\_\_\_\_ Direct the EPA #2 to make the following General Emergency Announcement three times at one minute intervals over the page party system.

**EMERGENCY DIRECTOR (TSC) IMPLEMENTING ACTIONS CHECKLIST**  
**for a GENERAL EMERGENCY**  

---

**(Continued)**

"Attention all personnel. Attention all personnel. A General Emergency has been declared. All personnel remain at your present location and await further instructions."

\_\_\_\_\_ Direct the EPA #2 to activate the Group Tone 1 and 2 pagers for the General Emergency Notification.

\_\_\_\_\_ Implement EPIP 1-6, Evacuations and EPIP 1-7, Personnel Accountability.

---

**CAUTION**

FOR GENERAL EMERGENCIES, THERE ARE PREDETERMINED PROTECTIVE ACTION RECOMMENDATIONS TO BE CONSIDERED IMMEDIATELY BASED ON PLANT CONDITIONS. UTILIZE ATTACHMENTS 4 and 5 FOR REFERENCE. CONSULT WITH THE RAC FOR PROTECTIVE ACTION RECOMMENDATIONS.

\_\_\_\_\_ Direct the RAC to implement Section 5.3 of EPIP 2-3, Protective Action Recommendations.

\_\_\_\_\_ Based upon results of EPIP 2-3, Protective Action Recommendations, approve appropriate predetermined protective actions. Utilize Attachments 4 and 5 of this procedure for reference.

\_\_\_\_\_ Go to Step 4.

2. \_\_\_\_\_ If the Control Room has command and control:

\_\_\_\_\_ Receive a briefing from the Emergency Director (CR).

\_\_\_\_\_ Meet with key TSC personnel to brief them on the status of the emergency, and to determine the status of TSC set up and personnel availability.

\_\_\_\_\_ Accept command and control from the Control Room.

\_\_\_\_\_ Inform TSC/OSC staff that the TSC has assumed command and control.

**EMERGENCY DIRECTOR (TSC) IMPLEMENTING ACTIONS CHECKLIST**  
**for a GENERAL EMERGENCY**  

---

**(Continued)**

3. \_\_\_\_\_ Direct the EPA #2 to make the following page/party announcement three times at one minute intervals declaring the TSC activated.
- \*Attention all personnel. Attention all personnel. The TSC has command and control.\***
4. \_\_\_\_\_ Log all actions in the Emergency Director Log Book.
5. \_\_\_\_\_ Direct the EPA #2 to ensure that the EBS Tone Alert radio is setup and in the standby mode.

---

**CAUTION**

**IMPLEMENT STEP 6 ONLY IF CONTACTED BY THE SUPERVISING SERVICE OPERATOR AND TOLD THAT THE COUNTY AND LERO EOC'S ARE NOT ACTIVATED.**

---

6. \_\_\_\_\_ Upon hearing the EBS Message being broadcast via EBS Tone Alert radio, and the SSO has confirmed EBS broadcast, direct the Watch Engineer in the control room to activate the PROMPT NOTIFICATION SYSTEM.
7. \_\_\_\_\_ Review and approve completed Radiological Emergency Data Forms, Parts I, II and III and Supplementary Notification Call List.
8. \_\_\_\_\_ Ensure that the following procedures are being implemented by the appropriate individuals:
- \_\_\_\_\_ EPIP 2-1, Radiological Assessment (RAC).
- \_\_\_\_\_ EPIP 1-13, Emergency Radiochemistry Operations (Chemistry Coordinator).
- \_\_\_\_\_ EPIP 1-11, Operational Assessment (Operations Assessment Coordinator).
- \_\_\_\_\_ SP 92.020.01, Security Requirements for Operational Emergencies.
9. \_\_\_\_\_ Based on the results of accountability, implement EPIP 1-8, Search for Missing Persons, if necessary.



EMERGENCY DIRECTOR (TSC) IMPLEMENTING ACTIONS CHECKLIST  
for a GENERAL EMERGENCY

(Continued)

10. At periodic intervals, meet with key TSC personnel.
- \_\_\_\_\_ Review Radiological Assessment Data Sheet and Plant Parameter Data Sheet.
- \_\_\_\_\_ If conditions warrant, reclassify event.
- \_\_\_\_\_ If necessary, EPA #2 activated Group Tone 1 and 2 pagers.
- \_\_\_\_\_ If necessary, implement EPIP 1-12, Emergency Repair and Corrective Actions.

---

CAUTION

NRC COMMUNICATIONS THROUGHOUT THE EVENT ARE MAINTAINED IN THE CONTROL ROOM; WHEREAS OTHER COMMUNICATIONS RESPONSIBILITIES MAY BE ASSUMED BY THE TSC/EOF.

---

11. \_\_\_\_\_ Ensure the Control Room maintains contact with the NRC using the Emergency Notification System (ENS).
12. \_\_\_\_\_ Verify that required notifications are being transmitted.
13. \_\_\_\_\_ Evaluate the need to recommend offsite protective actions in accordance with EPIP 2-3, Protective Action Recommendations.
14. \_\_\_\_\_ If conditions are not stabilized, repeat step 10 and any other applicable steps.
- \_\_\_\_\_ If conditions are stabilized, consider re-entry per EPIP 3-3, Re-Entry.
15. \_\_\_\_\_ When re-entry has been performed or is near completion, evaluate ability to enter recovery mode in accordance with EPIP 3-4, Recovery.
16. \_\_\_\_\_ Upon receipt of a call, brief the Response Manager on the status of the emergency.



RESPONSE MANAGER IMPLEMENTING ACTIONS CHECKLIST  
for a GENERAL EMERGENCY

---

---

CAUTION

IF THE EOF HAS COMMAND AND CONTROL, BEGIN WITH ITEM 1.  
IF THE EOF DOES NOT HAVE COMMAND AND CONTROL, BEGIN WITH ITEM 2.

---

1. If the EOF has command and control:  
Classify the event.
- 

CAUTION

NOTIFY NEW YORK STATE/SUFFOLK COUNTY/  
LERO WITHIN 15 MINUTES OF EVENT  
DECLARATION.

NOTIFY THE NRC WITHIN ONE HOUR OF EVENT  
DECLARATION.

---

---

CAUTION

IF TIME ALLOWS, INFORM THE DIRECTOR OF SITE  
OPERATIONS OR NRC REPRESENTATIVE AT THE  
EOF/TSC PRIOR TO CONTACTING SUFFOLK COUNTY/NY  
STATE/LERO PRIOR TO CLASSIFYING OR MAKING  
PROTECTIVE ACTION RECOMMENDATION DECISIONS

---

Inform personnel that a General Emergency has been  
declared.

---

CAUTION

FOR GENERAL EMERGENCIES, THERE ARE PRE-  
DETERMINED PROTECTIVE ACTION RECOMMEN-  
DATIONS TO BE CONSIDERED IMMEDIATELY BASED  
ON PLANT CONDITIONS. UTILIZE ATTACHMENTS  
4 and 5 FOR REFERENCE. CONSULT WITH THE  
EOC, OTSC & EPA #1.

---

**RESPONSE MANAGER IMPLEMENTING ACTIONS CHECKLIST**  
**for a GENERAL EMERGENCY**

(Continued)

- \_\_\_\_\_ Direct the EPA #1 to activate the Group Tone #1 and #2 pagers for the General Emergency Notification.
  - \_\_\_\_\_ Direct the EAC to implement Section 5.3 of EPIP 2.3, Protective Action Recommendations.
  - \_\_\_\_\_ Based upon results of EPIP 2-3, Protective Action Recommendations, approve appropriate predetermined protective actions. Utilize Attachments 4 and 5 of this procedure for reference.
  - \_\_\_\_\_ Go to step 3
  - 2. \_\_\_\_\_ If the EOF does not have command and control:
    - \_\_\_\_\_ Receive a briefing from the Emergency Director (CR/TSC).
    - \_\_\_\_\_ Meet with key EOF personnel to brief them on the status of the emergency, and to determine the status of EOF set up and personnel availability.
- 
- CAUTION**
- 
- NRC COMMUNICATIONS THROUGHOUT THE EVENT ARE MAINTAINED IN THE CONTROL ROOM; WHEREAS OTHER COMMUNICATIONS RESPONSIBILITIES MAY BE ASSUMED BY THE TSC/EOF.
- 
- \_\_\_\_\_ When appropriate, accept command and control from the Control Room/TSC.
  - \_\_\_\_\_ Inform personnel that the EOF has assumed command and control from the CR/TSC.
  - 3. \_\_\_\_\_ Direct the EPA #1 to ensure that the EBS Tone Alert radio is setup and in the standby mode.

**RESPONSE MANAGER IMPLEMENTING ACTIONS CHECKLIST**  
**for a GENERAL EMERGENCY**  

---

**(Continued)**

---

**CAUTION**

**IMPLEMENT STEP 4 ONLY IF CONTACTED BY THE SUPERVISING SERVICE OPERATOR AND TOLD THAT THE COUNTY AND LERO EOC'S ARE NOT ACTIVATED.**


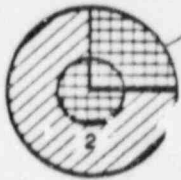
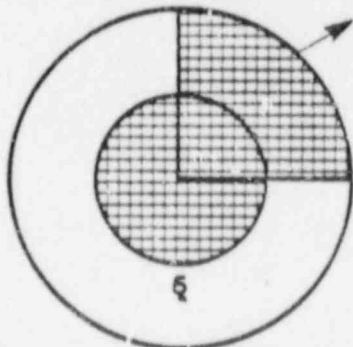
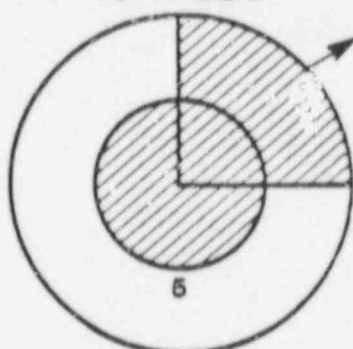
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4. \_\_\_\_\_ Upon hearing the EBS Message being broadcast via the EBS Tone Alert radio, and the SSO has confirmed EBS broadcast, direct the Watch Engineer in the control room to activate the Prompt Notification System.
5. \_\_\_\_\_ Log your actions in the Response Manager Log Book.
6. \_\_\_\_\_ Review and approve Radiological Emergency Data Forms Parts I, II, and III and Supplementary Notification Call List.
7. \_\_\_\_\_ Ensure that the Environmental Assessment Coordinator (EAC) implements EPIP 2-1, Radiological Assessment.
8. \_\_\_\_\_ At periodic intervals, meet with key EOF personnel:  
\_\_\_\_\_  
Review plant status.  
\_\_\_\_\_  
Determine whether any plant conditions have changed or may potentially change. If so, reclassify event in accordance with EPIP 1-0, Classification of Emergency Action Levels.  
\_\_\_\_\_  
If necessary, EPA #1 activates Group Tone 1 and 2 pagers when event is reclassified.  
\_\_\_\_\_  
Discuss the need for plant repairs/corrective actions.
9. \_\_\_\_\_ Recommend to the Emergency Director the need for plant repairs/corrective actions.
10. \_\_\_\_\_ Evaluate the need to recommend offsite protective actions in accordance with EPIP 2-3, Protective Action Recommendations.

RESPONSE MANAGER IMPLEMENTING ACTIONS CHECKLIST  
for a GENERAL EMERGENCY  
(Continued)

11. \_\_\_\_\_ If conditions are not stabilized, repeat step 8 and any other applicable steps.
- \_\_\_\_\_ If conditions are stabilized, consider re-entry per EPIP 3-3, Re-entry.
12. \_\_\_\_\_ When re-entry has been performed or is near completion, evaluate ability to enter recovery mode in accordance with EPIP 3-4, Recovery.

## PREDETERMINED PROTECTIVE ACTION RECOMMENDATIONS FOR GENERAL EMERGENCY CLASSIFICATIONS

	1 CORE FAILURE	2 CONTAINMENT FAILURE	PAR TO BE CONSIDERED
COND. I	NO	NO	 2 MILES
COND. II	YES	NO	 5 MILES WIND DIRECTION
COND. III	YES	LIKELY BUT NOT WITHIN 3 HOURS	 10 MILES WIND DIRECTION
COND. IV	YES	YES OR WITHIN 3 HOURS	 10 MILES WIND DIRECTION

**NOTE:**

1. CORE FAILURE-RELEASE OF FISSION PRODUCTS INTO CONTAINMENT
2. CONTAINMENT FAILURE-RELEASE OF FISSION PRODUCTS INTO ATMOSPHERE

 EVACUATION  
 AREA

 SHELTERING  
 AREA

 WIND  
 DIRECTION  
 TOWARD

**EVACUATIONS AREAS BY ZONES**  
**OBJECTIVE ACTION RECOMMENDATIONS BY ERPA FOR GENERAL EMERGENCY CLASSIFICATIONS**

Wind From	(Degrees)	Condition I	Condition II	Condition III	Condition IV
N	349 to 11	Evacuate: ABCDE	Evacuate: ABCDEGHI Shelter: FJ	Evacuate: ABCDEFGHIJ KLMOR	Shelter: ABCDEFGHIJ KLMNOR
NNE	12 to 33	Evacuate: ABCDE	Evacuate: ABCDEGH Shelter: FIJ	Evacuate: ABCDEFGHIJ KLMNOR	Shelter: ABCDEFGHIJ KLMNOR
NE	34 to 56	Evacuate: ABCDE	Evacuate: ABCDEFGH Shelter: IJ	Evacuate: ABCDEFGHIJ KLMNQR	Shelter: ABCDEFGHIJ KLMNQR
ENE	57 to 78	Evacuate: ABCDE	Evacuate: ABCDEFG Shelter: HIJ	Evacuate: ABCDEFGHIJ KLMQR	Shelter: ABCDEFGHIJ KLMQR
E	79 to 101	Evacuate: ABCDE	Evacuate: ABCDEFG Shelter: HIJ	Evacuate: ABCDEFGHIJ KLQR	Shelter: ABCDEFGHIJ KLQR
ESE	102 to 123	Evacuate: ABCDE	Evacuate: ABCDEFG Shelter: HIJ	Evacuate: ABCDEFGHIJ KQ	Shelter: ABCDEFGHIJ KQ
SE	124 to 146	Evacuate: ABCDE	Evacuate: ABCDEF Shelter: GHIJ	Evacuate: ABCDEFGHIJ KQ	Shelter: ABCDEFGHIJ KQ
SSE	147 to 168	Evacuate: ABCDE	Evacuate: ABCDE Shelter: FGHIJ	Evacuate: ABCDEFGHIJ	Shelter: ABCDEFGHIJ
S	169 to 191	Evacuate: ABCDE	Evacuate: ABCDE Shelter: FGHIJ	Evacuate: ABCDEFGHIJ	Shelter: ABCDEFGHIJ
SSW	192 to 213	Evacuate: ABCDE	Evacuate: ABCDE Shelter: FGHIJ	Evacuate: ABCDEFGHIJ	Shelter: ABCDEFGHIJ
SW	214 to 236	Evacuate: ABCDE	Evacuate: ABCDEFJ Shelter: FGHI	Evacuate: ABCDEFGHIJ P	Shelter: ABCDEFGHIJ P
WSW	237 to 258	Evacuate: ABCDE	Evacuate: ABCDEFJ Shelter: FGHI	Evacuate: ABCDEFGHIJ OPS	Shelter: ABCDEFGHIJ OPS
W	259 to 281	Evacuate: ABCDE	Evacuate: ABCDEFJ Shelter: FGI	Evacuate: ABCDEFGHIJ OPS	Shelter: ABCDEFGHIJ OPS
WNW	282 to 303	Evacuate: ABCDE	Evacuate: ABCDEHIJ Shelter: FG	Evacuate: ABCDEFGHIJ OPS	Shelter: ABCDEFGHIJ OPS
NW	304 to 326	Evacuate: ABCDE	Evacuate: ABCDEHIJ Shelter: FG	Evacuate: ABCDEFGHIJ NOPS	Shelter: ABCDEFGHIJ NOPS
NNW	327 to 348	Evacuate: ABCDE	Evacuate: ABCDEGHIJ Shelter: F	Evacuate: ABCDEFGHIJ IMNOS	Shelter: ABCDEFGHIJ IMNOS

SECTION 6.2

PROCEDURES

(SECTION 6.2.4

EPIP 4-4 ;

EPC  
Approved: *Sam V. King*  
Manager NOSD: *L. J. Britt*  
Plant Manager: *W. Chappell*  
Effective Date: *5-16-88*  
TC: \_\_\_\_\_

FOR INFORMATION  
ONLY

### EPIP 4-4 RUMOR CONTROL

#### 1.0 PURPOSE

To provide Public Information personnel a method for handling rumors initiated during an incident at the Shoreham Nuclear Power Station (SNPS).

#### 2.0 RESPONSIBILITY

- 2.1 The Emergency News Manager (ENM) is responsible for coordination of the Rumor Control Program.
- 2.2 The External Communications Coordinator (ECC) is responsible for supervising the operational aspects of rumor control at the direction of the ENM. His duties will include:
  - a. Initiating and maintaining communications with the District Offices and Callboards.
  - b. Ensure speedy dissemination of all approved emergency information to the District Offices and Callboards.
  - c. Supervise and monitor the Rumor Control Administrative Staff and the External Communications Support Staff.
  - d. Ensure all rumor control forms are routed to the proper ENC personnel for drafting of responses.



- 2.3 The Public Information Coordinator (PIC) will supervise all Media Monitoring activities as directed by the ENM, to include:
  - a. Direct the Media Monitors to monitor TV, radio, newspapers and wire services for accuracy.
  - b. Advising the ENM and External Communications Coordinator on misinformation that the media has presented to the public.
  - c. Assist the Emergency News Manager in preparing corrective statements.
  - d. Assist the External Communications Coordinator in Rumor Control operations.
- 2.4 The Rumor Control Administrative Staff is responsible for transmitting LILCO and LERO press releases, EBS messages, and rumor control responses to the District Offices and Callboards via computer.
- 2.5 The External Communications Support Staff is responsible for:
  - a. Receiving, transcribing and logging all rumor information received from the Callboards and District Offices.
  - b. Requesting the External Communications Coordinator to route the rumors/questions to the appropriate representative to formulate a response.
  - c. Transmitting the response to the Callboard and District Office that initiated the request.
- 2.6 The District Office and Callboard Supervisors are responsible for all rumor control operations at their respective locations.
- 2.7 Media Monitors are responsible for:
  - a. Taping information transmitted by the media regarding the emergency at SNPS, as possible.
  - b. Informing the PIC when misinformation is being broadcast.

3.0 PRECAUTIONS

- 3.1 District Offices and Callboards will be mobilized upon an Alert or higher emergency classification or at the Notification of Unusual Event if the ENC activated.
- 3.2 All forms/documents must be retained for review and storage per ANSI N45.2.9.

4.0 PREREQUISITES

A Notification of Unusual Event, Alert, Site Area Emergency or General Emergency has been declared at the Shoreham Nuclear Power Station (SNPS).

5.0 ACTIONS

5.1 Emergency News Manager

- 5.1.1 Ensure that the External Communications Coordinator (ECC):
- a. Has established contact with the District Offices and Customer Callboards.
  - b. Is supervising the transmission of press releases and all other approved information to the District Offices and Callboards.
- 5.1.2 Ensure that the PIC is supervising the Media Monitoring group.
- 5.1.3 Assist in determining the correct response to rumors/questions and help formulate replies.

5.2 External Communications Coordinator (ECC)

- 5.2.1 Upon arrival at the ENC, prepare the Rumor Control Area for activation.
- 5.2.2 When the Emergency Communications Director declares the ENC operational, supervise the operational aspects of rumor control as directed by the Emergency News Manager.
- 5.2.3 Ensure that all District Offices and Customer Callboards are notified that the ENC is operational and that the time of each call is documented on the Acknowledgement of External Communications form (Attachment 1).
- 5.2.4 Ensure that the Rumor Control Administrative Staff sends the computer test message and that the time of the test is logged onto the Acknowledgement of External Communications form (Attachment 1).
- 5.2.5 Ensure that the Rumor Control Administrative Staff receives all press releases and other approved information for transmission to the District Offices and Callboards and that all such transmissions are properly logged.

- 5.2.6 Ensure that the External Communications Support Staff properly logs all press releases and test message calls; incoming rumors/ questions; assigns the rumor/questions I.D. numbers; and logs the time the responses are transmitted and acknowledged.

---

CAUTION

ALL NUCLEAR RELATED RUMORS MUST BE  
HANDLED BY THE ENM OR HIS DESIGNEE

---

- 5.2.7 Route rumors/questions to the proper individual(s) in the ENC who can best provide the answer.
- 5.3 Rumor Control Administrative Staff
- 5.3.1 Establish and verify CICS Production 2 computer communications with the District Offices and Callboards.
- 5.3.2 Transmit the release to the District Offices and Callboards.
- 5.4 External Communications Support Staff
- 5.4.1 Transmission Logs:
- a. As they are received from the ECC, log all press releases and other approved information onto the ENC External Communications Transmission Log (Attachment 2).
    1. Assign the release a number.
    2. Indicate the time you received the release for transmission.
    3. Describe:
      - a. The type of release (i.e., press release, EBS message, etc.)

- b. The agency issuing the information (LILCO, LERO, New York State, Suffolk County, NRC, etc.).

4. Give a brief summary of the information.

- b. Route release to the Rumor Control Administrative Staff for transmission to the District Offices and Callboards.
- c. Record time the message was transmitted on the Acknowledgement of External Communications form (Attachment 1) and the ENC External Communications Transmission Log (Attachment 2).
- d. Record the time the release was acknowledged on the Acknowledgement of External Communications Form (Attachment 1) and the ENC External Communications Transmission Log (Attachment 2).
- e. Retain all copies for record purposes.

5.4.2 Rumor Control/Phones

- a. Establish and verify telephone communications with the District Offices and Callboards.
- b. Upon receipt of a rumor/question, obtain a blank copy of the ENC Rumor Control Form (Attachment 3) and complete Part 1 of the form.
- c. Request a Rumor I.D. Number from the Log Keeper; record it on the ENC Rumor Control Form (Attachment 3) and relate the I.D. Number to the initiator of the call for future reference.
- d. Hand the Rumor Control Form to the Log Keeper to complete the log in process.
- e. Upon receipt from the Log Keeper of an answered Rumor Control Form, report the findings back to the District Office or Callboard that initiated the request.

- f. Record any remarks in Part 4 of the ENC Rumor Control Form (Attachment 3).
- g. Hand the completed Rumor Control Form to the Log Keeper to complete the log-out process and for record keeping purposes.

5.4.3 Rumor Control/Logs

- a. Issue Rumor Control I.D. numbers, as requested.
- b. Upon receiving a Rumor Control Form with Part 1 completed, complete the log-in process on the External Communications Rumor Log Form (Attachment 4).
  1. Indicate the time the rumor/question was received.
  2. Indicate the District Office or Callboard that called in the rumor/question.
  3. Give a brief description of the rumor/question.
- c. Hand the Rumor Control Form to the ECC for routing to the person in the ENC best able to answer the rumor/question.
- d. Upon receipt from the ECC of an answered Rumor Control Form, indicate on the External Communications Rumor Log Form (Attachment 4):
  1. the time the answer was received.
  2. whether LILCO or LERO answered the rumor/question.
  3. a brief description of the answer.
- e. Hand the answered form to one of the operators.
- f. Once the answer has been transmitted to the District Office or Callboard, indicate on the Rumor Log form the time the answer was sent.



- g. Retain all completed forms for recordkeeping purposes.

5.5 District Office/Callboard Personnel

---

CAUTION

DISTRICT OFFICE AND CALLBOARD PERSONNEL MUST BE CAUTIONED THAT ALL CALLS REGARDING THE EMERGENCY MUST BE HANDLED BY DESIGNATED PERSONNEL.

---

- 5.5.1 District Office/Callboard Operators, upon receipt of rumor or question:
- a. Obtain a blank copy of the District Office/Callboard Rumor Control Inquiry Form (Attachment 5).
  - b. Complete Part 1 of the form.
  - c. IF you have appropriate hard copy available, THEN
    1. Answer the rumor/question. Hard copy should include but not be limited to:
      - Copies of appropriate public information brochures.
      - Maps of the 10 mile EPZ showing evacuation and bus routes.
      - Copies of all press releases.
      - Copies of EBS messages.
      - Answers to previous questions.
    2. Indicate in Part 2 of the District Office/Callboard Rumor Control Inquiry Form what information you used to answer the rumor/question.
    3. Log a description of any remarks and note the time the answer was transmitted on Part 4 of the District Office/Callboard Rumor Control Inquiry Form.

4. Retain all completed forms for future reference and subsequent filing.
  - d. If you do not have appropriate hard copy to answer the rumor/question, **THEN** route the District Office/Callboard Rumor Control Inquiry Form to the District Office/Callboard Supervisor.
  - e. Upon receiving the District Office/Callboard Rumor Control Inquiry Form with answer from the ENC:
    1. Attempt to call back the initiator of the rumor/question and relay the response.
    2. Log a description of any remarks and note the time the answer was transmitted on Part 4 of the District Office/Callboard Rumor Control Inquiry Form.
    3. Retain all completed forms for future reference and subsequent filing.
- 5.2.2 District Office and Callboard Supervisors (or Designee)
- a. Coordinate and supervise rumor control activities in your offices.
  - b. As messages are received from the ENC, log them onto the District Office/Callboard Message Log (Attachment 6)
    1. Indicate the Message/View Number; Release Number; Time Received

---

**CAUTION**

**ENSURE YOU IDENTIFY THE AGENCY ISSUING  
THE RELEASE**

---



2. Give a brief description of the release/bulletin.
3. Indicate time the release was acknowledged and your initials.
- c. Ensure all operators receive copies of all transmitted messages.
- d. If an operator is unable to answer a rumor/question, **THEN:**
  1. Obtain the District Office/Callboard Rumor Control Inquiry Form for that rumor/question from the operator.
  2. Log the rumor/question on the District Office and Callboard Rumor Control Log (Attachment 7) by filling in the time the call was received, the name of the operator who received the call, and a brief description of the rumor/question.
  3. Call the rumor question to the External Communications Support Staff in the ENC.
  4. Obtain a rumor I.D. number for the rumor/question and log it on the Log form and the District Office/Callboard Rumor Control Inquiry Form.
  5. Upon call back from the ENC, transcribe response to the rumor/question on the appropriate District Office/Callboard Rumor Control Inquiry Form correlating I.D. numbers.
  6. Log the time the answer from the ENC was received and a brief description of the answer on the District Office/Callboard Rumor Control Log.
  7. Hand the complete District Office/Callboard Rumor Control Form to the appropriate operator for transmission of the response to the initiator.
3. Retain all paperwork for records purposes.

5.6 Public Information Coordinator (PIC)

- 5.6.1 Upon arrival at the ENC, prepare the Media Monitoring area for activation.
- 5.6.2 When the Emergency Communications Director declares the ENC operational, supervise the operational aspects of Media Monitoring as directed by the ENM.
- 5.6.3 Direct the Media Monitors to:
  - a. Monitor the TV, radio, newspapers and wire services for accuracy.
  - b. When possible, tape all incident reports.
  - c. Log all incident related broadcasts on a Media Monitor Checklist (Attachment 8).
  - d. Immediately report any misinformation observed on broadcast news reports.
- 5.6.4 Upon receiving a Media Monitor Checklist indicating that misinformation is being broadcast:
  - a. Inform the ENM of the misinformation so that corrective statements can be made in the next press briefing.
  - b. Help the ENM or his designee in formulating corrective statements.
  - c. If a representative of the news source broadcasting the misinformation is present in the ENC, speak to him/her about the corrective statements.
  - d. If necessary, have the Media Response Personnel call the news service with the corrective statement.
- 5.6.5 In anticipation of rumors that may be generated, inform the ECC of the misinformation being broadcast and of corrective statements.

- 5.7 Media Monitors, as directed by the PIC
  - 5.7.1 Monitor the TV, radio, newspapers and wire services for accuracy.
  - 5.7.2 When possible, tape all incident reports.
  - 5.7.3 Log all incident related broadcasts on a Media Monitor Checklist (Attachment 8).
    - a. Indicate the Date, Time, and your name
    - b. Indicate the TV/Radio station
    - c. Give a summary of what the reporter said
    - d. If protective actions have been made, note any errors.
    - e. Indicate any misinformation that is being broadcast
  - 5.7.4 Route the Media Monitor Checklist to the PIC for immediate action.

6.0 REFERENCES

- 6.1 Developmental References
  - None
- 6.2 Implementing References
  - 6.2.1 EPIP 4-3, Public Information For An Alert/Site Area/General Emergency
  - 6.2.2 EPIP 4-6, Emergency News Center Activation
  - 6.2.3 EPIP 4-7, Public Information Emergency Organization

7.0 ATTACHMENTS

- 7.1 Acknowledgement of External Communications, Attachment 1
- 7.2 ENC External Communications Transmission Log, Attachment 2
- 7.3 ENC Rumor Control Form, Attachment 3
- 7.4 External Communications Rumor Log, Attachment 4
- 7.5 District Office/Callboard Rumor Control Inquiry Form, Attachment 5
- 7.6 District Office/Callboard Message Log, Attachment 6
- 7.7 District Office/Callboard Rumor Control Log, Attachment 7
- 7.8 Media Monitor Checklist, Attachment 8

IILCO Releases \_\_\_\_\_  
 LERO RELEASES \_\_\_\_\_  
 ERS Messages \_\_\_\_\_  
 Other \_\_\_\_\_  
 (describe)

EPIP 4-4  
 Page 14 of 21  
 Attachment 1  
 Page 1 of 1

ACKNOWLEDGEMENT OF EXTERNAL COMMUNICATIONS

Date \_\_\_\_\_  
 Location \_\_\_\_\_  
 Page \_\_\_\_\_ of \_\_\_\_\_

LOCATION	TIME TEST MSG SENT	PHONE LINES TESTED	RLS #		SENT REC'D		SENT REC'D		SENT REC'D	
			SENT	REC'D	SENT	REC'D	SENT	REC'D	SENT	REC'D
BABYLON										
BELLMORE										
BRENTWOOD										
BRIDGEHAMPTON										
GARDEN CITY										
HEWLETT										
HICKSVILLE										
HUNTINGTON										
PATCHOGUE										
PORT JEFFERSON										
RIVERHEAD										
ROSLYN										
BRENTWOOD CALL BD										
HEWLETT CALL BD										
HICKSVILLE CALL BD										
RIVERHEAD CALL BD										

Instructions: \* Log Time Release Received.  
 Use Military Time.

**SAMPLE**

LEAD Release  
LEAD Release  
EKS Release  
Other

(describe)

EMC EXTERNAL COMMUNICATIONS  
TRANSMISSION LOG

Date \_\_\_\_\_  
Time Activated \_\_\_\_\_  
Page \_\_\_\_\_ of \_\_\_\_\_  
Acknowledgement of Receipt \_\_\_\_\_  
#Time Last Acknowledged \_\_\_\_\_

Location(s) Sent \_\_\_\_\_

#Time Sent \_\_\_\_\_

Brief Description of Release and/or Bulletin \_\_\_\_\_

#Time Rec'd \_\_\_\_\_

No. \_\_\_\_\_

INSTRUCTIONS: Number Each Release As Received Both On Log And Release Itself.

\* Use Military Time.

SAMPLE

# SAMPLE

EPIP 4-4  
Page 16 of 21  
Attachment 3  
Page 1 of 1

## ENC RUMOR CONTROL FORM

Rumor I.D. No. \_\_\_\_\_ DATE: \_\_\_\_\_ \*TIME: \_\_\_\_\_ INITIALS \_\_\_\_\_

### 1. Reported by:

Corporate Communications Department \_\_\_\_\_ Emergency Operations Center \_\_\_\_\_  
Emergency News Center \_\_\_\_\_ Customer Callboard \_\_\_\_\_ (Identify)  
District Office \_\_\_\_\_ Other \_\_\_\_\_ (Identify)  
(Identify)

### Source:

Customer \_\_\_\_\_ Gov't. Official \_\_\_\_\_ Media \_\_\_\_\_ Employee \_\_\_\_\_

Name \_\_\_\_\_ Call Back Tel. No. \_\_\_\_\_  
Street \_\_\_\_\_ Town \_\_\_\_\_  
Rumor or Inquiry: \_\_\_\_\_

\*\*\*\*\*  
2. Rumor Referred to: ENM \_\_\_\_\_ ECC/PIC \_\_\_\_\_ LERO \_\_\_\_\_ \*Time \_\_\_\_\_

\*\*\*\*\*  
3. Response to Rumor/Inquiry:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Response by: \_\_\_\_\_ \*Time/date \_\_\_\_\_ / \_\_\_\_\_  
(Initials)

\*\*\*\*\*  
4. Response Relayed:

Yes \_\_\_\_\_ No \_\_\_\_\_ By: \_\_\_\_\_ \*Time/Date \_\_\_\_\_ / \_\_\_\_\_

Response Relayed to: \_\_\_\_\_ Rec'd by: \_\_\_\_\_  
(Location) (initials)

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\* Use Military Time.







# SAMPLE

EPIP 4-4  
Page 18 of 21  
Attachment 5  
Page 1 of 1

## DISTRICT OFFICE/CALLBOARD RUMOR CONTROL INQUIRY FORM

\*RUMOR I.D. NO. \_\_\_\_\_

D.O./Callboard: \_\_\_\_\_  
OPERATOR NAME: \_\_\_\_\_  
DATE: \_\_\_\_\_ \*\* TIME: \_\_\_\_\_

1. RUMOR/QUESTION

Source: Customer \_\_\_\_\_ Gov't Official \_\_\_\_\_ Media \_\_\_\_\_ Employee \_\_\_\_\_

Name \_\_\_\_\_ Call Back Tel. No. \_\_\_\_\_  
Address \_\_\_\_\_

Rumor/Question (Verbatim): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. A. Rumor Answered Using (Check as Appropriate):

LILCO News Release # \_\_\_\_\_ LERO News Release # \_\_\_\_\_  
EBS Message # \_\_\_\_\_ Public Information Brochure \_\_\_\_\_  
Other Source (describe) \_\_\_\_\_

B. Rumor Forwarded to ENC at \_\_\_\_\_ hrs via TEL \_\_\_\_\_ CRT \_\_\_\_\_

3. ENC RESPONSE

Received By: \_\_\_\_\_ From: \_\_\_\_\_  
(Initials) (Initials)

Via: TEL \_\_\_\_\_ CRT \_\_\_\_\_ \*\*Time Rec'd. \_\_\_\_\_

Response: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. RELAY OF RESPONSE

Response Relayed to Originating Party?

YES \_\_\_\_\_ NO \_\_\_\_\_ OPERATOR \_\_\_\_\_ \*\*Time/Date \_\_\_\_\_ /  
(Initials)

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\* I.D. will be given by External Communications personnel at ENC.  
\*\* Use military time.

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05/05/86

# SAMPLE

FPIP 4-4  
Page 19 of 21  
Attachment 6  
Page 1 of 1

## DISTRICT OFFICE/CALLBOARD MESSAGE LOG

Date \_\_\_\_\_  
Time Activated \_\_\_\_\_  
Page \_\_\_\_\_ of \_\_\_\_\_

Message/View Number \_\_\_\_\_  
Release Number \_\_\_\_\_  
\*Time Rec'd \_\_\_\_\_  
Ack. Receipt of Release-Initial \_\_\_\_\_  
\*Time Acknowledged \_\_\_\_\_

Brief Description of Release and/or Bulletin  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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# SAMPLE

EPIP 4-4  
Page 20 of 21  
Attachment 7  
Page 1 of 1

DISTRICT OFFICE/CALLBOARD  
RUMOR CONTROL LOG

Date \_\_\_\_\_  
Time Activated \_\_\_\_\_  
Page \_\_\_\_\_ of \_\_\_\_\_

No.	Time Rec'd	Operator	Brief Description of Rumor	*Time Ans. Pec'd From Source	Brief Description of Answer	Time Customer Received Answer

INSTRUCTIONS: Number Each Release As Received Both On Log And Release Itself.  
\*Use Military Time.

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# SAMPLE

EPIP 4-4  
Page 21 of 21  
Attachment 8  
Page 1 of 1

## MEDIA MONITOR CHECKLIST

DATE: \_\_\_\_\_  
TIME: \_\_\_\_\_  
MONITOR: \_\_\_\_\_

THIS IS/IS NOT A DRILL

TV/Radio Station: \_\_\_\_\_

Reporter: \_\_\_\_\_

1. What did the reporter say? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Are reported protective action recommendations correct?  
Note errors: \_\_\_\_\_

Evacuation Zones? \_\_\_\_\_  
Sheltering Zones? \_\_\_\_\_  
No Action Zones? \_\_\_\_\_

3. What statements, if any are being made that are contradictory to LILCO  
or LERO Press Releases?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Was the broadcast recorded?

Report received by:  
NAME: \_\_\_\_\_  
ORGANIZATION: \_\_\_\_\_

Corrective action taken: \_\_\_\_\_  
\_\_\_\_\_

\*Use military time.

SECTION 7.1

PLAN

# DRAFT

## Federal

The roles of the Federal agencies involved in the response to a radiological emergency are described in the Federal Radiological Emergency Response Plan, 50 Fed Reg 46542 (November 8, 1985). As stated in the plan, its purpose is to (1) describe the management of a coordinated Federal response to nuclear accidents at commercial nuclear power plants, (2) assign responsibilities to Federal agencies, and (3) provide policy and planning guidance for the development of detailed Federal agency implementation plans.

In this plan, the roles of the three principal Federal agencies, NRC, FEMA, and the Department of Energy (DOE) are defined.

The legal authorities empowering these organizations to provide a response are described in Attachment 1.4.1. The pertinent supporting plans for these organizations are listed in Attachment 1.4.2

The U.S. Coast Guard will respond to a Shoreham emergency under the authority of Title 14, USC, Part 141, which states that the Coast Guard is permitted to use its personnel and equipment to assist state civil defense authorities. The Department of Transportation's response to non-defense emergencies is summarized in the Nov. 8, 1985 edition of the Federal Register (Vol. 50, 217 p. 46563).

## State

New York State has continuous access to emergency event information at Shoreham via the Radiological Emergency Communication System (RECS) which connects all the nuclear power plants in the State with State authorities. If, during an emergency, the State decided to participate their efforts could be coordinated with LERO at the Brentwood EOC initially via the RECS line and commercial telephone.

Should the Governor declare that the State of New York is in command of the emergency response, the Director of LERO would subordinate personnel and equipment to the Governor or his designee. The Governor or his designee could be accommodated in the Director's Office in the EOC, or could choose to work out of the state EOC in Albany. The Director would continue to provide advice and assistance to the State in the degree they request. If the State chooses to assist in the emergency response without assuming command and control, then LERO will incorporate State resources into the emergency responses as these resources became available. The types of services that the State might

CHAPTER 2 - ORGANIZATION

2.1 Local Emergency Response Organization (LERO)

The Local Emergency Response Organization is a voluntary organization comprised of personnel from several organizations, combining to implement the concepts discussed in Chapter III of this plan.

An organization chart depicting the structure of LERO is presented as Figure 2.1.1. This Figure shows the positions in the LERO organization, their response locations and the number of personnel assigned to one shift. Procedure 2.1.1, Att. 1 details the number of shifts planned. Generally, positions will be manned using two alternating shifts except for field evacuation related positions which will have only one shift. For positions requiring alternating shifts, the LERO roster provides a third shift available as backup. For one shift positions, the roster will have approximately an extra 50% available for backup. LERO School Bus Drivers will provide a 100% backup of the Regular School Bus Drivers that normally transport EPZ school children. At bus yards that do not normally support EPZ school transportation LERO will assign 150% of the complement required. LERO's goal is to have available approximately 150% of the personnel required to ensure that sufficient numbers will be available to respond to an emergency.

Upon declaration of an emergency at Shoreham, LERO mobilizes and immediately makes itself available to Suffolk County to support an effective emergency response in accordance with this plan. In order to provide an effective response, LERO coordinates the actions of support organizations and interfaces with State and County government officials. Figure 2.1.2 identifies the various functions implemented as part of the emergency response and details which people (by title) or organizations have a primary or support role in implementing that function. Those functions which are primarily implemented by LERO but only with the permission of Suffolk County are specifically marked.

The remainder of this section describes the key positions in the organization, and associated responsibilities.



Director of Local Response

During a radiological emergency at the Shoreham Nuclear Power Station (SNPS), the Director of Local Response, with permission of state or county government officials, initiates Protective Response actions. These actions provide for the protection of the health and safety of residents and transients within the Emergency Planning Zones (EPZ's) defined in this plan. The Director of Local Response is responsible for allocating and directing, with permission as required from state or county officials, response personnel and equipment to mitigate the offsite consequences of an incident and also has the authority to request federal assistance.

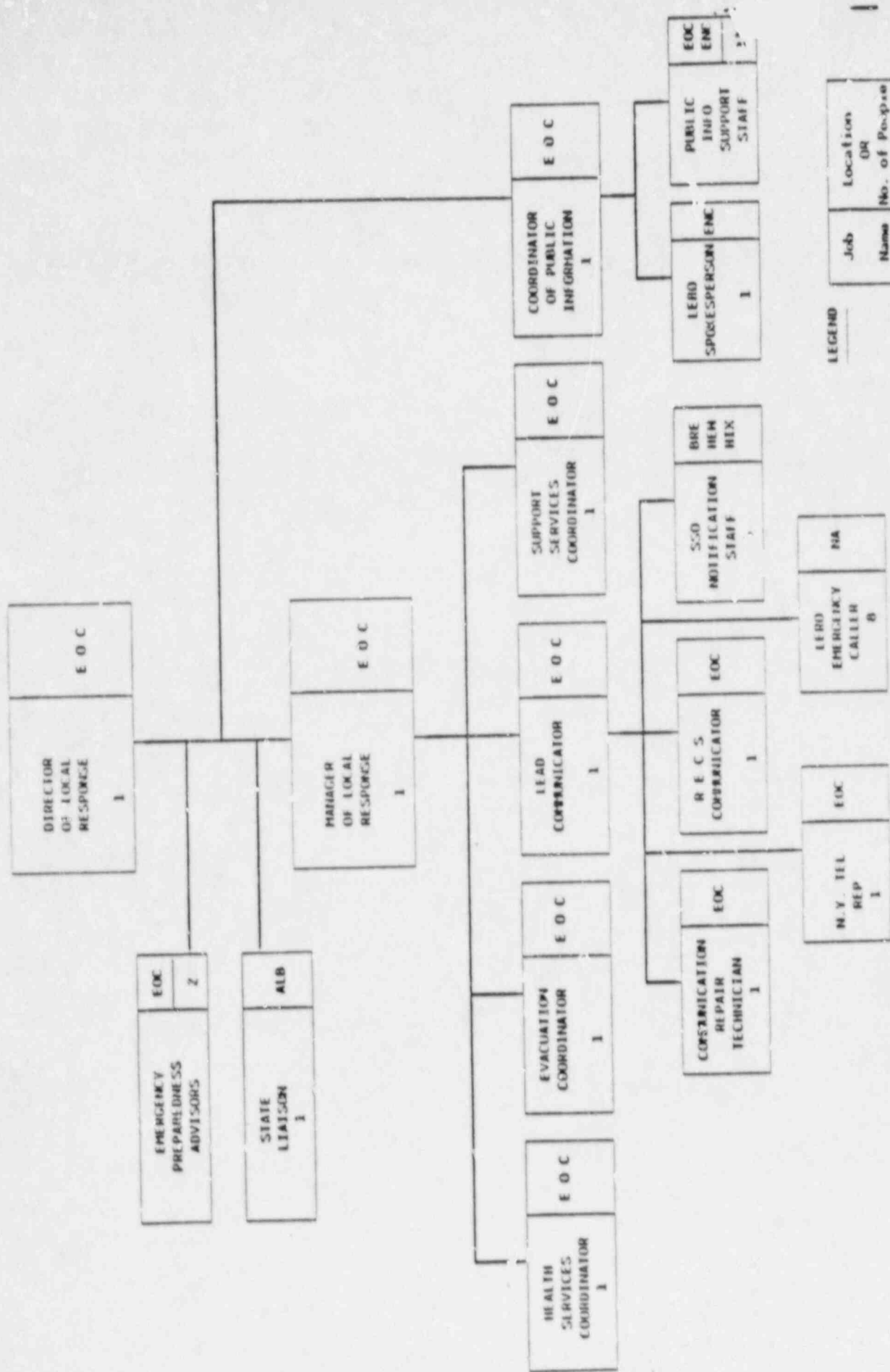
Specific personnel have been designated to assist State and County officials in implementing their portions of this plan and coordinating with LERO. Emergency Preparedness Advisors will report to the Suffolk and Nassau County Executives. The LILCO representative in Albany will report to the State EOC, and will be replaced as soon as possible by an off shift Manager or Director of Local Response. In addition, one of the LERO Traffic Control Point Coordinators will go to Suffolk County Police Headquarters in Yaphank and assist with the dispatch of police personnel to EPZ traffic control posts.

The Director of Local Response assumes command of the Local Emergency Operations Center, upon

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LOCAL EMERGENCY  
RESPONSE ORGANIZATION

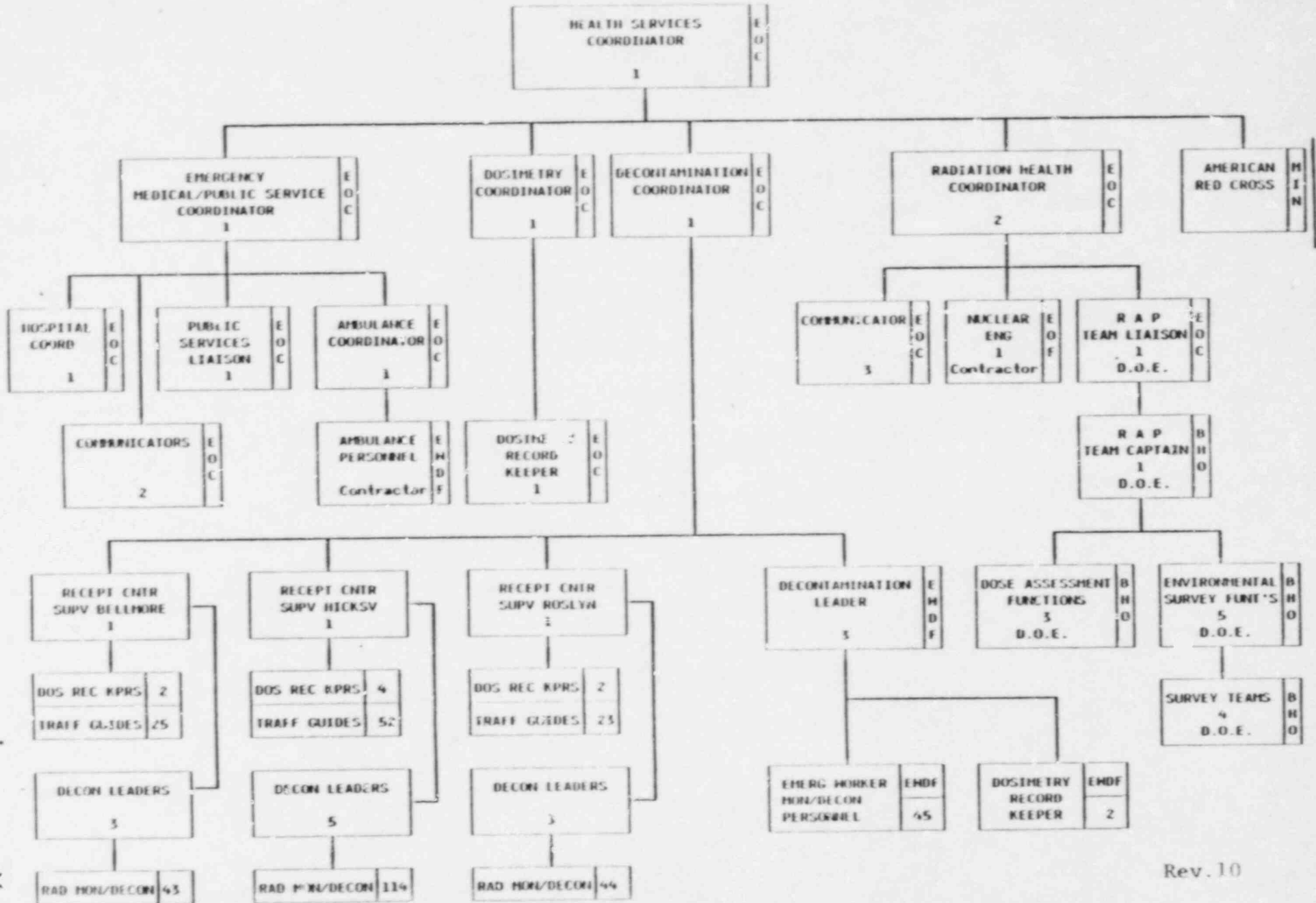


LEGEND

Job Name	Location OR No. of People
EOC	
ALB	
REC-5	
SSO	
BBE	
SEC	
LEAD ENERGY CALLER	B
N.Y. TEL REP	1
COMMUNICATION REPAIR TECHNICIAN	1
HEALTH SERVICES COORDINATOR	1
EVAUATION COORDINATOR	1
LEAD COMMUNICATOR	1
SUPPORT SERVICES COORDINATOR	1
COORDINATOR OF PUBLIC INFORMATION	1
LEAD SPOKESPERSON	1
PUBLIC INFO SUPPORT STAFF	2
EMERGENCY PREPAREDNESS ADVISORS	2
STATE LIAISON	1
MANAGER OF LOCAL RESPONSE	1
DIRECTOR OF LOCAL RESPONSE	1

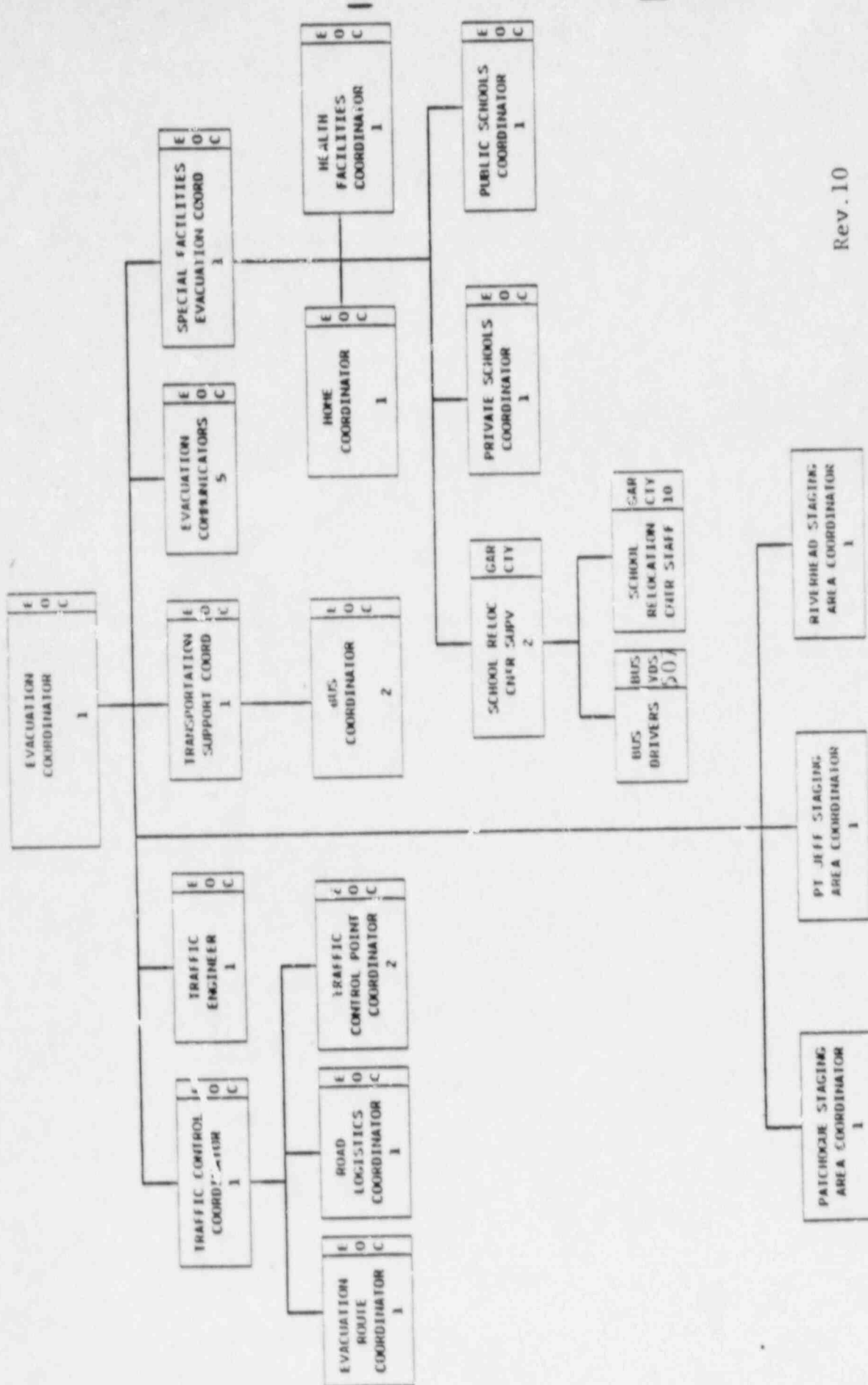
Rev. 10

LOCAL EMERGENCY  
RESPONSE ORGANIZATION



LOCAL EMERGENCY  
RESPONSE ORGANIZATION  
EVACUATION COORDINATION AT THE EOC

Fig. 2.1.1.1



LOCAL EMERGENCY  
RESPONSE ORGANIZATION  
EVACUATION COORDINATION AT STAGING AREAS

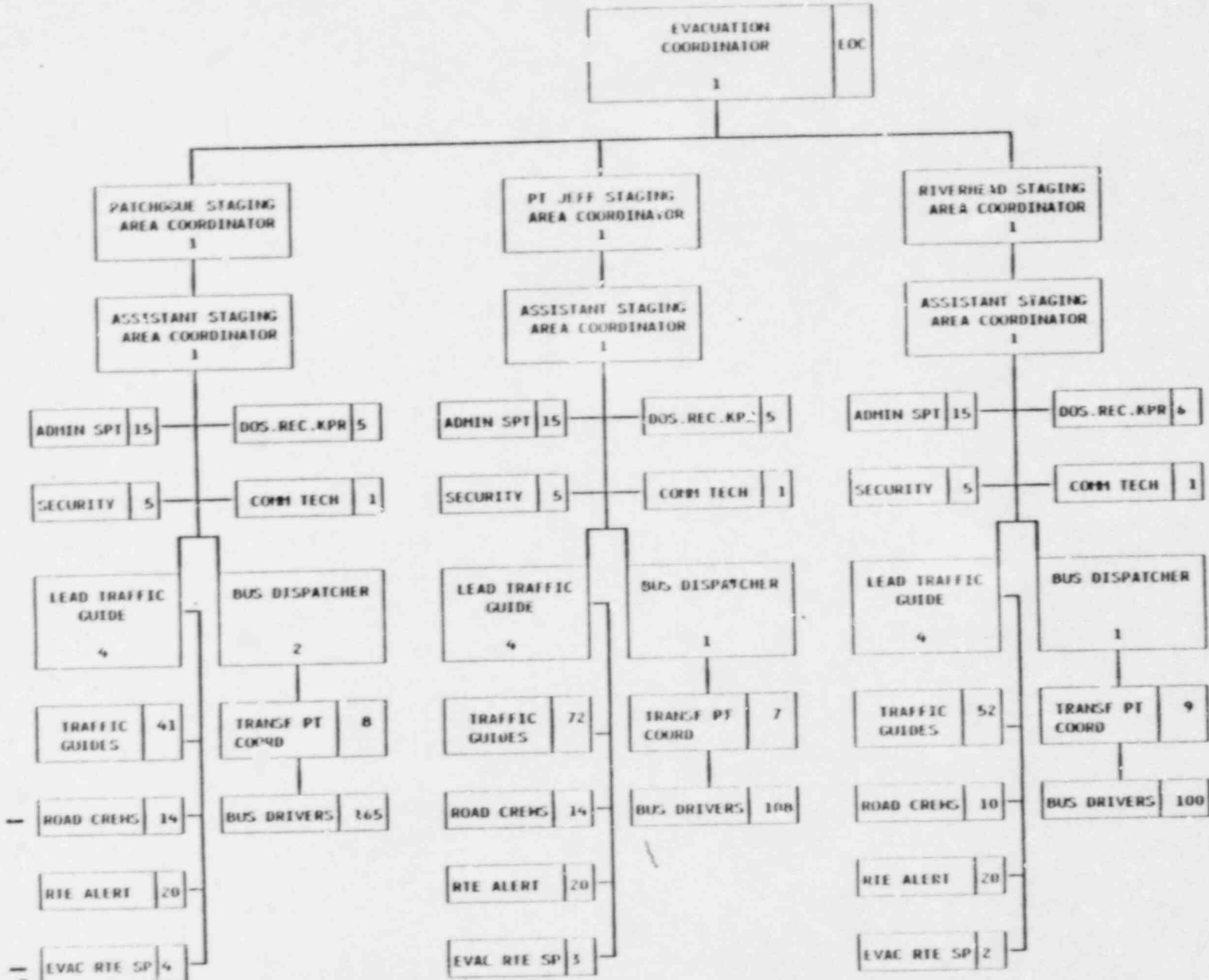
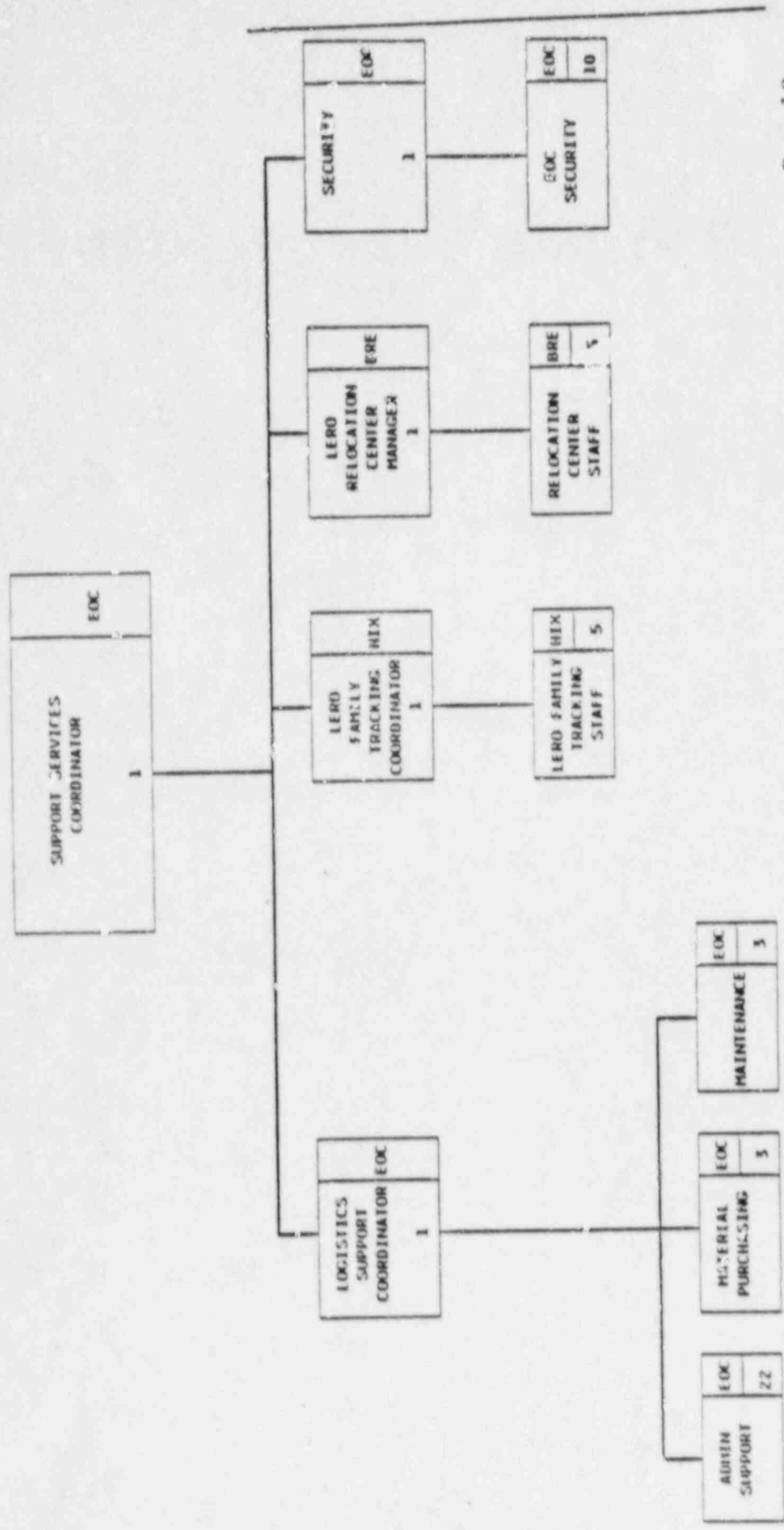


Fig. 2.1.1  
PAGE 5 of 5

LOCAL EMERGENCY  
RESPONSE ORGANIZATION



Rev.10

FIGURE 2.1.2  
ORGANIZATIONAL MATRIX  
(continued)

## Legend:

A - Denotes government official with legal authority who provides authority/permission to LERO to implement the emergency response function.

P - Denotes person, by title, or organization with primary responsibility for actually implementing the emergency response function.

S - Denotes person, by title, or organization that either supports or performs only a portion of an emergency response function.

Subscript A - Denotes that implementation of the emergency  
i.e. P<sub>A</sub> or S<sub>A</sub> - response function requires the authority/permission  
of a governmental official.

Note 1: Public Information includes the activation of sirens and the issue of EBS messages.

Note 2: Traffic Control (Suffolk) includes: blocking roadways, directing traffic, posting traffic signs during an emergency, removing roadway obstacles, dispensing fuel and performing access control.

Note 3: Protective Response includes: the plume pathway, ingestion pathway, recovery and reentry and requesting Federal Assistance.

Note 4: Support Functions identified for New York State Department of Health are in accordance with the New York State Plan.

Note 5: FEMA coordinates additional federal response efforts as detailed in the Federal Radiological Emergency Response Plan.

Note 6: The hospital primarily providing treatment of contaminated injured individuals is Brunswick General Hospital. Mid-Island Hospital will serve as a backup facility. The V.A. Medical Center and Nassau County Medical Center are government facilities capable of providing additional support. Additional hospitals will provide relocation services for health care facility evacuees.

## 2.2 Support Organizations

Numerous organizations work with LERO in implementing a full range of emergency response functions. In order to ensure that responsibilities are understood and services are available when required, LILCO relies upon the following:

- a) Contracts - with private companies providing services on short notice
- b) Letters of Agreement/Understanding - with non-profit, public organizations or other utilities
- c) State and Local Laws - for government response under Article 2-B and Nassau and Suffolk County Charters as described above in Section 1.4 of this Plan.
- d) Federal Mandate - for federal agencies providing services in accordance with the Federal Radiological Emergency Response Plan (Master Plan) or other federal law as described above in Section 1.4 of this Plan, and for the American Red Cross under its Congressional Charter.
- e) "Best Efforts" NRC Regulation - services and/or facilities provided by non-participating state or local governments that are available to support an emergency response effort as described above in Section 1.4 of this Plan, pursuant to 10 CFR 50.47(c)(1), 50 Fed. Reg., 42,086 Col. 1 (Nov. 3, 1987).

Copies of contracts and letters of agreement/understanding are in Appendix B to this plan.

This section describes the organizations which will support the implementation of this plan in addition to the government emergency response functions identified in Section 1.4 of this Plan. Figure 2.2.1 shows the relationships among these organizations.

### A - Federal Organizations

Federal agencies will initiate their support of the emergency response either by a direct request from LERO or through FEMA under the provisions of the FEMA National Radiological Emergency Preparedness/Response Plan for Commercial Nuclear Power Plant Accidents (Master Plan) December 1980 or as superseded in later revisions.



It is LERO's intention to contact the Coast Guard, the Department of Energy (Brookhaven) and the FAA directly to obtain their support as described elsewhere in this plan. Appendix B contains letters of agreement/ understanding with these agencies. If a larger response requiring the support of other federal agencies is called for, the Director of Local Response will request that FEMA activate the Master Plan in support of LERO. It is anticipated that there may be a need for the services of the Environmental Protection Agency and the U.S. Department of Agriculture. Appendix B contains letters from the EPA and U.S.D.O.A. identifying their capabilities and the resources they would require to implement their response. In addition, it is expected that the NRC will assign a liaison to the EOC.

Attachment 2.2.2 provides the approximate response times and mobilization locations for various federal agencies.

#### United States Coast Guard (Federal Mandate)

In accordance with the United States Coast Guard First District Radiological Incident Response Plan D1INST M2309.1A contained in Appendix B, the Coast Guard's response actions in a nuclear power plant incident would be to:

1. Immediately notify mariners to warn of possible dangers.
2. Restrict marine traffic from entering hazardous areas.
3. Coordinate with and provide information to other agencies.
4. Provide logistics support and civil transportation assistance in non-hazardous areas.



4. Monitor emergency production, processing, and distribution of food resources during a radiological accident.	1 2 3 4
5. Assure the safety and wholesomeness of agricultural products in establishments under Federal inspection and agricultural commodities and products owned by the Commodity Credit Corporation/USDA.	5 6 7 8 9 10
6. Assist in the provision of food animal feed to replace contaminated feed and pasture.	11 12 13
7. Provide advice on and assist State/local officials in the disposition of food animals affected by radiation in coordination with the EPA and HHS.	14 15 16 17
8. Provide a representative to State agricultural agencies to keep State/local officials informed of Federal efforts.	18 19 20 21
9. Provide a representative to HHS to facilitate cooperation between USDA and HHS.	22 23 24
Department of Commerce (DOC):	25 26
1. Estimate the damage to industrial resources and recommend measures to deal with problems of the industrial sector.	27 28 29 30
2. Provide current and forecast meteorological information about wind direction and speed, boundary layer mixing, precipitation, and any other meteorological and hydrological parameters affecting radiological contamination.	31 32 33 34 35 36
3. Provide gamma radiation level readings from National Weather Service offices as requested by DOE.	37 38 39 40
4. Provide a representative to both the on-site and off-site radiological monitoring agencies as required (i.e. DOE and NRC) to coordinate meteorological operations, provide meteorological and hydrological information, and arrange for supplemental meteorological measurements.	41 42 43 44 45 46

Environmental Protection Agency (EPA):

- 1. Provide resources including personnel, equipment and laboratory support to assist in DOE in monitoring radioactivity levels in the environment.
- 2. Assist the NRC, in coordination with HHS, in developing technical recommendations regarding measures to protect the public health and safety.
- 3. Assume responsibility from DOE for coordinating the intermediate and long-term radiological monitoring function after the initial phases of the emergency at a mutually agreeable time.
- 4. Provide guidance to Federal agencies and State and local governments, in coordination with DOE and HHS, on acceptable emergency levels of radioactivity and radiation in the environment.
- 5. Assess the nature and extent of the environmental radiation hazard.

National Communications System (NCS):

- 1. Provide and coordinate, in response to a FEMA request, the necessary communication for the Federal Government response in accordance with the National Plan for Communications Support in Emergencies and Major Disasters. Be prepared to provide this support prior to a formal declaration of an emergency or major disaster.
- 2. Provide technical representation to appropriate State agencies to assist in meeting their communications requirements.

Veterans Administration Medical Center (Federal Mandate)

This federal facility will serve as a secondary backup hospital for the evaluation and emergency treatment of "contaminated injured" members of the general public, as defined in FEMA Guidance Memorandum MS-1. This facility would be available during an emergency in accordance with the Federal Radiological Emergency Response Plan. This hospital is located in Northport, New York.

B - State and Local Organizations

Nassau Coliseum and Nassau Community College - ("Best Efforts" NRC Regulation)

These facilities would serve as EPZ school relocation centers, in which parents could reunite with their children.

Nassau and Suffolk County Police - ("Best Efforts" NRC Regulation)

Nassau and Suffolk County Police will assist LERO personnel in implementing an evacuation of the EPZ and with traffic control in the vicinity of the Reception Centers and School Relocation Centers.

Nassau County Medical Center ("Best Efforts" NRC Regulation) Governmental Participation)

This county owned JCAH accredited medical facility will serve as a secondary backup hospital for the evaluation and emergency treatment of "contaminated injured" members of the general public, as defined in FEMA Guidance Memorandum MS-1. This hospital is located in East Meadow, New York.

New York State - ("Best Efforts" NRC Regulation)

New York State maintains a comprehensive emergency response capability as detailed in the New York State Radiological Emergency Preparedness Plan for Commercial Plants, prepared by the Disaster Preparedness Commission. The types of services that the State can provide are detailed in Section 1.4 of this plan. Specifically the State will assist LERO by:

- a) Providing for the health and welfare of the evacuated residents of nursing and adult homes. Some of the initial relocation facilities for these evacuees may not provide adequate long term care. Should long term care be needed the State will assist in the identification of additional facilities capable of caring for these people and work with LERO to arrange for transportation.
- b) Assisting in the implementation of ingestion pathway protective actions.
  - o Notification of farmers, food manufacturers, food processors and food distributors of actions to be taken.
  - o Issue information on a timely basis in the form of pamphlets and/or procedures to the affected portions of the food industry in New York State.

- o Issue orders to interdict food from being marketed. 1
- o Place personnel at critical points in the food distribution network to ensure contaminated food doesn't reach the market place. 2  
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- o Coordinate with personnel for U.S. Department of Agriculture, U.S. Food and Drug Administration, Cooperative Extension and personnel from other States to control the transport and sale of foods from affected areas. 8  
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Connecticut - (Letters of Agreement, "Best Efforts" NRC Regulation) 14  
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The State of Connecticut maintains a comprehensive emergency response capability. The entire Shoreham 50 mile ingestion pathway area in Connecticut is covered by other operating nuclear power plants. Connecticut would implement ingestion pathway protective actions by: 17  
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- o Dispatching field sampling teams into affected areas to take samples. 23  
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- o Transport samples to labs and based upon results determine appropriate protective actions. 26  
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- o Notification of farmers, food manufacturers, food processors and food distributors of actions to be taken. 29  
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- o Issue information on a timely basis in the form of pamphlets and/or procedures to the affected portions of the food industry in Connecticut. 33  
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- o Issue orders to interdict food from being marketed. 37  
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- o Place personnel at critical points in the food distribution network to ensure contaminated food doesn't reach the market place. 40  
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43
- o Coordinate with personnel for U.S. Department of Agriculture, U.S. Food and Drug Administration, Cooperative Extension and personnel from the other States to control the transport and sale of foods from affected areas. 44  
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Nassau/Suffolk Local EBS Network - ("Best Efforts" NRC Regulation)

The designated CPCS for Nassau and Suffolk Counties in the New York State EBS Plan is WCBS in New York City. This radio station in turn activates virtually every other radio station in Nassau and Suffolk. This system will be activated with the authority of the Suffolk County Executive in order to broadcast emergency information to the public.

Nassau County Public School Districts - ("Best Efforts" NRC Regulation)

Red Cross Congregate Care operations rely in part on the availability of the Nassau County public schools listed in Attachment 9 of OPIP 4.2.3. These facilities upon request by the Nassau County Red Cross will be made available to function as Congregate Care Centers for the care of evacuees.

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Local Law Enforcement Agencies, Fire Departments and  
Snow Removal (State and Local Laws)

All local law enforcement agencies, fire departments and snow removal agencies within the ten mile EPZ will continue to carry out their normal response functions during an emergency. The Plan does not depend on these agencies performing their normal response functions within any radiologically restricted area caused by an emergency at Shoreham. However, in accordance with OPIP 5.1.1 LERO will offer training in dosimetry and radiation fundamentals to these groups. In addition to the training, LERO will provide adequate supplies of dosimetry equipment to these agencies for their use during an emergency. If no training is provided prior to an emergency event, LERO will designate LERO personnel trained in radiation fundamentals and dosimetry to accompany personnel performing their duties within restricted areas. These LERO personnel will provide dosimetry and ensure that they do not receive doses in excess of the Protective Action Guides for the general public.

LERO provides a liaison within its organization to act as a full time point of contact through which LERO response effort information and interaction can be effected by the agencies involved. Those are specified in OPIP 3.6.5.

**DRAFT**



# DRAFT

## C - Other Organizations

### Central Suffolk Hospital (Letter of Agreement)

Medical services in support of LERO response efforts for the treatment of injured and contaminated emergency workers is provided by this hospital.

If for some reason Central Suffolk Hospital is unavailable, the hospitals capable of treating contaminated/injured individuals identified in OPIP 4.2.2 Attachment 1, would be contacted to accept emergency workers.

### Brunswick General Hospital (Letter of Agreement)

This JCAH accredited medical facility is the primary local hospital for the evaluation and emergency treatment of "contaminated injured" members of the general public, as defined in FEMA Guidance Memorandum MS-1. This hospital is located in Amityville, New York.

### Mid-Island Hospital (Letter of Agreement)

This JCAH accredited medical facility is the backup hospital for the evaluation and emergency treatment of "contaminated injured" members of the general public, as defined in FEMA Guidance Memorandum MS-1. This hospital is located in Bethpage, New York.

### Private Ambulance Services (Contracts)

Movement of individuals whose health requires special transportation during an evacuation is provided for by private companies which provide ambulances and ambulette/vans with drivers. These vehicles may also be used to transport contaminated injured members of the general public to designated hospitals. The Ambulance Coordinator works in unison with the Health Facilities and Home Coordinators in LERO to coordinate the direction of utilization of these services.

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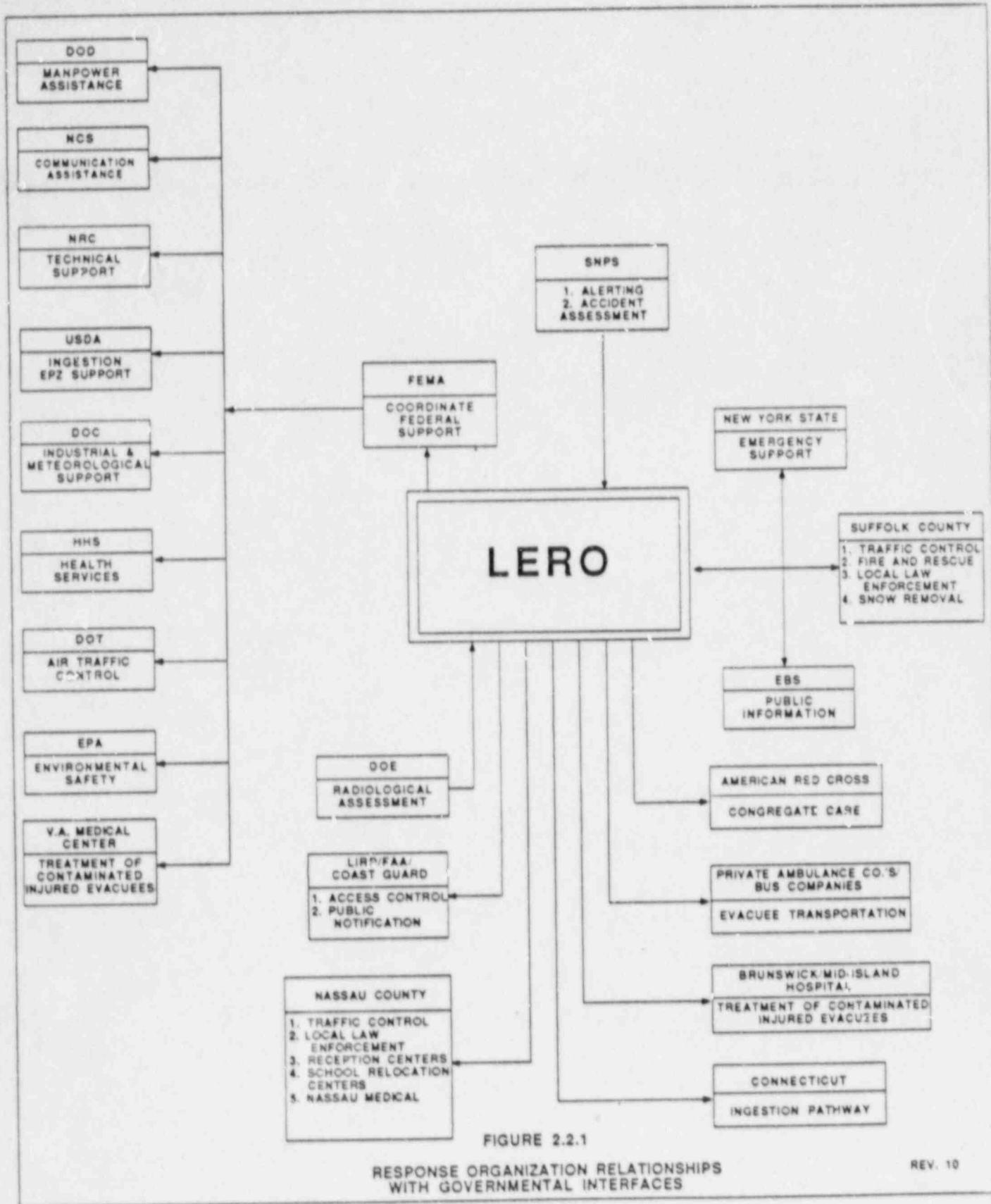


FIGURE 2.2.1

RESPONSE ORGANIZATION RELATIONSHIPS WITH GOVERNMENTAL INTERFACES



consequences of a major nuclear accident. The personnel involved with these responses have routine radiological-related duties on a daily basis at leading nuclear facilities thereby ensuring not only continuing experience and training, but also providing the conditions for keeping state-of-the-art equipment operable and calibrated.

Capabilities

Independent dose assessment of an emergency at Shoreham Nuclear Power Station (SNPS) will be performed by the DOE-RAP representative reporting from Brookhaven Area Office (BHO).

The headquarters for the United States Department of Energy (DOE), Region I, DOE-RAP Team is located at BHO, approximately six miles from the Shoreham site.

LILCO has requested, due to the proximity and experience of the DOE-RAP personnel, that DOE-RAP assist in accident assessment during any event classification in which the Local EOC is activated. DOE has agreed to this request and will conduct the accident assessment effort for LEPO.

BHO is notified by LILCO Supervising Service Operator by means of a commercial telephone. During off hours, BHO Security serves as the mechanism to provide notification for the on-call Duty Officer.

Since a DOE-RAP team representative will be one of the primary respondents to the Local EOC to assist in accident assessment, there is a dedicated telephone line for his use between the Local EOC and the BNL Emergency Operations Center. This link will be used to coordinate DOE-RAP team members who will receive direction from the Local EOC, and then subsequently used by that individual to mobilize additional resources of the Department of Energy at BHO, as required.

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# DRAFT

D - General Emergency	1
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Procedures for notification and activation of	3
emergency response personnel are the same as those for	4
a Site Area Emergency	5
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E - Notification of the Public	7
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Upon initial receipt of an Alert or higher level	9
emergency classification, the Director of Local	10
Response will contact New York State and Suffolk	11
County officials. He will inform them of the	12
emergency situation and ask for permission to notify	13
the public and implement the emergency response plan	14
as necessary in accordance with this plan.	15
	16
Upon receiving permission, the Director of Local	17
Response will implement procedures to provide alerting	18
and clear instructions, including periodic status	19
updates, to the general public within the 10-mile EPZ.	20
If the event is classified an Alert, and no protective	21
actions for the general public are required, EES may	22
be activated without the sirens to notify the school	23
districts to implement early dismissal, if school is	24
in session. However, the Director may activate the	25
entire Prompt Notifications System at his discretion	26
when deemed necessary (see Procedure 3.8.2 - Emergency	27
Broadcast System Activation and Procedure 3.3.4 -	28
Prompt Notification System Activation).	29
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The Prompt Notification System shall serve as the	31
primary mechanism to alert the general public of a	32
radiological emergency. The permanent and transient	33
(hotels, parks, beaches, etc.) population will be	34
alerted by means of a system of 89 fixed sirens	35
mounted throughout the 10-mile EPZ. Siren activation	36
will be verified by a telephone survey.	37
	38
In the event of partial or total siren failure, a	39
backup route alerting system will be implemented in	40
which LILCO emergency vehicles equipped with public	41
address units will drive through affected areas in the	42
10-mile EPZ alerting residents to listen to the	43
Emergency Broadcasting System (EBS) radio stations.	44

In addition to the sirens there is a system of tone activated alert radios for warning those organizations with a large number of people such as schools, hospitals, nursing homes, handicapped facilities and major employers. Each special facility will be equipped with a tone alert radio receiver, which upon activation by the EBS signal from WCBS or WALK radio, will automatically broadcast the emergency messages. This system will provide these special facilities with direct notification during an Alert, Site Area Emergency and General Emergency.

All EBS radio stations including WCBS and WALK test their EBS signal generation once a week. The weekly test will enable special facilities to determine whether their receivers are functioning properly.

The operational responsibility for activation of the Prompt Notification System rests with LERO. Once a decision is made by the Director of Local Response to activate the Prompt Notification System, the Director will verify that WCBS (EBS) is ready to broadcast an emergency message; he will then direct the activation of the sirens using the encoder located at the Local EOC. If warranted, he will also direct the Evacuation Coordinator to request the U.S. Coast Guard to warn offshore areas. This call will be verified by the U.S. Coast Guard using the pre-established call back procedures. LERO may supplement notification of boaters in the EPZ by the Coast Guard by use of loudspeaker equipped helicopter provided by Island Helicopter.

In the unlikely event that the Local EOC is not activated and the notification from the plant is of a General Emergency with an immediate recommendation for sheltering or evacuation, procedures will be implemented to immediately notify the public in accordance with OPIPs 3.3.4 and 3.8.2.

**PART I • General Information**

INSTRUCTIONS: Circle or fill-in information as appropriate

1 Message transmitted at \_\_\_\_\_  
DATE \_\_\_\_\_ TIME \_\_\_\_\_ VIA \_\_\_\_\_

2 Facility providing information: **G SHOREHAM**  
**H OTHER**

3 Reported by: \_\_\_\_\_  
NAME \_\_\_\_\_ TITLE \_\_\_\_\_

4 Reported from: **A CONTROL ROOM** **B TSC** **C EOF** **D OTHER**

5 This: **A IS AN EXERCISE** **B IS NOT AN EXERCISE**

6 Event Classification: **A UNUSUAL EVENT** **C SITE AREA EMERGENCY** **E TRANSPORTATION INCIDENT** **G OTHER**  
**B ALERT** **D GENERAL EMERGENCY** **V EMERGENCY TERMINATED**

7 **A THIS EMERGENCY CLASSIFICATION DECLARED AT** DATE \_\_\_\_\_ TIME \_\_\_\_\_  
**B THIS IS AN INFORMATIONAL NOTIFICATION ONLY THIS EVENT DOES NOT CONSTITUTE ONE OF THE FOUR EMERGENCY CLASSIFICATIONS**

8 Brief event description: \_\_\_\_\_

9 Plant status/prognosis is: **A STABLE** **B IMPROVING** **C DEGRADING** **D UNKNOWN**

10 This event involves: **A NO ABNORMAL RELEASE OF RADIOACTIVITY** **C A RELEASE OF RADIOACTIVITY TO A BODY OF WATER**  
**B AN ATMOSPHERIC RELEASE OF RADIOACTIVITY** **D A GROUND SPILL RELEASE OF RADIOACTIVITY**

11 The release is: **A NOT APPLICABLE** **B CONTINUING** **C TERMINATED** **D INTERMITTENT**

12 Protective actions: **A THERE IS NO NEED FOR PROTECTIVE ACTIONS OUTSIDE THE SITE BOUNDARY**  
**B NEED FOR PROTECTIVE ACTION IS UNDER EVALUATION**  
**C SHELTERING RECOMMENDED IN THE FOLLOWING ZONES:**

**A B C D E F G H I J K L M N O P Q R S**

**D EVACUATION RECOMMENDED IN THE FOLLOWING ZONES:**

**A B C D E F G H I J K L M N O P Q R S**

13 Basis for protective action recommendations: **A PLANT CONDITIONS** **B FIELD MEASUREMENTS** **C PROJECTED OFFSITE DOSES**

14 Wind speed \_\_\_\_\_ MILES/HOUR OR \_\_\_\_\_ METERS/SECOND

15 Wind direction from \_\_\_\_\_ DEGREES

16 Stability class \_\_\_\_\_ (PASQUILL A TO G BROOKHAVEN H-V OR STABLE UNSTABLE NEUTRAL)

17 Ambient temperature \_\_\_\_\_ °F

18 General weather conditions: **A CLEAR** **B CLOUDY** **C RAIN** **D SNOW**

MESSAGE RECEIVED BY \_\_\_\_\_

New York State Radiological Emergency Data Form

**PART II • Radiological Assessment Data**

19 Message transmitted at \_\_\_\_\_ Based on information available at \_\_\_\_\_  
DATE \_\_\_\_\_ TIME \_\_\_\_\_ FROM \_\_\_\_\_ TIME \_\_\_\_\_

20 General release information  
A RELEASE STARTED AT DATE \_\_\_\_\_ TIME \_\_\_\_\_ E WIND SPEED \_\_\_\_\_ MPH or \_\_\_\_\_ M SEC  
B PROJECTED DURATION OF RELEASE \_\_\_\_\_ F WIND DIRECTION (FROM) \_\_\_\_\_ DEGREES  
C TIME OF TERMINATION OF RELEASE \_\_\_\_\_ G STABILITY CLASS \_\_\_\_\_ (PASQUILL A-G  
BROOKHAVEN I-IV OR STABLE UNSTABLE OR NEUTRAL)  
D REACTOR SHUTDOWN DATE \_\_\_\_\_ TIME \_\_\_\_\_

21 Atmospheric release information  
A EFFECTIVE RELEASE HEIGHT \_\_\_\_\_ FT D IODINE RELEASE RATE \_\_\_\_\_ C/SEC  
B IODINE/NOBLE GAS RATIO \_\_\_\_\_ E NOBLE GAS RELEASE RATE \_\_\_\_\_ C/SEC  
C GROSS RELEASE RATE \_\_\_\_\_ C/SEC F PARTICULATE ACTIVITY \_\_\_\_\_ C/SEC

22 Waterborne release or surface spill information  
A VOLUME OF RELEASE \_\_\_\_\_ GALLONS C RADIONUCLIDES IN RELEASE (IN  $\mu\text{C}/\text{M}^3$ ) \_\_\_\_\_  
B CONCENTRATION (gross) \_\_\_\_\_  $\mu\text{C}/\text{M}^3$  D TOTAL ACTIVITY RELEASED \_\_\_\_\_ C

23 Dose/dose rate calculations  
DATA IS BASED ON (circle one): A IN-PLANT MEASUREMENTS B FIELD MEASUREMENTS C ASSUMED SOURCE TERM  
TABLE BELOW APPLIES TO (circle one): A ATMOSPHERIC RELEASES B WATERBORNE RELEASES

DISTANCE	X <sub>W/Q</sub>	DOSE RATES		INTEGRATED DOSE OVER THE COURSE OF THE ACCIDENT	
		WHOLE BODY REM/HOUR	CHILD'S THYROID REM/HOUR *	WHOLE BODY REM	CHILD'S THYROID REM
SITE BOUNDARY					
2 MILES					
5 MILES					
10 MILES					
_____ MILES					

24 Field measurement of dose rates or surface contamination (deposition)

MILE/SECTOR OR MILES/DEGREES	LOCATION OR SAMPLING POINT	TIME OF MEASUREMENT	DOSE RATE (M.R.H.R.) OR CONTAMINATION ( $\mu\text{C}/\text{M}^2$ )

REMARKS \*U/Q are for whole body dose rates and based on a "finite cloud" model.  
Child thyroid dose rates are based on a "semi-infinite cloud" model

RADIOLOGICAL EMERGENCY DATA FORM  
PART III - DOSE ASSESSMENT INPUT SHEET

1. Current Date - MM:DD:YY 1. \_\_\_\_\_
2. Current Time - HH:MM 2. \_\_\_\_\_
3. Date of Accident - MM:DD:YY 3. \_\_\_\_\_
4. Time of Accident - HH:MM 4. \_\_\_\_\_
5. Windspeed at 150 foot level - MPH 5. \_\_\_\_\_
6. Windspeed at 33 foot level - MPH 6. \_\_\_\_\_
7. 150 foot direction (wind from) 7. \_\_\_\_\_
8. 33 foot direction (wind from) 8. \_\_\_\_\_
9. Delta Temperature (°F) or Stability Class 9. \_\_\_\_\_
10. Temperature 33 foot (°F) 10. \_\_\_\_\_
11. RBSVS flow (CFM) 11. \_\_\_\_\_
12. PM22 Monitor Reading (cpm) 12. \_\_\_\_\_
13. PM134 Monitor Reading (uCi/cc) 13. \_\_\_\_\_
14. Station vent flow (CFM) 14. \_\_\_\_\_
15. PM21/PM42 Monitor Reading (cpm) 15. \_\_\_\_\_ / \_\_\_\_\_
16. PM126 Monitor Reading (uCi/cc) 16. \_\_\_\_\_
17. Release Duration (hours) 17. \_\_\_\_\_
18. Date of release initiation - MM:DD:YY 18. \_\_\_\_\_
19. Time of release initiation - HH:MM 19. \_\_\_\_\_
20. Core or Fuel Damage (circle one) 20. Yes No
21. Containment Failure (circle one)  
o No      o Likely, but not      o Yes, or within  
            within 3 hours              3 hours
22. Shoreham Emergency Response Actions underway.  
\_\_\_\_\_  
\_\_\_\_\_
23. Requested support by Shoreham from Offsite Org.

Organization

Support Requested

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FIGURE 3.3.3  
PERSONS/GROUPS/ORGANIZATIONS NOTIFIED FOR STANDBY OR MOBILIZATION - ALERT

Note: Individuals marked with asterisk (\*) report to their pre-assigned duty stations when notified. All others remain on standby status.  
 Some positions may be filled by personnel from either LILCO or other organizations.

Emergency Class	Responsible Notifier	Persons/Groups/Organizations Notified		
		LILCO	Brookhaven Area Office	Other Organizations
Alert	Shoreham Nuclear Power Station	Director of Local Response*	BHO Security Station	American Red Cross (ARC)
		Manager of Local Response*		Emergency Preparedness Advisor*
		Emergency Preparedness Advisor*		
		Coordinator of Public Information*		
		LFRD Spokesperson*		
		Public Information Support Staff*		
		Lead Communicator*		
		Health Services Coordinator*		
		Emergency Medical/Public Services Coord.*		
		Emergency Medical/Public Services Comm.*		
		Hospital Coordinator*		
		Public Services Liaison*		
		Ambulance Coordinator*		
		Radiation Health Coordinator*		
		Radiation Health Communicator*		
		Dosimetry Coordinator*		
		BIC Dosimetry Record Keeper*		
		Dosimetry Record Keepers (Selected)*		
		Decontamination Coordinator*		
		Reception Center Supervisor*		
		Decontamination Leader*		
		Center Monitoring/Decontamination Personnel (Selected)		
		Emergency Workers Monitoring/Decontamination Personnel*		
			Nuclear Engineer*	
			Traffic Engineer*	
			Radiation Health Coordinator*	

FIGURE 3.3.3

PERSONS/GROUPS/ORGANIZATIONS NOTIFIED FOR STANDBY OR MOBILIZATION - ALERT

Note: Individuals marked with asterisk (\*) report to their pre-assigned duty stations when notified. All others remain on standby status

Emergency Class	Responsible Notifier	LILOD	Persons/Groups/Organizations Notified Brookhaven Area Office	Other Organizations
Alert (Cont'd.)	Shoreham Nuclear Power Station		Evacuation Coordinator* Traffic Control Coordinator* Evacuation Support Communicators* Traffic Control Point Coordinator* Lead Traffic Guides* Traffic Guides (Selected) Road Logistics Coordinator* Road Crews (Selected)* Evacuation Route Coordinator* Evacuation Route Spotters Special Facilities Evacuation Coord.* Public Schools Coordinator* Private Schools Coordinator* Health Facilities Coordinator* Home Coordinator* Route Alert Drivers* Transportation Support Coordinator* Bus Coordinators* Bus Dispatchers* Transfer Point Coordinators* Bus Drivers (Selected*) Support Services Coordinator* Staging Area Coordinators* Staging Area Support Staff* Logistics Support Coordinator* Administration Support* Material Purchasing* Maintenance * Family Tracking Coordinator* Family Tracking Staff* LFRD Relocation Center Manager Security Coordinator* BOC Security*	



FIGURE 3.3.3  
PERSONS/GROUPS/ORGANIZATIONS NOTIFIED FOR STANDBY OR MOBILIZATION - ALERT

Note: Individuals marked with asterisk (\*) report to their pre-assigned duty stations when notified. All others remain on standby status

Emergency Class	Responsible Notifier	LIILOD	Persons/Groups/Organizations Notified Brookhaven Area Office	Other Organizations
Alert (Cont'd.)	BFD Security Station		RAP Team Liaison* RAP Team Captain* Dose Assessment Function* Environmental Survey Function* Survey Teams*	EBS Radio Marketing Evaluations*  New York State Suffolk County State of Connecticut Kassam County FEMA
	Coordinator of Public Information			N.Y. Telephone Representative*  U. S. Coast Guard  Bus Companies  Private & Public Schools
	Director of Local Response			
	Manager of Local Response			
	Support Services Coordinator			
	Evacuation Coordinator			
	Transportation Support Coordinator			
	Private & Public School Coordinators			

FIGURE 3.3.4

PERSONS/GROUPS/ORGANIZATIONS NOTIFIED FOR STANDBY OR MOBILIZATION - SITE AREA AND GENERAL EMERGENCIES

Note: Individuals marked with asterisk (\*) report to their pre-assigned duty stations when notified. All others remain on standby status. Some positions may be filled by personnel from LILCO or other organizations.

Emergency Class	Responsible Notifier	Persons/Groups/Organizations Notified		
		LILCO	Brookhaven Area Office	Other Organizations
Site Area & General Emergencies	Shoreham Nuclear Power Station	Director of Local Response <sup>2</sup>	BDO Security Station	
		Manager of Local Response*		Nuclear Engineer*
		Emergency Preparedness Advisor*		Emergency Preparedness Advisor*
		Coordinator of Public Information*		Traffic Engineer*
		LEAD Spokesperson*		
		Public Information Support Staff <sup>2</sup>		
		Lead Communicator*		
		Health Services Coordinator*		
		Emergency Medical/Public Service Coord.*		
		Emergency Medical/Public Service Comm.*		
		Hospital Coordinator*		
		Public Services Liaison*		
		Ambulance Coordinator*		
		Radiation Health Coordinator*		Radiation Health Coordinator*
		Radiation Health Communicator*		
		Dosimetry Coordinator*		
		BDC Dosimetry Record Keeper*		
		Dosimetry Record Keepers <sup>2</sup>		
		Decontamination Coordinator <sup>2</sup>		
		Reception Center Supervisors*		
		Decontamination Leaders*		
		Reception Center Monitoring/Decontamination Personnel*		
		Emergency Workers Monitoring/Decontamination Personnel*		
		School Relocation Center Supervisor*		
		School Relocation Center Staff*		
		Evacuation Coordinator*		
		Traffic Control Coordinator*		

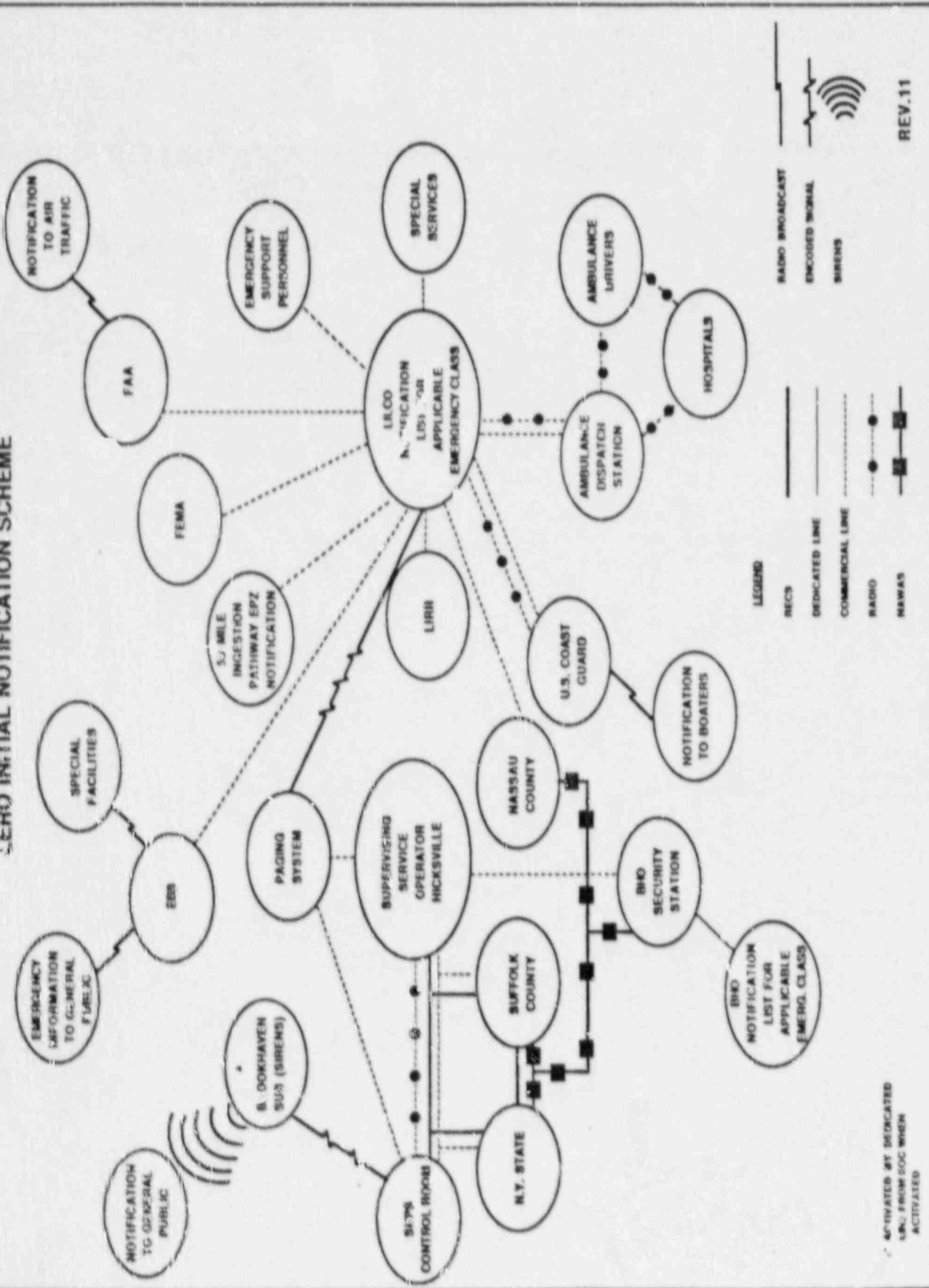
FIGURE 3.3.4

PERSONS/GROUPS/ORGANIZATIONS NOTIFIED FOR STANDBY OR MOBILIZATION-SITE AREA AND GENERAL EMERGENCIES

Note: Individuals marked with asterisk (\*) report to their pre-assigned duty stations when notified. All others remain on standby status

Emergency Class	Responsible Notifier	LILAD	Persons/Groups/Organizations Notified	
			Brookhaven Area Office	Other Organizations
Site Area and General Emergencies (Cont'd.)	WHD Security		RAP Team Liaison*	
			RAP Team Captain*	
			Dose Assessment Function*	
			Environmental Survey Functions*	
	Support Services Coordinator		Survey Team*	N.Y. Telephone Representative*
	American Red Cross			Congregate Care Centers designated as necessary.
	Director of Local Response			New York State Suffolk County State of Connecticut Hesson County FEMA  NHL** Public Health Service** FDA** DOE** USDA** DOC** EPA**
	Coordinator of Public Information			ERS Radio Marketing Evaluations*
	Health Services Coordinator			American Red Cross

FIGURE 3-1.5  
LERO INITIAL NOTIFICATION SCHEME



REV.11

ACTIVATED BY DEDICATED  
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ACTIVATED

The system utilizes a series of independent dedicated telephone circuits combined to form one system. Each telephone in the system rings automatically at any of the above locations when any handset is picked up from its receiver and the manual ring down button is depressed.

Specific RECS locations monitored 24 hours per day are LILCO Control Room (Shoreham), LILCO Electric Service Section (Hicksville), New York State Warning Point (Albany), and Suffolk County Police Communications Center (Yaphank).

The National Warning System (NAWAS) is a nationwide warning system. In New York State the State Warning Point in Albany is connected by 'State Circuits' to primary warning points including Nassau County and DCE offices at Brookhaven. Suffolk County is linked via 'secondary' to Nassau County. The SNPS Control Room is capable of monitoring the circuit. All of these points are manned 24 hours a day. This system would be used by LERO as a backup communications line to New York State and Nassau County. LERO would request that Suffolk County or Brookhaven DOE relay information over their NAWAS lines. The Shoreham Control Room NAWAS line can be allowed to transmit by switching the circuit at the Nassau County Warning Point.

#### B - LILCO Notification Radio System

The LILCO Notification Radio System serves as the backup communication system to the PECS. This system relies on the Electric System Operations (ESO) frequency to serve as the backup communications mechanism between the Shoreham Control Room and the LILCO Electric Service Section. Equipment for transmitting and receiving messages over the ESC frequency are located at:

- o Plant Control Room
- o TSC
- o EOF
- o Electric System Operations Office, Hicksville
- o Local EOC, Brentwood

The radio system is monitored 24 hours per day in Hicksville by Electric Systems Operations which has direct access to the LILCO Supervising Service Operator in the Electric Service Section. The SNPS radio is covered by the Control Room Communicator.

Should this backup system be required as a backup due to  
land line communications problems experienced at  
Shoreham, RECS or the Supervising Service Operator of  
the Electric Service Section can access the RECS or  
commercial telephone system to relay notifications to  
LERO, or other organizations.

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C - LILCO Emergency Radio System

The Emergency Radio System provides for communications between the Staging Area personnel, the local EOC emergency response coordinators and field emergency response personnel. Each frequency is dedicated for specific groups as follows:

- o EOC/Patchogue Staging Area to Patchogue dispatched Traffic Guides
- o EOC/Riverhead Staging Area to Riverhead dispatched Traffic Guides
- o EOC/Port Jefferson Staging Area to Port Jefferson dispatched Traffic Guides
- o EOC to Road Crews, and Evacuation Route Spotters
- o EOC to Transfer Points and as a backup to Ambulance Dispatchers

Road Crews, Traffic Guides, Route Spotters and Transfer Point Coordinators will be provided with mobile radios for communications with the EOC or the staging areas directly.

Fixed ambulance and ambulance dispatch stations, and the mobile ambulances and ambulances are equipped with their own radios which are used in day-to-day operations. LERO personnel will have direct radio or telephone communication with applicable normal dispatch locations. The radio system will be a back up communications link to commercial telephone. The Ambulance Coordinator will contact the ambulance companies to dispatch their vehicles to the Emergency Worker Decontamination Facility in Brentwood, where they will receive assignments.

D - Dedicated Telephone Lines

Dedicated telephone lines, established through the New York Telephone Company, will ensure additional communications capabilities between individuals responsible for key emergency functions. Being outside the commercial telephone network, these lines are not



subject to telephone switching office overload. The dedicated lines established are:

1. Local EOC to EOF Response Manager
2. Local EOC to EOF Emergency Planning Advisor #1
3. Local EOC to EOF Dose Assessment Staff
4. Local EOC to Brookhaven Area Office
5. Local EOC to Patchogue, Riverhead and Port Jefferson Staging Areas
6. Local EOC to Emergency News Center

## E - Commercial Telephone and Dimension

Commercial telephone service is available at each emergency response facility and provides the primary communication line to State of Connecticut, New York Telephone, Nassau County, FEMA, Hospitals, Ambulance Co., Bus Co., Nursing Homes, handicap facilities, Schools and the U. S. Coast Guard. In the event that the Radiological Emergency Communication System is not functional, or if New York State and Suffolk County are not able to respond, then commercial telephone will become the primary method of contact. (See onsite EPIP 1-5 and OPIP 3.1.1)

Dimension is available at LILCO owned facilities. The following locations are equipped with commercial telephone lines and/or Dimension.

- o Local EOC
- o LILCO TSC
- o LILCO EOF
- o LILCO Shoreham Control Room
- o Brookhaven Area Office
- o LILCO Electric Service Section Office, Hicksville
- o ENC
- o LILCO Staging Areas



LILCO has requested priority service maintenance from the New York Telephone Company for restoring service provided in the Local EOC. A letter of agreement from New York Telephone is included in Appendix B.

LERO maintains mobile phones for use by the Director, Manager of Local Response, Coordinator of Public Information and for distribution to field teams dispatched to areas outside of radio range.

F - Paging System

Key emergency personnel in the Local Emergency Response Organization and supporting emergency personnel can be contacted through the LILCO paging system.

Each pager is tone encoded to sound a distinct signal and show a digital display. The code number displayed shall serve as a verification to the individual that an actual incident has occurred. Depending on the code number, the individual shall be brought to a standby status or be directed to report to his/her pre-assigned duty station. The encoded tone is generated by dialing a number to access the system and then inputting a unique code that results in the desired pager group receiving notification. Once the pager encoder is accessed, the code number wished to be displayed may then be keyed in.

The paging systems can be accessed by any telephone.

Individuals equipped with pagers include those in Figure 3.3.6.

Individuals with pagers are to call-in to the Automated Verification System, located at the Electric Service Section Office, upon receipt of notification. This system can be easily accessed by touch-tone telephones.

Should the emergency worker only have access to a rotary phone he will contact an operator at an Electric Service Section Office who will record this information.

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## G - Telecopy Machines

High speed telecopy machines will be utilized to transmit and receive hard copy information pertaining to the emergency. The telecopy machines link the Electric Service Section Office, Local EOC, Staging Areas, EOF and ENC. Types of information that can be transmitted include plant status, release information, dose projections, environmental monitoring data, protective action recommendations, and public information.

## H - Prompt Notification System

A system of 89 fixed sirens mounted throughout the 10 mile EPZ will be used to alert the public to listen to a local EBS radio station. The system is activated from the Local EOC, or in the case of the declaration of a General Emergency requiring protective actions prior to the time the EOC is activated, from the SNPS Control Room. A backup encoder is located at the Brookhaven Substation. This system is maintained by the utility.

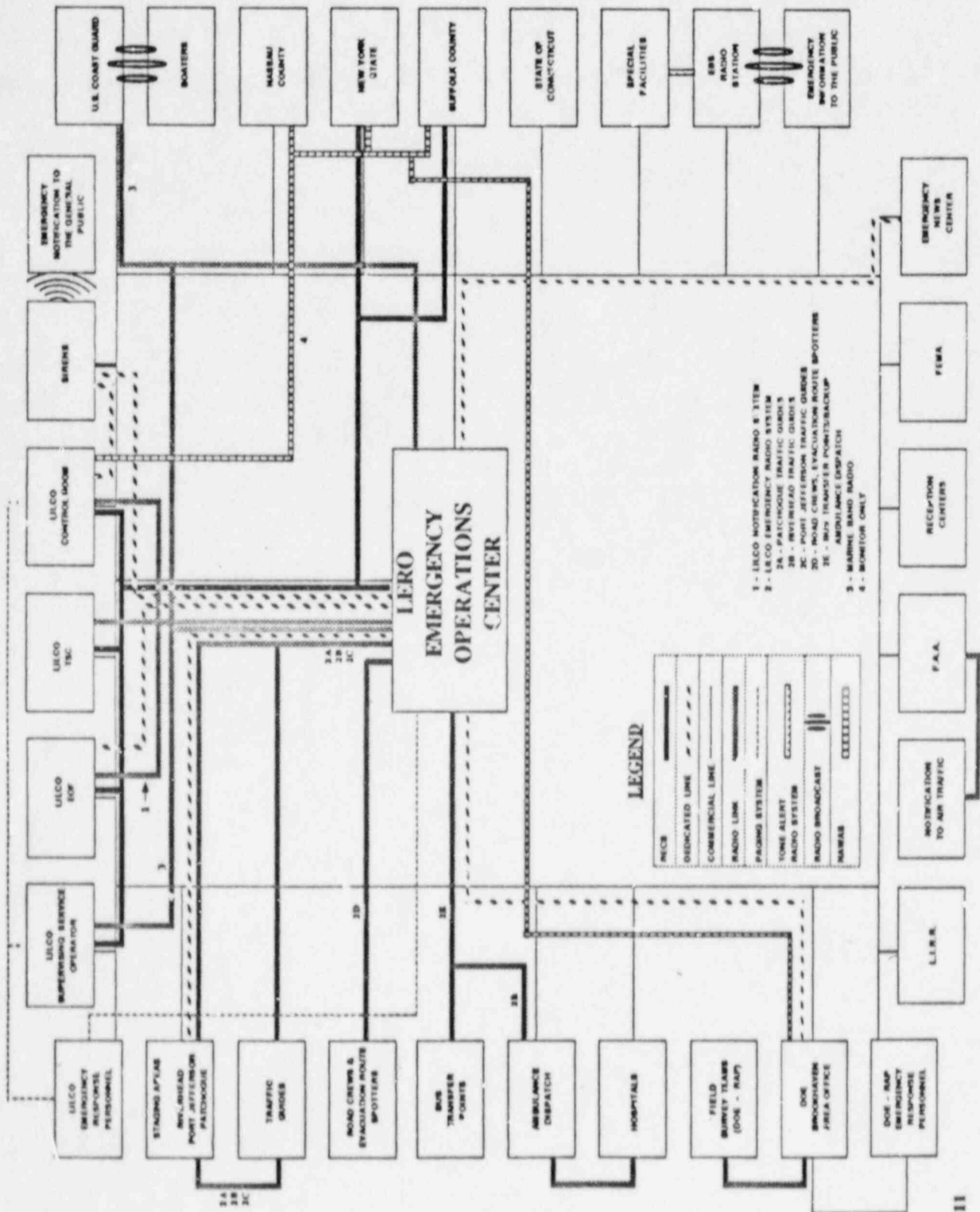
The tone alert radio system is turned on automatically by the EBS signal from the WPLR radio station, thus enabling it to transmit the EBS emergency message. Tone alert radio receivers are provided for special facilities including schools, hospitals, medical support hospitals, handicapped facilities, nursing homes and major employers.

Mobile public address systems mounted on LERO vehicles provide backup to the siren system. They provide a means for alerting the public to listen to a local EBS radio station.

## I - Federal Communications Support

The Department of Energy Radiological Assistance Plan (DOE-RAP) provides for support to the Local Emergency Response Organization from various Federal resources. Communications support is one of the services that can be deployed as part of the DOE-RAP response.

FIGURE J.4.1  
SUMMARY OF COMMUNICATIONS SYSTEMS



Medical and Public Health Support

The purposes of these sections are (1) to provide primary and emergency care and treatment for the ill and injured both in the general public and for emergency workers; (2) to determine the movement or consolidation of patients, equipment, and personnel of hospitals, nursing homes and other special facilities in risk or affected areas, and request assistance from emergency services as appropriate; and (3) to coordinate the allocation of medical resources and provide public health and environmental sanitation services.

Responsibilities

The Health Services Coordinator will coordinate all medical and public health services and will be responsible for ensuring that sufficient personnel and resources are available for this function. Figure 3.7.1 summarizes this section in a matrix form.

## A - Medical Health

The Emergency Medical/Public Service Coordinator under the direction of the Health Services Coordinator will ensure medical services. Reporting to the Health Services Coordinator are the Hospital Coordinator and Ambulance Coordinator who will coordinate the services of trained emergency medical technicians to administer first aid and prepare the injured for further medical treatment. The Ambulance Coordinator will also coordinate ambulances and ambulette/vans to transport invalids.

The Hospital Coordinator will keep the hospitals informed should their services be required. Contaminated injured members of the public requiring hospitalization can be transported via ambulances primarily to Brunswick General Hospital Center in Amityville as a backup or to the Mid-Island Hospital in Bethpage. The V.A. Medical Center in Northport and the Nassau County Medical Center in East Meadow will be used as secondary backups. In addition, other accredited hospitals on Long Island that can treat contaminated/injured individuals are listed in OPIP 4.2.2, Attachment 1. These hospitals, which were chosen from the American Hospital Association Guide because they use radioactive isotopes, are accredited by the Joint

3.8 Public Information

A - Public Education Materials

- o Preparation for an Emergency at the Shoreham Nuclear Power Station - The Long Island Lighting Company will assure that educational materials are provided on a continuous basis, to prepare the population within the EPZ for an emergency at the plant. Information will be circulated through inserts in telephone books and direct mailings, in addition to the emergency planning brochure.
  
- o Radiological Emergency Information For Farmers, Food Processors and Food Distributors - The Long Island Lighting Company will assure that a brochure with ingestion pathway information is distributed to all farmers, distributors and food processing facilities within 10 miles of Shoreham on an annual basis. This brochure will be equivalent to the information distributed by the New York State Public Education Management Group in the vicinity of other New York State nuclear power plants. In the event of an actual emergency LERO will request New York State and Connecticut to distribute their brochures in the 50 mile Ingestion Pathway Zone as appropriate.

The Emergency Preparedness Coordinator (EPC) is responsible for the review of all educational brochures and posters for residents and transients, as well as any other audiovisual programs, documents, etc., designed to educate the public in the EPZ on emergency planning.

The EPC will coordinate closely with LILCO's Office of Public Affairs.

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The Suffolk County telephone directory inserts will include the following:

- o map of 10 mile EPZ/emergency planning zones
- o list of EBS stations
- o siren system description/purpose
- o protective actions the public may be advised to take (sheltering, evacuation)
- o reception center locations
- o items to take along for an evacuation.

Local telephone directories will also contain the above items. In addition, these local directories will contain maps showing evacuation routes.

#### Supplementary Distribution

Educational materials may be made available through:

- o A section in the emergency information part of local telephone directories.
- o Distribution of material (brochure) to every LILCO customer in the EPZ.
- o Distribution of handouts at all schools. This material will emphasize the protective response measures applicable to the schools and will also repeat the information applicable to the EPZ population in general.
- o Posted notices at all concentrations of transient population, such as: motels, gas stations, beaches, restaurants, and other recreation areas.
- o Posted notices will be provided to local institutions (nursing homes, hospitals, etc.) Notices will be provided to places with public bulletin boards (post offices, libraries, etc.)

#### Frequency Of Information Distribution

Public educational information will be reviewed and updated on an annual basis. The CPI will brief news media on all updates and mailouts.

#### Media Awareness

LERO will coordinate the development of an annual orientation program for members of the news media which will be further reinforced during biennial exercises.

Such a program will familiarize the media with utility and offsite emergency plans, the role of offsite response organizations vs. the State and local organizations during the emergency, radiation information, points of contact for release of public information in the event of an emergency, and the location and operation of the Emergency News Center (ENC).

B - Public Information During An Emergency At Shoreham

Emergency Response

- o Coordinating and Dispersing of Information During an Incident at the Shoreham Nuclear Power Station - The Director of Local Response, through the Coordinator of Public Information (CPI), will provide information and instructions to the public at the time of an incident at the plant. Information will focus on the nature of the incident and the response (if any) that individuals should be making. The LERO Spokesperson shall coordinate the release of information working in conjunction with the County Executive or his authorized designee. At this point, the primary means of communication is the EBS network.

The LERO Spokesperson and the Public Information staff shall establish a working communications office at the Emergency News Center (ENC) in the LILCO Training Center, Hauppauge. Desk space and telephones are provided for public information personnel from New York State and Suffolk County. All public information personnel will confer on a regular basis to ensure that accurate and consistent emergency information is being shared and discussed. Prior to public announcements, all parties shall discuss the information that is about to be relayed and how that information may impact on the responsibilities of the agencies involved. The LERO spokesperson will represent LERO at press conferences.

The desk provided for the LERO Public Information staff is equipped with a dedicated telephone for direct contact with the Coordinator of Public Information at the EOC. The Public Information Support Staff will be able to contact the CPI Staff at the Local EOC, as required, via an additional telephone which is provided.

Desk space and telephones to accommodate the various representatives of the news media will be provided at the ENC. This will consist of 60 telephones, 30 typewriters and work space for approximately 100 people. Additionally, there is a conference room which will accommodate approximately 300 members of the press.

# DRAFT

## Emergency Broadcast System (EBS)

The Emergency Broadcast System, or EBS, is a federally sponsored network of radio and television stations that provides a rapid means of contacting the public during emergency situations. 47 C.F.R. Part 73, Subpart G, Section 73.901, et seq. It operates on National, State, and Operational Area (Local) levels.

The New York State Emergency Broadcast System is activated by a request from authorized officials to the State's Originating Primary Relay Stations: WABC, WNBC, and WCBS in New York City. For emergency situations not involving the entire State, local authorities may request activation of the EBS at the Operational Area level through the Common Program Control Station (CPCS) serving the affected area. New York State Emergency Broadcast System (EBS) Operational Plan (July 1981) at 2. Federal regulations permit the EBS at the State and local level to also be activated at the discretion of the management of the participating broadcast stations, even without the request of government officials, in connection with day-to-day emergency situations posing a threat to the safety of life and property. 47 C.F.R. Section 73.935(a). The New York State EBS Plan implementing the federal structure specifically includes "radiological incidents" within this class of life-or property-threatening events. New York State EBS Operational Plan at 2.

The State-level EBS applicable to Shoreham is the New York State system. The local Operational Area system applicable to Shoreham is the Nassau-Suffolk Counties Operational Area. The New York State EBS Operational Plan specifies the composition of and basic procedures for the State and Operational Area systems.

The EBS for the Nassau and Suffolk Counties Operational Area is comprised of over 30 Long Island radio stations. The New York State EBS Plan designates WCBS in New York City as the primary originating station (referred to as "PRI CPCS-1") for the Nassau and Suffolk Counties operational area. WCBS is a fifty kW clear-channel, 24-hour AM station whose signal provides coverage over the entire Shoreham 10-mile EPZ. With its cascading relays it ensures redundant coverage of the Shoreham EPZ. Included in the State network is WALK in Patchogue, formerly the CPCS in the Shoreham local EBS.



# DRAFT

In the event of a Shoreham emergency declaration, the  
Director of Local Response will seek permission from  
the Suffolk County Executive, or his designee, to  
activate the Nassau-Suffolk Operational Area EBS prior  
to issuing an EBS message. OPIP 3.3.1, Attachment 10,  
Step D. In the event that the LERO Director is unable  
to contact the Suffolk County Executive or some other  
responsible County official in a timely manner, the  
LERO Director will seek permission from New York State  
to activate the EBS through the New York State  
Emergency Management Office (SEMO). SEMO is  
designated by the New York State EBS Operational Plan  
at 4 as being responsible for activating the State  
level EBS.

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The Director of Local Response will request the official WCBS-EBS authentication code for WCBS or, as necessary, other authentication assistance from pertinent County or State officials. If the officials are unable to provide the official authentication code information for WCBS in a timely manner, the LERO Director will, using his best judgement in light of emergency circumstances, request official permission to contact WCBS directly and will ask WCBS to verify by return phone call, in accordance with the Nassau-Suffolk Counties Operational Area EBS procedures. The LERO Director, or the LERO Coordinator of Public Information, will then activate the EBS system as detailed in OPIP 3.3.4 and 3.8.2, Section 5.1.1. LERO's procedures for activating the Nassau-Suffolk Operational Area EBS and broadcasting emergency information conform directly with the existing implementation procedures in the Nassau-Suffolk Operational Area EBS Plan. OPIP 3.8.2, Section 5.1.1 (b) (1)-(5).

Sample EBS messages used by LERO and details of EBS activation are contained in OPIP 3.8.2.

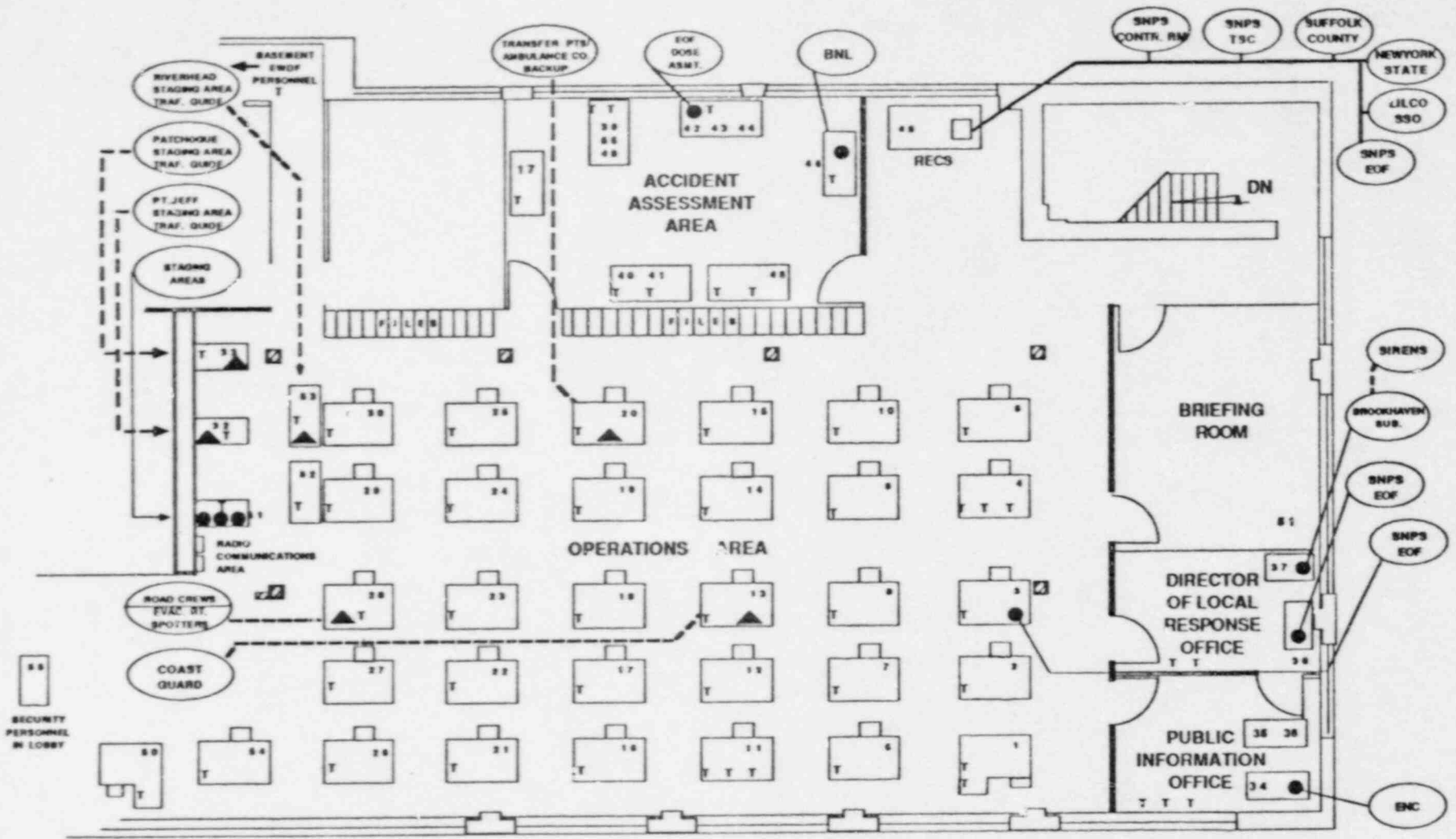
#### Press Conferences

Press conferences will be conducted periodically in the Press Conference Room of the ENC. Private and public agency/or organization representatives (i.e. American Red Cross, Suffolk County, FEMA, NRC, State officials, etc.) will be invited to join LERO workers at the ENC to participate as a panel in all press conferences to provide up-to-date information, respond to any rumor received, and answer any questions the media may have. This panel will also be invited to help disseminate any emergency announcements including accident termination ("ALL CLEAR") announcements.

# DRAFT

o	Television	1
		2
o	Copies of offsite plan and procedure.	3
		4
o	Gas Generator	5
		6
o	24 Hour Clocks.	7
		8
	Communications Equipment (Figure 4.1.3)	9
		10
o	Dedicated telephone lines	11
	EOC to ENC	12
	EOC to EBS Radio Station	13
	EOC to EOF Response Manager	14
	EOC to EOF Emergency Planning Advisor #2	15
	EOC to EOF Dose Assessment Staff	16
	EOC to DOE Brookhaven Area Office	17
	EOC to Staging Areas	18
		19
o	Radio links	20
	EOC to Traffic Guides	21
	EOC to Road Crews/Evacuation Route Spotters	22
	EOC to Transfer Points/Ambulance Dispatch Stations	23
		24
	EOC to DOE-RAP Field Teams (via BHO, or direct if DOE relocates to the EOC.)	25
		26
		27
o	Radiological Emergency Communications System From the EOC, LILCO control Room, LILCO TSC, Suffolk County, N.Y. State, LILCO Electric Service Section, LILCO EOF	28
		29
		30
		31
		32
o	Dimension/Commercial telephone line/Mobile Phones	33
		34
	Miscellaneous Equipment	35
		36
o	EOC Message Log	37
		38
o	Message form (Attachment 4.1.1)	39
		40
o	EOC identification cards	41
		42
o	Office supplies	43

REV. 11



2ND FLOOR  
 LERO  
 RELOCATION  
 CENTER STAFF

LEGEND  
 RECS  
 DIMENSION/COMMERCIAL T  
 DEDICATED LINE  
 RADIO LINK

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**LOCAL EMERGENCY RESPONSE CENTER**  
 PRINCIPAL MODES B  
 PATHS OF COMMUNICATIONS  
 FIG.4.1.3

REV.21

**DRAFT**

# DRAFT

Drills may involve the integrated response of all LERO facilities or any combination of facilities or functions as deemed necessary by the Emergency Preparedness Coordinator.

Exercises are evaluation sessions conducted to test the ability of the LERO organization to function as an integrated unit and carry out its responsibilities

#### 4. Field Practicals

LERO Traffic Guides are required to participate in field practicals designed to provide them with the necessary skills to facilitate the flow of vehicle traffic through intersections during an evacuation. Traffic Guides are required to attend both daytime and nighttime field practicals.

The Emergency Preparedness Coordinator may introduce additional field practical sessions for other LERO workers, as necessary.

#### C - Training of Non-LILCO Personnel

In addition to the comprehensive training program for LILCO employees who are members of LERO, training and information sessions will be provided to those support organizations which are part of the LERO plan including ambulance companies, U.S. Coast Guard, DOE, Island Helicopter, and outside consultants. Specific training as indicated in OPIP 5.1.1 is provided on an annual basis. It is the responsibility of the organizations to ensure that they maintain an adequate number of trained individuals on staff at all times and to identify to the Emergency Preparedness Coordinator any understaffing which may require additional training.

Training and information sessions will also be offered annually to other organizations such as schools, hospitals, nursing homes, special facilities and the American Red Cross, which may be called on to take actions during an incident at SNPS.

LERO will offer the same exact LERO training to their State and County counterparts and shall attempt to involve Suffolk County and New York State officials in the exercises and drills, but their participation is not required.

SECTION 7.2

PROCEDURES

ATTACHMENT 1 INDEX  
(continued)

<u>No. of Shifts</u>	<u>Title</u>	<u>OPIP 2.1.1 Page Number</u>
2	Private Schools Coordinator	41
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2	Home Coordinator	43
2	Route Alerting Drivers	44
1	Transportation Support Coordinator	46
2	Bus Coordinators	47
2	Bus Dispatchers	48
2	Transfer Point Coordinators	49
2	Bus Drivers	50
1	Support Services Coordinator	51
2	Logistics Support Coordinator	54
2	EOC Administration Support	55
2	Staging Area Support Staff	57a
2	Material Purchasing	58
2	Maintenance	59
2	Security Coordinator	60
2	Security Personnel - EOC/SA	61
2	Lead Communicator	65
2	Communication Repair Technician	65a
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2	Coordinator of Public Information	69
2	Public Information Staff	70
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3	LERO Family Tracking Center Coordinator	72
2	LERO Family Tracking Center Staff	73
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2	LERO Relocation Center Staff	75



POSITION DEFINITIONS  
(continued)

Emergency Position: Record Keepers

Activation Level: Alert through General Emergency

Response Location: EOC, Emergency Worker Decontamination Facility, Staging Areas, and Reception Center

Responsible to: Dosimetry Coordinator, Decontamination Leaders, Staging Area Coordinators

Responsibilities:

- a. Assist the LERO Radiation Monitors and LERO Decontamination Personnel at all locations by filling out and maintaining the paperwork/forms required during personnel monitoring and decontamination efforts.
- b. Relaying radiological information/results to the appropriate leader or coordinator in cases where radiological contamination is found on vehicles or individuals arriving at the facilities.
- c. Zeroing and distributing dosimetry equipment and maintaining Emergency Worker dose records.

Representative  
Titles of Individuals  
Designated to Fill  
This Position:

LILCO Environmental Scientists -  
Environmental Engineering

LILCO Environmental Engineers -  
Environmental Engineering

LILCO Associate Environmental Engineers -  
Environmental Engineering

LILCO Associate Engineers - Planning

LILCO Engineers - Planning/Power  
Engineers/Systems Engineer - Operations  
Analysis



POSITION DEFINITIONS  
(continued)

Emergency Position: Reception Center Supervisor  
Activation Level: Alert through General Emergency  
Response Location: Evacuee Reception Centers  
Responsible to: Decontamination Coordinator  
Responsibilities:  
a. Provide overall direction for all LERO activities at the evacuee reception centers.  
b. Provide status reports to Decontamination Coordinator.

Representative  
Titles of Individuals  
Designated to Fill  
This Position:

LILCO Project Supervisor - Special Services  
LILCO Technical Services Engineer - MSD  
LILCO Chief Maintenance Supervisor - Special Services  
LILCO Maintenance Supervisor - Special Services  
LILCO Mechanical Supervisor - Special Services  
LILCO Scheduling Supervisor - Special Services  
LILCO Work Coordinator - MSD  
LILCO Maintenance Engineer - MSD

POSITION DEFINITIONS  
(continued)

Emergency Position: Decontamination Leaders  
Activation Level: Alert through General Emergency  
Response Location: Emergency Worker Decontamination Center and Reception Center  
Responsible to: Decontamination Coordinator  
Responsibilities: a. Providing direction and coordination for radiological monitoring and decontamination at the Emergency Worker Decontamination Center and the Reception Center.

Representative  
Titles of Individuals  
Designated to Fill  
This Position:

LILCO Project Supervisor - Special Services  
LILCO Technical Services Engineers - MSD  
LILCO Chief Maintenance Supervisor - Special Services  
LILCO Maintenance Supervisor - Special Services  
LILCO Mechanical Supervisor - Special Services  
LILCO Scheduling Supervisor - Special Services  
LILCO Work Coordinator - MSD  
LILCO Maintenance Engineer - MSD

POSITION DEFINITIONS  
(continued)

Emergency Position: Road Crew

Activation Level: Alert through General Emergency

Response Location: Staging Areas/field locations as directed by the Road Logistics Coordinator

Responsible to: Road Logistics Coordinator (dispatched by Lead Traffic Guides)

Responsibilities:

- a. Upon activation, obtaining the designated vehicle (tow truck, line truck or fuel truck) from its storage location and report to the staging area.
- b. Clearing disabled vehicles or other obstacles from evacuation routes as directed by the Road Logistics Coordinator.
- c. Dispense fuel to evacuating vehicles.
- d. Assist with transport of Traffic Control Post equipment and establish one-way traffic flow.

Representative  
Titles of Individuals  
Designated to Fill  
This Position:

LILCO Automotive & Equipment Specialist -  
Transportation

LILCO Mechanics A 1 & B - General Shops

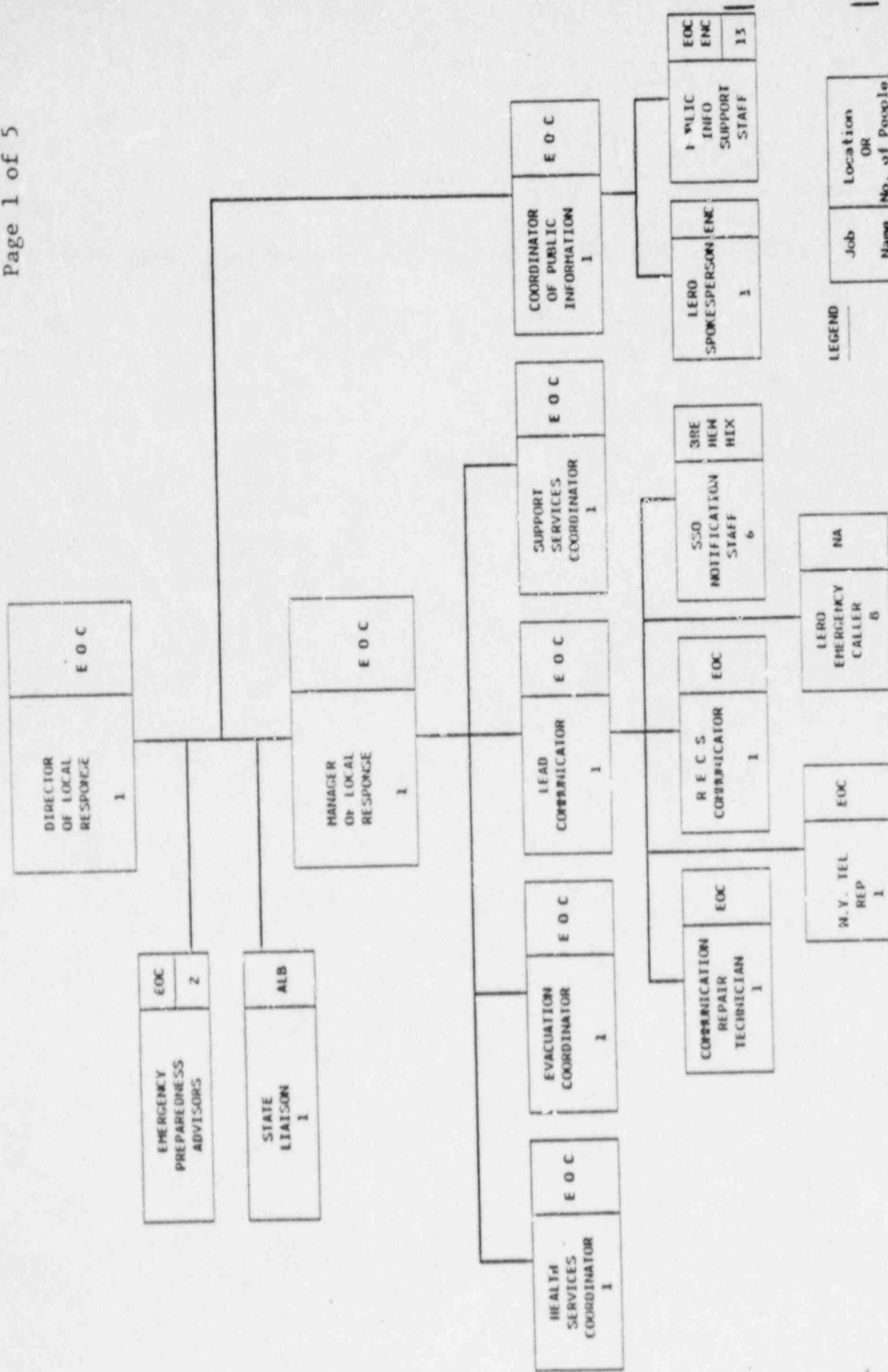
LILCO Working Garage Foreman A & B -  
Transportation

LILCO Automotive & Equipment Mechanics -  
Transportation

LILCO Working Construction Foreman A&B -  
Transportation

LILCO Working Shops Foreman

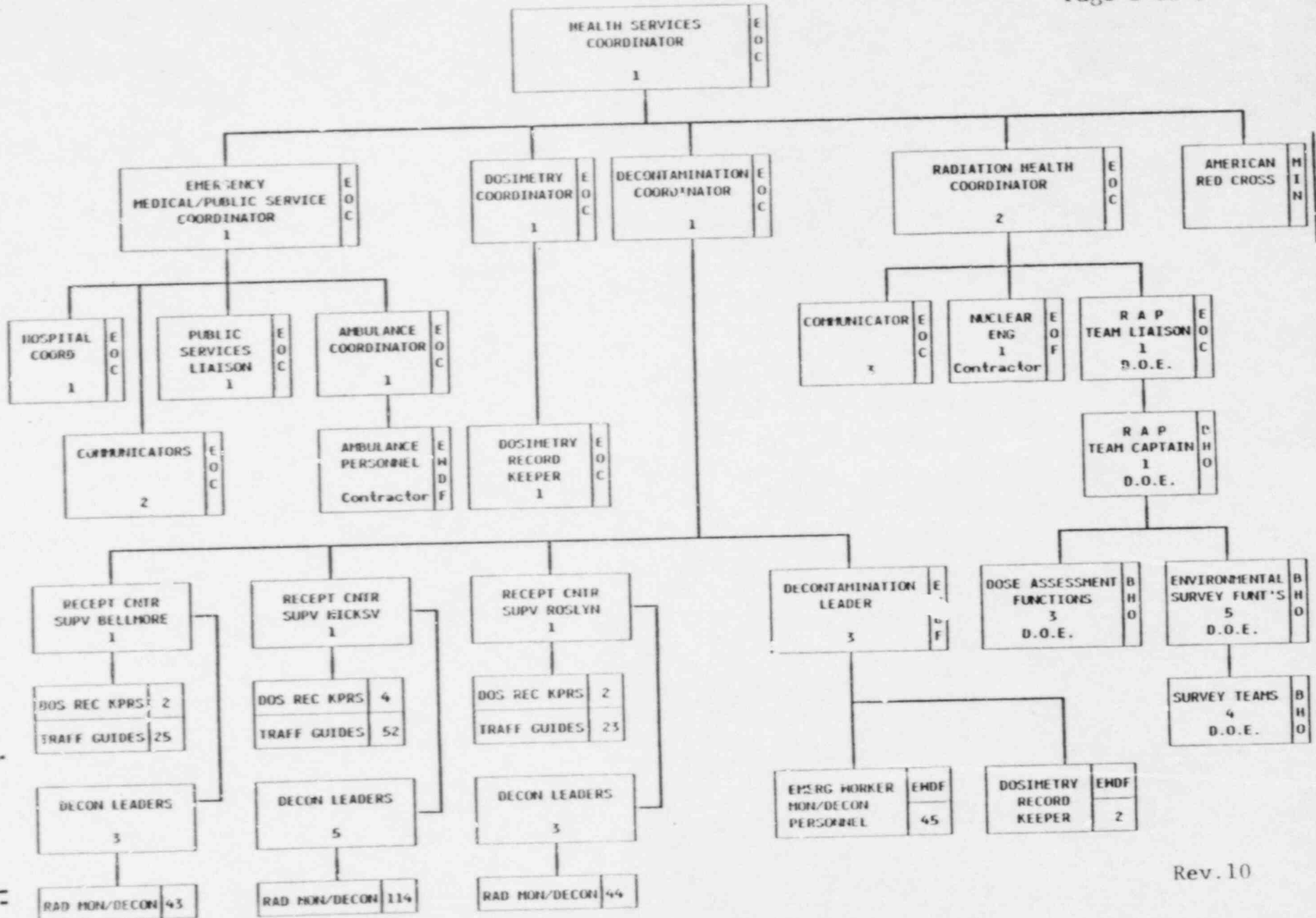
LOCAL EMERGENCY  
RESPONSE ORGANIZATION



LEGEND

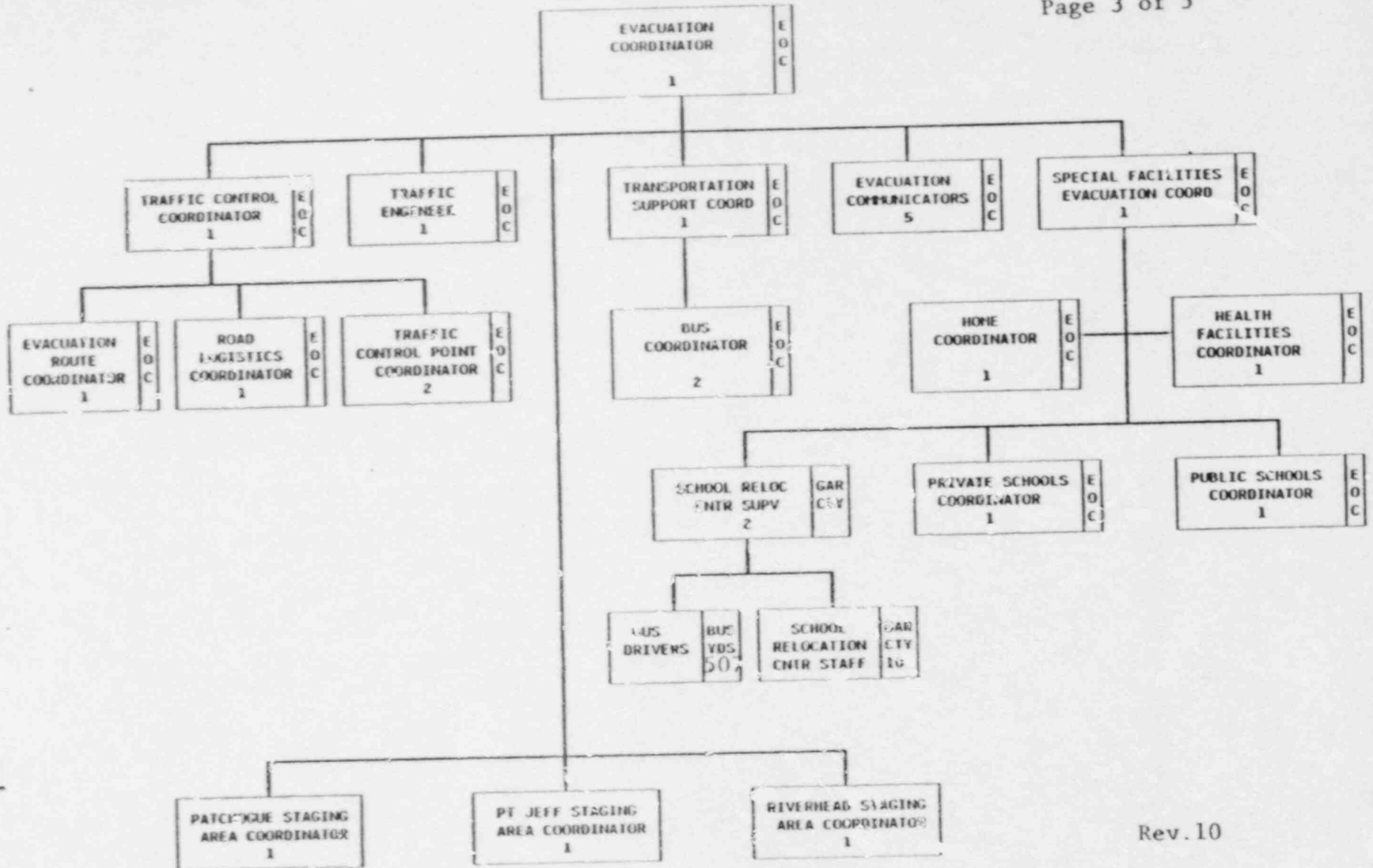
Job Name	Location OR No. of People
LEAD EMERGENCY CALLER	8 NA
W. Y. TEL REP	1 EOC
SSD NOTIFICATION STAFF	6
3RE HEM HIX	
LEAD SPOKESPERSON	1 ENC
PUBLIC INFO SUPPORT STAFF	13 EOC

LOCAL EMERGENCY  
RESPONSE ORGANIZATION



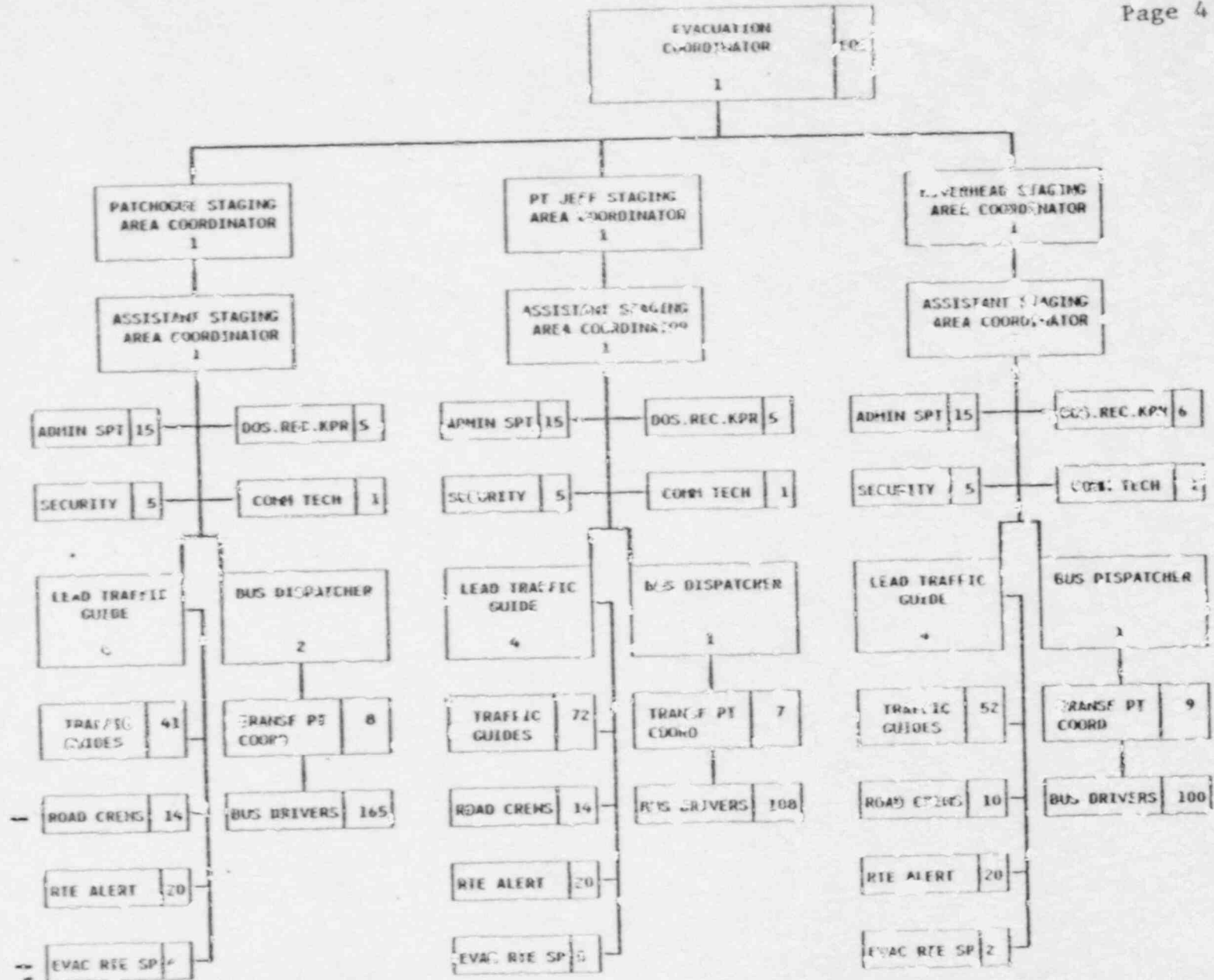
LOCAL EMERGENCY  
RESPONSE ORGANIZATION  
EVACUATION COORDINATION AT THE EOC

OPIP 2.1.1  
Page 78 of 79  
Attachment 3  
Page 3 of 5



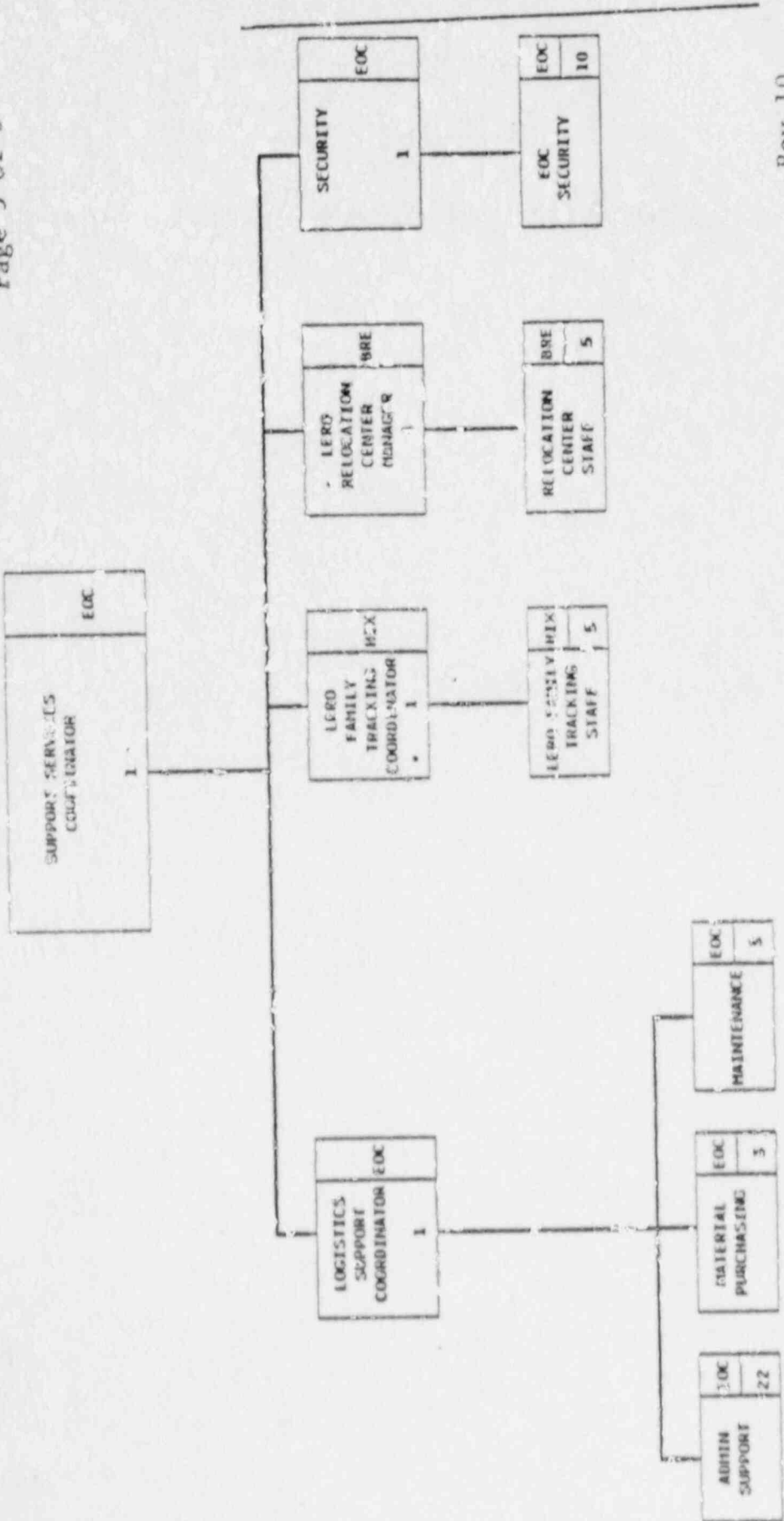
LOCAL EMERGENCY  
RESPONSE ORGANIZATION  
EVACUATION COORDINATION AT STAGING AREAS

OPIP 2.1.1  
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Attachment 3  
Page 4 of 5





LOCAL EMERGENCY  
 RESPONSE ORGANIZATION



Rev.10



DIRECTOR OF LOCAL RESPONSE  
EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

B. ALERT - Pager Indicates 2222

Time/Date    Initials

B1.       /                 Upon notification, call the LILCO Supervising Service Operator and indicate your name and your verification number. Obtain emergency information from the Radiological Emergency Data Form and complete the LERO Event Summary Sheet, Attachment 9. Contact the Suffolk County Executive in accordance with Attachment 10.

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B2.       /                 The EBS and Prompt Notification System Sirens should be activated at the Alert level if schools are to be advised to implement early dismissal for their students or cancel classes. Contact the CPI to assist you in issuing the EBS message. (OPIP 3.3.4, 3.8.2)

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B3.       /                 After conferring with the Suffolk County Executive contact the Nassau County Executive (535-3131 24 hour number). Explain that the following Nassau County resources will be needed if an evacuation is recommended:

\_\_\_\_\_ to conduct monitoring and examination of the evacuating \_\_\_\_\_ at LILCO facilities in Bellmore \_\_\_\_\_ and Roslyn. (OPIP 4.2.3)

\_\_\_\_\_ of both the Nassau Coliseum and Nassau Community College as school relocation centers if schools are evacuated. (OPIP 4.2.1)

DIRECTOR OF LOCAL RESPONSE  
EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

C. SITE AREA AND GENERAL EMERGENCY - Pager Indicates 3333 or 4444

	<u>Time/Date</u>	<u>Initials</u>	
C1.	<u>      /      </u>	<u>      </u>	If initial notification is a Site Area Emergency or a General Emergency, upon notification, immediately call the LILCO Supervising Service Operator and indicate your name and your verification number. Obtain emergency information from the Radiological Emergency Data Form and complete the LERO Event Summary Sheet, Attachment 9.

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

C2.	<u>      /      </u>	<u>      </u>	If at the EOC confer with the Radiation Health Coordinator to obtain an assessment of the radiological emergency. Determine the appropriate protective actions required for plume exposure pathway in accordance with OPIP 3.5.1, Plume Exposure Pathway Protective Action Recommendations, and ingestion pathway in accordance with OPIP 3.6.6, Ingestion Pathway Protective Actions.
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NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

C3.	<u>      /      </u>	<u>      </u>	Contact the Suffolk County Executive in accordance with Attachment C. With the approval of the Suffolk County Executive, initiate notification of the public in accordance with OPIP 3.3.4, Prompt Notification System Activation and OPIP 3.8.2, Emergency Broadcast System Activation.
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NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DIRECTOR OF LOCAL RESPONSE  
EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

C. SITE AREA AND GENERAL EMERGENCY - (Continued)

- |     | <u>Time/Date</u> | <u>Initials</u> |   |
|-----|------------------|-----------------|---|
| C4. | ___/___          | _____           | If initial notification is a Site Area Emergency or General Emergency, follow Steps B3 through B10 of the ALERT checklist.<br><br>NOTES: _____<br>_____<br>_____  |
| C5. | ___/___          | _____           | If informed that the Governor of New York State has declared a "State of Emergency" ensure coordination with the Governor via the State's Emergency Management office (518-457-2200).<br><br>NOTES: _____<br>_____<br>_____ |
| C6. | ___/___          | _____           | Direct the Manager of Local Response to begin immediate implementation of all appropriate protective action operations.<br><br>NOTES: _____<br>_____<br>_____   |

# DRAFT

OPIP 3.1.1  
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Attachment 2  
Page 3 of 10

## MANAGER OF LOCAL RESPONSE EMERGENCY RESPONSE ACTION CHECKLIST (continued)

### B. ALERT - Pager Indicates 2222

Time/Date    Initials

B1.       /                 Upon notification, call the LILCO Supervising Service Operator and indicate your name and your verification number. Obtain emergency information from the Radiological Emergency Data Form and complete the LERO Event Summary Sheet, Attachment 9, of this procedure.

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B2.       /                 Notify the Manager of the Brentwood Customer Relations District Office and direct that the EOC area be cleared, if the EOC is to be activated during working hours and Brentwood Security notified, in accordance with OPIP 4.1.1, Section 5.2.

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B3.       /                 Report to the EOC and proceed to implement Section 5.2.2 of OPIP 4.1.1, EOC Activation. Assign an available person to fill out and maintain the LERO Status Form, Section E of Attachment 2.

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



MANAGER OF LOCAL RESPONSE  
EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

B. ALERT (continued)

	<u>Time/Date</u>	<u>Initials</u>	
B5.	<u>  /  </u>	<u>      </u>	Conduct periodic coordinated briefings of the EOC staff whenever significant changes occur. Ensure that the Lead Coordinators are performing the appropriate steps described in Attachments 3, 4, 5, 6, and 7 of this procedure.

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B6.	<u>  /  </u>	<u>      </u>	Immediately upon arrival at the EOC, ensure the following actions are taking place: <ul style="list-style-type: none"><li>a. Buses are being prestaged, use a 10 mile keyhole unless meteorology clearly indicates otherwise.</li><li>b. If school precautionary or protective actions have been recommended, an EBS message should be (have been) issued and a copy provided to the School Coordinators.</li><li>c. Mobilize the LERO School Bus Drivers when schools are in session and:<ul style="list-style-type: none"><li>o School evacuation is recommended</li><li>o Early dismissal is recommended and any EPZ Public School District indicates that they are not implementing early dismissal. If a nursery or parochial school indicates that they are not, early dismissing have buses specially dispatched from the Patchogue Staging Area.</li></ul></li></ul>
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MANAGER OF LOCAL RESPONSE  
EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

B. ALERT (continued)

Time/Date    Initials

d. Road crews are being dispatched to field locations.

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B7.    /    \_\_\_\_\_

If any senior or functional coordinators have not arrived, direct a qualified individual to perform the actions of the missing coordinator until their arrival.

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B8.    /    \_\_\_\_\_

Evaluate the staffing of the EOC, if needed, arrange for the mobilization of additional LERO personnel for deficiencies and/or shift changes through the Lead Communicator.

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



MANAGER OF LOCAL RESPONSE  
EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

D. CONTINUING TASKS

- |     | <u>Time/Date</u> | <u>Initials</u> |   |
|-----|------------------|-----------------|---|
| D1. | <u>  /  </u>     | <u>      </u>   | Update the Director of Local Response on a regular basis about LERO operations and resources:<br><br>a. <u>      </u> Operations Status<br>b. <u>      </u> Manpower Status<br>c. <u>      </u> Equipment Status<br>d. <u>      </u> Special Functions Status<br><br>NOTES: _____<br>_____<br>_____ |
| D2. | <u>  /  </u>     | <u>      </u>   | Ensure coordination of LERO resources with federal, state and local government, and other organizations.<br><br>NOTES: _____<br>_____<br>_____  |
| D3. | <u>  /  </u>     | <u>      </u>   | Ensure adequate LERO staffing for the duration of the emergency.<br><br>NOTES: _____<br>_____<br>_____  |
| D4. | <u>  /  </u>     | <u>      </u>   | Keep abreast of any extra personnel called in at the discretion of LERO supervisors to assist in the emergency response.<br><br>NOTES: _____<br>_____<br>_____  |



E. LECO STATUS FORM

Date:

E1. ALERT

Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
Facility Activation					
EOC	Manager LR	Status Board			
ENC	CPI				
Port Jefferson SA	Evac Coordinator				
Riverhead SA	Evac Coordinator				
Patchogue SA	Evac Coordinator				
EBS Message	CPI				
Notify Schools of PAR	Schools Coordinator	School Status Board OPIP 3.6.5, Att. 19			
Notify Brookhaven Lab	Rad Health Coord.				
Bus Dispatch Message Sent to SA	Transportation Support Coord.	Status Board			
Road Crew Arrival at SA	Evac Coordinator	Manning Status OPIP 3.1.1, Att. 4.E			
Road Crew at Post	Road Logistics Coordinator	Communications Road Crew List OPIP 3.6.3, Att. 18			
Siren Failure	CPI/Special Facility Evac Coordinator	Status Board OPIP 3.3.4, Att. 3, Siren Assignments			

**DRAFT**

E. LERO STATUS FORM

Date:

E2. SITE AREA EMERGENCY

Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
EBS (Sirens)	CPI	Status Board			<b>DRAFT</b>
Mobilize Ambulances	Ambulance Coordinator	Ambulance Listing OPIP 3.6.5, Att. 6			
Reception Hospital Availability	Hospital Coordinator	Hospital Listing OPIP 3.6.5, Att. 5			
Facility Activation Bellmore	Decon Coordinator	Status Board			
Hicksville	Decon Coordinator				
Roslyn	Decon Coordinator				
LERO Relocation Center	Support Services Coordinator				
Family Tracking	Support Services Coordinator				
Buses Drivers Arrived at SA	Evac Coordinator	Manning Status OPIP 3.1.1, Att. 4.E			
No. Buses at Transfer Points	Transportation Support Coord.	Status Board			
Traffic Guides Arrived at SA	Evac Coordinator	Manning Status OPIP 3.1.1, Att. 4.E			

E. LERO STATUS FORM

Date:

E2. SITE AREA EMERGENCY (continued)

Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
No. of TCPs Manned	Traffic Control Coordinator	TCP Communication List OPIP 3.6.3, Att. 17			<b>DRAFT</b>
Evacuation Route Spotters Arrived at SA	Evac Coordinator	Manning Status OPIP 3.1.1, Att. 4.E			
Routes Manned	Evacuation Route Coordinator	Evacuation Route Spotter Communication's List OPIP 3.6.3, Att. 19			
Verify Special Facility Transportation Needs	Health Facilities Coordinator	Health Facilities List OPIP 3.6.5, Att. 2			

E. LERO STATUS FORM  
 E3. GENERAL EMERGENCY

Date:  
 Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
<b>EVACUATION</b>					
EBS (sirens)	CPI	Status Board			<b>DRAFT</b>
Identify Congregate Care Centers	Health Services Coordinator	Congregate Care Center List OPIP 4.2.3, Att. 9			
Ambulance Dispatch	Ambulance Coord.				
Mobilize Buses (General Population) (Special Population)	Transportation Support Coord.	Status Board			
Activate TCPs/Road Crew/ Route Spotters	Traffic Control Coordinator				
Contact Homebound	Home Coordinator	Homebound List OPIP 3.6.5, Att. 1			
Contact Special Facility	Health Facilities Coordinator	Health Facilities List OPIP 3.6.5, Att. 2			
Notify Reception Hospitals	Hospital Coordinator	Hospital Listing OPIP 3.6.5, Att. 5			
Notify LILCO Reception Facilities	Health Facilities Coordinator	Health Facilities and School Listings OPIP 3.6.5, Att. 2 & 3			
Deaf Notification	Special Facil. Evac Coordinator	Deaf Notification Status OPIP 3.3.4, Att. 7			

E. LFRD STATUS FORM

Date:

E3. GENERAL EMERGENCY (continued)

Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
<b>EVACUATION</b>					
Notify Coast Guard/FAA/LIRR	Evac Coordinator	Supplementary Notification List OPIP 3.3.2, Att. 4			<b>DRAFT</b>
Consider Hospital Evacuation	Health Services Coordinator	PAR Status Board			
Consider Ingestion of KI	Rad Health Coord.	PAR Status Board			
Notify Field Personnel of KI	Dosimetry Coordinator				
Police Participation	EPA	Event Status Board			
One Way Traffic Flow	Traffic Control Coordinator	Road Crew Communication List OPIP 3.6.3, Att. 18			
Consider Sending Zones to Reception Center for Monitoring	Rad Health Coordinator	PAR Status Board			
Access Control (Post Evacuation)	Traffic Control Coordinator	TCF Map			
Notify INPO	Manager Local Response				

E. LERO STATUS FORM

E3. GENERAL EMERGENCY (continued)

Date:

Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
SHELTERING					
EBS (sirens)	CPI	Status Board			
Deaf Notification	Special Facil. Evac Coordinator	Deaf Notification Status OPIP 3.3.4, Att. 7			
Call Back Field Personnel	Evac Coordinator	Event Status Board			

DRAFT

E. LERO STATUS FORM

E4. RECOVERY

Date:

Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
REENTRY					
Evaluate Plant Conditions	Nuclear Engineer	RECS Message			
Field Monitoring	Rad Health Coord.	Field Monitoring Map			
Access Control	Traffic Control Coordinator	TCP Map			
EBS Message	CPI	Status Board			
REENTRY - Limited	Rad Health Coord.				
- Private Transportation	Traffic Control Coordinator	TCP Map			
- Bus	Transportation Support Coord.	Bus Status Board			
- Ambulance/Ambulette	Ambulance Coordinator	Ambulance Listing OpIP 3.6.5, Att. 6			

DRAFT

E. LERO STATUS FORM

Date:

E4. RECOVERY (continued)

Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
INGESTION PATHWAY					
Field Samples	Rad Health Coord.	Field Monitoring Map			
Notify Affected Governments	Director Local Response	Supplementary Notifications OPIP 3.3.2, Att. 4			
interface: NYS Agriculture & Markets Coop. Extention Agent	Rad Health Coord.				
Preventive Actions - Animals on Stored Feed	Rad Health Coord.	PAR Status Board			
Emergency Action - Food Interdiction	Director of Local Response	PAR Status Board			
Notify: Farmer Food Distributor Food Processor	Rad Health Coordinator	Food Industry Listings OPIP 3.6.6, Att. 9-16			
EBS/Press Release	CPI	Status Board			
Issue Farmers Brochure	Director of Local Response				

DRAFT



E. LERO STATUS FORM

Date:

ES. SPECIAL CIRCUMSTANCES

Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
<b>SCHOOL EVACUATION/SHELTER</b>					
Activate Pagers	Lead Communicator	Pager Activation			<b>DRAFT</b>
Obtain Coliseum/College	Director Local Response				
Notify Bus Companies	Transportation Support Coord.	Bus Listing OPIP 3.6.4, Att. 3			
Contact Schools	Schools Coordinators	School Status OPIP 3.6.5, Att. 19			
EBS Message	CPI	Status Board			
Mobilize School Relocation Center Staff	Special Facil. Evac Coordinator	Pager Activation			

E. LERO STATUS FORM

Date:

ES. SPECIAL CIRCUMSTANCES (continuer.)

Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
<b>TRAFFIC IMPEDIMENT #1</b>					
Notify Police	Traffic Control Coordinator	Road Impediment Checklist OPIP 3.6.3, Att. 22			<b>DRAFT</b>
Dispatch Road Crews	Road Logistics Coordinator	Road Impediment Checklist OPIP 3.6.3, Att. 22			
Dispatch Other Resources	Traffic Control Coordinator				
Reroute Traffic	Traffic Engineer				
Notify Traffic Guides	Traffic Control Coordinator				
Reroute Buses	Traffic Engineer				
Notify Transfer Point Coordinators	Transportation Support Coord.				
EBS Message	CPI	Status Board			

E. LERO STATUS FORM

Date:

ES. SPECIAL CIRCUMSTANCES (continued)

Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
TRAFFIC IMPEDIMENT #2					
Notify Police	Traffic Control Coordinator	Road Impediment Checklist OPIP 3.6.3, Att. 22			<b>DRAFT</b>
Dispatch Road Crews	Road Logistics Coordinator	Road Impediment Checklist OPIP 3.6.3, Att. 22			
Dispatch Other Resources	Traffic Control Coordinator				
Reroute Traffic	Traffic Engineer				
Notify Traffic Guides	Traffic Control Coordinator				
Reroute Buses	Traffic Engineer				
Notify Transfer Point Coordinators	Transportation Support Coord.				
EBS Message	CPI	Status Board			

E. LERO STATUS FORM

Date:

E5. SPECIAL CIRCUMSTANCES (continued)

Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
<b>TRAFFIC IMPEDIMENT #3</b>					
Notify Police	Traffic Control Coordinator	Road Impediment Checklist OPIP 3.6.3, Att. 22			<b>DRAFT</b>
Dispatch Road Crews	Road Logistics Coordinator	Road Impediment Checklist OPIP 3.6.3, Att. 22			
Dispatch Other Resources	Traffic Control Coordinator				
Reroute Traffic	Traffic Engineer				
Notify Traffic Guides	Traffic Control Coordinator				
Reroute Buses	Traffic Engineer				
Notify Transfer Point Coordinators	Transportation Support Coord.				
EBS Message	CPI	Status Board			

E. LERO STATUS FORM

Date:

E5. SPECIAL CIRCUMSTANCES (continued)

Approx. Time:

Item	Responsibility	Reference	Time		Remarks
			Start	Complete	
<b>TRAFFIC IMPEDIMENT #4</b>					
Notify Police	Traffic Control Coordinator	Road Impediment Checklist OPIP 3.6.3, Att. 12			<b>DRAFT</b>
Dispatch Road Crews	Road Logistics Coordinator	Road Impediment Checklist GPIP 3.6.3, Att. 22			
Dispatch Other Resources	Traffic Control Coordinator				
Reroute Traffic	Traffic Engineer				
Notify Traffic Guides	Traffic Control Coordinator				
Reroute Buses	Traffic Engineer				
Notify Transfer Point Coordinators	Transportation Support Coord.				
EBS Message	CPI	Status Board			

HEALTH SERVICES COORDINATOR  
EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

E. <u>MANNING STATUS</u>		Time _____		
<u>FACILITY</u>	<u>TITLE</u>	<u>RESPONSE LEVEL</u>	<u>NUMBER REQ.</u>	<u>NUMBER PRESENT</u>
EOC	Ambulance Coor.	Alert	1	
	Decon. Coor.	Alert	1	
	Dosimetry Coor.	Alert	1	
	Dosim. Recd. Kpr.	Alert	1	
	Emer. M.P.S. Com.	Alert	2	
	Emer. M.P.S. Coor.	Alert	1	
	Hospital Coor.	Alert	1	
	Public Serv. Liaison	Alert	1	
	Rad. Health Com.	Alert	3	
	Rad. Health Coor.	Alert	2	
RAP Team Liaison	Alert	1		
EWDF	Decon. Leader	Alert	1	
	Dos. Rec. Kpr	Alert	2	
	Mon./Decon. Pers.	Alert	12	
RECEPTION CENTER	Reception Center Supv.	Alert	3	
	Decon. Leader	Alert	11	
	Dos. Recd. Kpr	Alert	8	
	Mon./Decon. Pers.	SA	201	
	Traffic Guides	SA	100	
EOF	Nuclear Engineer	Alert	1	

EVACUATION COORDINATOR  
EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

E. MANNING STATUS

<u>FACILITY</u>	<u>TITLE</u>	<u>RESPONSE LEVEL</u>	<u>NUMBER REQ.</u>	<u>TIME NUMBER PRESENT</u>	<u>TIME NUMBER PRESENT</u>	<u>TIME NUMBER PRESENT</u>	<u>TIME NUMBER PRESENT</u>	<u>TIME NUMBER PRESENT</u>
EOC	Bus Coordinator	Alert	2	_____	_____	_____	_____	_____
	Communicator	Alert	5	_____	_____	_____	_____	_____
	Evac. Route Coor.	Alert	1	_____	_____	_____	_____	_____
	Health Fac. Coor.	Alert	1	_____	_____	_____	_____	_____
	Home Coordinator	Alert	1	_____	_____	_____	_____	_____
	Priv. School Coor.	Alert	1	_____	_____	_____	_____	_____
	Pub. School Coor.	Alert	1	_____	_____	_____	_____	_____
	Road Log. Coor.	Alert	1	_____	_____	_____	_____	_____
	Spec. Fac. Evac. Co.	Alert	1	_____	_____	_____	_____	_____
	Traf. Control Coor.	Alert	1	_____	_____	_____	_____	_____
	Traf. Cont. Pt. Coor.	Alert	1	_____	_____	_____	_____	_____
	Tran. Support Coor.	Alert	1	_____	_____	_____	_____	_____
	Traffic Engineer	Alert	1	_____	_____	_____	_____	_____
PORT JEFF.	Asst. Staging Area Coor.	Alert	1	_____	_____	_____	_____	_____
	Bus Dispatcher	Alert	1	_____	_____	_____	_____	_____
	Communication Tech.	Alert	1	_____	_____	_____	_____	_____
	Dos. Record Kpr.	Alert	5	_____	_____	_____	_____	_____
	Lead Traf. Guide	Alert	4	_____	_____	_____	_____	_____
	Road Crew	Alert	14	_____	_____	_____	_____	_____
	Rte. Alert Driver	Alert	20	_____	_____	_____	_____	_____
	Security	Alert	5	_____	_____	_____	_____	_____
	Stag. Area Coor.	Alert	1	_____	_____	_____	_____	_____
	Stag. Ar. Spt. Staff	Alert	15	_____	_____	_____	_____	_____
	Transfer Pt. Coor.	Alert	7	_____	_____	_____	_____	_____
	Bus Drivers	SA	108	_____	_____	_____	_____	_____
	Evac. Rte. Sptr.	SA	3	_____	_____	_____	_____	_____
Traffic Guide	SA	72	_____	_____	_____	_____	_____	

EVACUATION COORDINATOR  
EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

E. MANNING STATUS

FACILITY	TITLE	RESPONSE LEVEL	NUMBER REQ.	TIME NUMBER PRESENT	TIME NUMBER PRESENT	TIME NUMBER PRESENT	TIME NUMBER PRESENT	TIME NUMBER PRESENT
PATCHOGUE	Asst. Staging Area Coord.	Alert	1					
	bus Dispatcher	Alert	2					
	Communication Tech.	Alert	1					
	Dos. Record Kpr.	Alert	5					
	Lead Traf. Guide	Alert	4					
	Road Crew	Alert	14					
	Rte. Alert Driver	Alert	20					
	Security	Alert	5					
	Stag. Area Coord.	Alert	1					
	Stag. Ar. Spt. Staff	Alert	15					
	Transfer Pt. Coord.	Alert	8					
	Security	Alert	5					
	Bus Drivers	SA	165					
Evac. Rte. Sptr.	SA	4						
Traffic Guide	SA	41						
RIVERHEAD	Asst. Staging Area Coord.	Alert	1					
	Bus Dispatcher	Alert	1					
	Communication Tech.	Alert	1					
	Dos. Record Kpr.	Alert	6					
	Lead Traffic Guide	Alert	4					
	Road Crew	Alert	10					
	Rte. Alert Driver	Alert	20					
	Stag. Area Coord.	Alert	1					
	Stag. Area Spt. Staff	Alert	15					
	Security	Alert	5					
Transfer Pt. Coord.	Alert	9						
Bus Driver	SA	100						
Evac. Rte. Sptr.	SA	2						
Traffic Guide	SA	52						
GARDEH CITY	School Relo. Ctr. Spvr.	NA	2					
	School Relo. Ctr. Staff	NA	10					



COORDINATOR OF PUBLIC INFORMATION  
EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

B. ALERT - Pager Indicates 2222

**CAUTION**

IN THE UNLIKELY EVENT THAT, PRIOR TO ACTIVATION OF THE EOC, PROTECTIVE ACTIONS NEED TO BE RECOMMENDED, THE EBS MAY BE IMMEDIATELY ACTIVATED IN ACCORDANCE WITH OPIP 3.3.4 AND 3.8.2.

	<u>Time/Date</u>	<u>Initials</u>	
B1.	___ / ___	_____	Upon notification, call the LERO Automated Verification System and indicate your verification number. If the situation requires a protective action recommendation, you will be contacted by the Director of Local Response. Implement OPIP 3.3.4, Prompt Notification System Activation and OPIP 3.8.2, Emergency Broadcast System Activation.  NOTES: _____ _____ _____
B2.	___ / ___	_____	Report to the EOC and proceed to implement Attachment 7 of OPIP 4.1.1, EOC Activation.  NOTES: _____ _____ _____
B3.	___ / ___	_____	Ensure that adequate public information staff has arrived. Meet with the Manager of Local Response and inform him of personnel status and discuss implementation of procedures.  NOTES: _____ _____ _____

COORDINATOR OF PUBLIC INFORMATION  
EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

	<u>Time/Date</u>	<u>Initials</u>	
B4.	<u>      /      </u>	<u>      </u>	Establish contact with the LILCO Emergency Communications Director at the EOF and the LERO Spokesperson in the ENC.

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COORDINATOR OF PUBLIC INFORMATION  
EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

C. SITE AREA AND GENERAL EMERGENCY - pager indicates 3333 or 4444

CAUTION

IN THE UNLIKELY EVENT THAT, PRIOR TO ACTIVATION OF THE EOC, PROTECTIVE ACTIONS NEED TO BE RECOMMENDED, THE EBS MAY BE IMMEDIATELY ACTIVATED IN ACCORDANCE WITH OPIP 3.3.4 AND 3.8.2.

	<u>Time/Date</u>	<u>Initials</u>	
C1.	_____ / _____	_____	Upon notification, call the LERO Automated Verification System and indicate your verification number. If the situation requires a protective action recommendation, you will be contacted by the Director of Local Response. Implement OPIP 3.3.4, Prompt Notification System Activation and OPIP 3.8.2, Emergency Broadcast System Activation.

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

LEAD COMMUNICATOR

EMERGENCY RESPONSE ACTION CHECKLIST  
(continued)

B. ALERT (continued)

	<u>Time/Date</u>	<u>Initials</u>	
B10.	___ / ___	_____	For emergencies of extended duration, ensure adequate LERO staffing of shift changes. (OPIP 3.3.3)
			NOTES: _____ _____ _____
B11.	___ / ___	_____	When the emergency has ended or de-escalation has been declared, implement appropriate actions listed in Attachment 8, De-escalation of Response Checklist. When the EOC is to be deactivated, ensure removal and storage of all communications equipment.
			NOTES: _____ _____ _____
B12.	___ / ___	_____	If difficulty is encountered in contacting Nassau County or New York State via commercial line, recommend that either Suffolk County or DOE relay messages via NAWAS.

RECOVERY, REENTRY, INGESTION PATHWAY,  
GENERAL DE-ESCALATION OF RESPONSE ACTION CHECKLIST

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Time/Date    Initials

Recovery

1.      /      \_\_\_\_\_    Assure that the prerequisites are met for the formation of the Recovery Action Committee per OPIP 3.10.1, Section 4.0:
  - o    PARs have been implemented;
  - o    SNPS site conditions declared stable and safe
  - o    No further offsite releases having offsite consequences are expected;
  - o    Radiological conditions in the affected area are stabilized.
  
2.      /      \_\_\_\_\_    Direct the formation of the Recovery Action Committee per OPIP 3.10.1, to be composed of positions and organizations identified in Section 5.1.
  
3.      /      \_\_\_\_\_    Assure that initial Recovery Action Committee tasks are assigned per OPIP 3.10.1, Section 5.2.
  
4.      /      \_\_\_\_\_    Assess needs for continued manning of LERO facilities, i.e., EOC, Staging Areas, Reception Centers, EWDF, LERO Family Relocation Center, ENC.
  
5.      /      \_\_\_\_\_    In coordination with Suffolk County Police, assure that appropriate access control is in effect around all evacuated zones. Access control points should be established in locations where there is no radiation hazard.

RECOVERY, REENTRY, INGESTION PATHWAY,  
GENERAL DE-ESCALATION OF RESPONSE ACTION CHECKLIST  
(continued)

- |     | <u>Time/Date</u> | <u>Initials</u> |   |
|-----|------------------|-----------------|---|
| 6.  | <u>  /  </u>     | <u>      </u>   | Consult with Health Services Coordinator to verify that any sheltering recommendations for general population and special populations can be or have been terminated. Assure EBS message contains this advisory.  |
| 7.  | <u>  /  </u>     | <u>      </u>   | Initiate ingestion pathway and reentry dose assessment evaluations and environmental monitoring per OPIP 3.10.1, Section 5.2.   |
| 8.  | <u>  /  </u>     | <u>      </u>   | Identify any additional zones within the 10-mile EPZ, or areas outside the EPZ that may require relocation of populations based upon long-term exposures to ground contamination (OPIP 3.10.1).   |
| 9.  | <u>  /  </u>     | <u>      </u>   | Assess security needs at LERO facilities (e.g., secure areas where contaminated vehicles, personal effects are stored).   |
| 10. | <u>  /  </u>     | <u>      </u>   | Direct Health Services Coordinator to provide radiological contamination status of all LERO facilities, including School Relocation Centers and Reception Hospitals. Identify measures required for securing and clean-up of contaminated facilities, equipment and disposal of radioactive wastes.   |
| 11. | <u>  /  </u>     | <u>      </u>   | If continued ingestion of KI is appropriate, ensure LERO field personnel are notified of where they should report. Assure that adequate supplies of dosimetry and potassium iodide (KI) are available to personnel on a continuing basis, as needed. This includes re-issuance of KI to LERO workers and dosimetry required for temporary re-entry cases. |

RECOVERY, REENTRY, INGESTION PATHWAY,  
GENERAL DE-ESCALATION OF RESPONSE ACTION CHECKLIST  
(continued)

- | <u>Time/Date</u>  | <u>Initials</u> |   |
|-------------------|-----------------|---|
| 12.    /    _____ | _____           | Direct the Health Services Coordinator to assure that appropriate follow-up is conducted of all individuals who were determined to be contaminated as a result of the SNPS release.   |
| 13.    /    _____ | _____           | Direct the Radiation Health Coordinator and Evacuation Coordinator to begin preliminary evaluation of Total Population Dose per OPIP 3.10.2.  |
| 14.    /    _____ | _____           | If necessary, have LILCO's Claims Department provide a public information statement concerning policy and procedures for reimbursement of the public.   |
| <u>Reentry</u>    |                 |   |
| 1.    /    _____  | _____           | Assure that the Radiation Health Coordinator has initiated surveys of the affected areas per OPIP 3.10.1, Section 5.3.2 including: <ul style="list-style-type: none"><li>o Air monitoring (and plume radiation monitoring if small release is continuing);</li><li>o Ground surveys to assess direct radiation from deposition.</li></ul> |
| 2.    /    _____  | _____           | Identify zones for possible reentry based upon dose guidelines provided in OPIP 3.10.1, Section 5.3.2 (i.e., 500 mrem per year to whole body or equivalent to any organ). These are consistent with NYS Plan.   |
| 3.    /    _____  | _____           | Identify zones which do not meet above dose guidelines, and for which access control must be maintained.  |

RECOVERY, REENTRY, INGESTION PATHWAY,  
GENERAL DE-ESCALATION OF RESPONSE ACTION CHECKLIST  
(continued)

- | <u>Time/Date</u> | <u>Initials</u> |  |
|------------------|-----------------|--|
| 4.     /         | _____           | Direct Health Services Coordinator to initiate assessment of options available for zones which cannot be re-entered (e.g., time required for radioactive decay of contamination, decontamination alternatives, etc).   |
| 5.     /         | _____           | The Manager of Local Response will review the status of all preparatory activities for reentry, including: <ul style="list-style-type: none"><li>o Numbers of general population and special populations that have been evacuated;</li><li>o Bus, ambulance and ambulette transportation needs for general and special populations;</li><li>o Congregate Care Center logistics;</li><li>o Availability and readiness of police security, electricity, gas, drinking water, food suppliers, fire protection, sanitation services, emergency medical services and other essential public services.</li><li>o Traffic control;</li><li>o Continued public information and EBS support;</li><li>o Coordinate reentry activities with the Red Cross and other county, state and Federal agencies as required.</li></ul> |



RECOVERY, REENTRY, INGESTION PATHWAY,  
GENERAL DE-ESCALATION OF RESPONSE ACTION CHECKLIST  
(continued)

- | <u>Time/Date</u> | <u>Initials</u> |  |
|------------------|-----------------|--|
| 6.    /          | _____           | Assure that appropriate access control is maintained for areas restricted from permanent reentry.  |
| 7.    /          | _____           | Direct temporary reentry requests to the Health Services Coordinator per OPIP 3.10.1, Section 5.7. |
| 8.    /          | _____           | Issue appropriate messages to the public via EBS and press releases.                               |

Ingestion Pathway

- |         |       |   |
|---------|-------|---|
| 1.    / | _____ | Request preliminary recommendations from the Radiation Health Coordinator whether to modify public advisories regarding ingestion pathways of concern (NOTE: Public may have been already advised to place milk animals on stored feed.)  |
| 2.    / | _____ | Perform ingestion pathway notifications to NYS, State of Connecticut, Westchester, Putnam, Queens, Nassau and Suffolk Counties per OPIP 3.6.6, Section 5.1.3.6.   |
| 3.    / | _____ | Have appropriate EBS messages and press releases prepared for review and approval.  |
| 4.    / | _____ | Assist the Radiation Health Coordinator in the preparation of the INGESTION PATHWAY PROTECTIVE ACTIONS NOTIFICATION FORM, OPIP 3.6.6, Attachment 18. Advise on prepared statements regarding LILCO liability, contained in Attachment 18. |

RECOVERY, REENTRY, INGESTION PATHWAY,  
GENERAL DE-ESCALATION OF RESPONSE ACTION CHECKLIST  
(continued)

- | <u>Time/Date</u> | <u>Initials</u> |   |
|------------------|-----------------|---|
| 5.    /          | _____           | Coordinate with Red Cross, county, state and Federal agencies to assure adequate supplies of uncontaminated water and food for people and livestock affected by the event.  |
| 6.    /          | _____           | Assure that adequate communications are maintained among all organizations participating in the Ingestion Pathway response.   |
| 7.    /          | _____           | If areas requiring implementation of Ingestion Pathway Protective Actions are required, notify and coordinate with the NY or Connecticut Department of Health. Determine which agency will perform notifications. |
| 8.    /          | _____           | Request that the NY or Connecticut Department of Health print and issue ingestion pathway information to all farms, food processors and food distributors in potentially affected areas.                          |

General Deescalation

- |         |       |  |
|---------|-------|--|
| 1.    / | _____ | Communicate de-escalating emergency status to functional coordinators and emergency workers on all levels. |
|---------|-------|--|

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RECOVERY, REENTRY, INGESTION PATHWAY,  
GENERAL DE-ESCALATION OF RESPONSE ACTION CHECKLIST  
(continued)

- |    | <u>Time/Date</u> | <u>Initials</u> |   |
|----|------------------|-----------------|---|
| 2. | ____ / ____      | _____           | Advise functional coordinators to initiate specific operations phase-out. Monitor progress of activity reduction and keep the Manager of LERO informed with regard to operations status and job deactivation as they occur.<br><br>NOTES: _____<br>_____<br>_____ |
| 3. | ____ / ____      | _____           | Upon termination of the emergency, direct deactivation of EOC and all other operations under your jurisdiction.<br><br>NOTES: _____<br>_____<br>_____   |
| 4. | ____ / ____      | _____           | Request that each functional coordinator under your jurisdiction submit a summary report of all his emergency operations.<br><br>NOTES: _____<br>_____<br>_____   |

RECOVERY, REENTRY, INGESTION PATHWAY,  
GENERAL DE-ESCALATION OF RESPONSE ACTION CHECKLIST  
(continued)

- |    | <u>Time/Date</u> | <u>Initials</u> |   |
|----|------------------|-----------------|---|
| 5. | ___/___          | _____           | Instruct all functional coordinators under your jurisdiction to assemble, document, and permanently file all records generated by the emergency incident.<br><br>NOTES: _____<br>_____<br>_____ |
| 6. | ___/___          | _____           | Prepare a summary report of all your jurisdiction activities and submit it to the Manager of Local Response.<br><br>NOTES: _____<br>_____<br>_____  |
| 7. | ___/___          | _____           | Instruct all functional coordinators under your jurisdiction to assemble, inventory and store all equipment.<br><br>NOTES: _____<br>_____<br>_____  |

# DRAFT

OPIP 3.1.1  
Page 85 of 90  
Attachment 10  
Page 1 of 5

## SUFFOLK COUNTY INTERFACE PROCEDURE

1. The Director of Local Response will contact the Suffolk County Executive at 360-4000 (working hours) or 345-6410 (off hours).<sup>\*</sup> If calling 345-6410, inform the police officer on duty who you are and that there is an emergency at Shoreham. Request that the Suffolk County Executive call you back immediately at your phone. Give the duty officer the phone number where you may be reached.
  2. For an Unusual Event Classification:
    - A. Inform the Suffolk County Executive of the incident at Shoreham, but tell him that it is not necessary to notify the public or take any emergency action at this time.
    - B. Ask that he remain near a telephone. Tell him that he will be informed promptly of any change in the emergency classification.
  3. For an Alert or higher classification:
    - A. Advise the Suffolk County Executive of the status of the emergency. Briefly explain the emergency classification system as established by the NRC and read him the description of the applicable Emergency Classification Level (ECL).

Tell the Suffolk County Executive that consistent with N.Y. Exec. Law Art. 2-B, LERO is placing its personnel and resources at the County's direction to assist in implementing the emergency response as set out in the offsite utility plan.
    - B. At the Alert level, if no Emergency Broadcast System Message is required at this time, proceed to step 3.F.<sup>o</sup> of this procedure.
- <sup>\*</sup> If unsuccessful contacting the Police Duty Officer, call 911 if in Suffolk County. If unable to reach the Suffolk County Executive or his designee in a reasonable amount of time, implement this interface with the Governor or his designee. If contacting the Governor of N.Y. State go through the State Emergency Management Office (518-457-2200).

SUFFOLK COUNTY INTERFACE PROCEDURE  
(continued)

- C. Explain that conditions at the plant, and meteorological considerations such as wind speed and direction, indicate that certain measures should be implemented. Describe the measures that need to be implemented, i.e.,

PRECAUTIONARY ACTIONS

- Notifying the public of the emergency,
- Putting milk animals within two miles on stored feed.
- Contacting local schools and advising cancellation or early dismissal,

PROTECTIVE ACTIONS

- Sheltering (specify zones),
- Evacuation (specify zones) and evacuation of all EPZ schools in session.
- Putting milk animals within 10 miles on stored feed.

NOTE: A description of the evacuation keyholes are available in Attachment 5 of OPIP 3.8.2.

- D. Inform the Suffolk County Executive that the following items are needed to notify the public.
1. WCBS - EBS authorization code
  2. Phone number for WCBS
  3. Approval to activate the Prompt Notification System (Sirens)
  4. Approval to broadcast the EBS message containing the recommendation

In the event of a problem or delay in accomplishing public notification through the Suffolk County Executive or his designee, using best judgment in light of the emergency situation and other relevant information, take one or more of the following backup actions as necessary:

# DRAFT

OPIP 3.1.1  
Page 86a of 90  
Attachment 10  
Page 2a of 5

## SUFFOLK COUNTY INTERFACE PROCEDURE (continued)

- Seek to obtain the authentication code for WCBS from the State Emergency Management Office.
- Contact WCBS and request that they authenticate through return phone call. The 24-hour newsroom phone number for WCBS is (212) 975-2127.

NOTE: If the emergency classification is a Site Area Emergency or higher, also request that the Suffolk County Police begin to mobilize at least 165 uniformed officers in case they are needed for traffic control. Tell him that you will be calling back with additional information and that in the meantime the police should begin to report to police headquarters in Yaphank.

- E. Immediately upon completing step D, above:
1. Ask the Suffolk County Executive to stand by while you initiate activation of the siren system and the EBS. Give him your phone number. End the call.
  2. Implement OPIP 3.3.4.

## SUFFOLK COUNTY INTERFACE PROCEDURE

(Continued)

### F. After completing step E, above:

1. Call the Suffolk County Executive back, if he has not already left for the LERO EOC.
2. Over the phone or at the LERO EOC, provide the County Executive with the following information:
  - a. Notify him that LERO will be sending a liaison to police headquarters. Explain that the liaison will provide the police with the locations and specific traffic control strategies for each of LILCO's 130 TCPs, requiring 165 officers.
  - b. Inform him that LERO will also be dispatching its own Traffic Guides to the TCPs to provide such equipment as traffic cones, flares, and flashing lights and to otherwise assist the police as necessary. Assure him that the Traffic Guides will monitor the police officers' possible exposure using the Traffic Guides' own dosimetry.

Important: Advise the Suffolk County Executive to give LERO Traffic Guides permission to direct traffic and implement traffic strategies before the police arrive.

- c. Inform him that LERO has the capability to remove roadway impediments and dispense fuel to evacuating motorists using its own vehicles and trained emergency workers. Explain that LERO is (or will be) mobilizing these vehicles and that they will be prepositioned in the field.

Important: Advise the Suffolk County Executive to give LERO Road Crews permission to remove impediments and dispense fuel.



## SUFFOLK COUNTY INTERFACE PROCEDURE

(Continued)

- G. Advise the Suffolk County Executive that he, or his designated representative, should go to the LERO EOC in Brentwood to better coordinate the emergency response, if he has not already done so.
1. Inform the Suffolk County Executive that the State of New York has already been notified of the emergency. Tell him that at the LERO EOC he will be able to communicate with and get advice from the State Department of Health in Albany.
  2. Explain that the onsite authorities and DOE RAP monitoring teams have been instructed to direct information about plant status and radiological conditions in the field to the LERO EOC.
  3. Give the Suffolk County Executive your mobile phone number, if you have not already done so, so that he will be able to contact you if necessary before he or his representative arrives at the LERO EOC.
- H. Tell the Suffolk County Executive that there are telephones and working space at the LERO EOC for County officials. Suggest that the following Suffolk County officials also come to the LERO EOC to better coordinate the emergency response.
1. The Commissioner of the Department of Fire, Rescue, and Emergency Services (or a designated representative),
  2. The Commissioner of the Department of Health Services (or a designated representative),
  3. The Commissioner of Police (or a designated representative). Note: The Commissioner of Police should be advised to bring a portable police radio with him to the LERO EOC in order to communicate with police headquarters, and
  4. Any other official the Suffolk County Executive feels would be helpful to him in managing the emergency response.
  5. In addition, recommend that the County send a public information representative to the Emergency News Center in Central Islip.

**PART I • General Information** INSTRUCTIONS: Circle or fill-in information as appropriate

1 Message transmitted at: \_\_\_\_\_  
DATE \_\_\_\_\_ TIME \_\_\_\_\_ VIA \_\_\_\_\_

2 Facility providing information: \_\_\_\_\_  
G SHOREHAM  
H OTHER \_\_\_\_\_

3 Reported by: \_\_\_\_\_  
NAME \_\_\_\_\_ TITLE \_\_\_\_\_

4 Reported from: \_\_\_\_\_  
A CONTROL ROOM B TSC C EOF D OTHER \_\_\_\_\_

5 This \_\_\_\_\_  
A IS AN EXERCISE B IS NOT AN EXERCISE

6 Event Classification \_\_\_\_\_  
A UNUSUAL EVENT C SITE AREA EMERGENCY E TRANSPORTATION INCIDENT G OTHER \_\_\_\_\_  
B ALERT D GENERAL EMERGENCY F EMERGENCY TERMINATED

7 \_\_\_\_\_  
A THIS EMERGENCY CLASSIFICATION DECLARED AT DATE \_\_\_\_\_ TIME \_\_\_\_\_  
B THIS IS AN INFORMATIONAL NOTIFICATION ONLY. THIS EVENT DOES NOT CONSTITUTE ONE OF THE FOUR EMERGENCY CLASSIFICATIONS

8 Brief event description \_\_\_\_\_

9 Plant status/prognosis is \_\_\_\_\_  
A STABLE B IMPROVING C DEGRADING D UNKNOWN

10 This event involves \_\_\_\_\_  
A NO ABNORMAL RELEASE OF RADIOACTIVITY C A RELEASE OF RADIOACTIVITY TO A BODY OF WATER  
B AN ATMOSPHERIC RELEASE OF RADIOACTIVITY D A GROUND SPILL RELEASE OF RADIOACTIVITY

11 The release is \_\_\_\_\_  
A NOT APPLICABLE B CONTINUING C TERMINATED D INTERMITTENT

12 Protective actions \_\_\_\_\_  
A THERE IS NO NEED FOR PROTECTIVE ACTIONS OUTSIDE THE SITE BOUNDARY  
B NEED FOR PROTECTIVE ACTION IS UNDER EVALUATION  
C SHELTERING RECOMMENDED IN THE FOLLOWING ZONES:  
A B C D E F G H I J K L M N O P Q R S  
D EVACUATION RECOMMENDED IN THE FOLLOWING ZONES:  
A B C D E F G H I J K L M N O P Q R S

13 Basis for protective action recommendations \_\_\_\_\_  
A PLANT CONDITIONS B FIELD MEASUREMENTS C PROJECTED OFF-SITE DOSES

14 Wind speed \_\_\_\_\_  
MILESPER HOUR OR \_\_\_\_\_ METERS/SECOND

15 Wind direction \_\_\_\_\_  
from \_\_\_\_\_ DEGREES

16 Stability class \_\_\_\_\_  
(RADIOLOGICAL TO G BROOKHAVEN I/IV OR STABLE UNSTABLE NEUTRAL)

17 Ambient temperature \_\_\_\_\_  
°F

18 General weather conditions \_\_\_\_\_  
A CLEAR B CLOUDY C RAIN D SNOW

MESSAGE RECEIVED BY \_\_\_\_\_

(SAME AS)

COPY 3.3.1  
Page 8 of 10  
Attachment 1  
Page 2 of 4

New York State Radiological Emergency Data Form

**PART II • Radiological Assessment Data**

19 Message transmitted at \_\_\_\_\_ Based on information available at \_\_\_\_\_  
DATE \_\_\_\_\_ TIME \_\_\_\_\_ FROM \_\_\_\_\_ TIME \_\_\_\_\_

20 General release information  
A RELEASE STARTED AT DATE \_\_\_\_\_ TIME \_\_\_\_\_ E WIND SPEED \_\_\_\_\_ MPH or \_\_\_\_\_ M SEC  
B PROJECTED DURATION OF RELEASE \_\_\_\_\_ F WIND DIRECTION (from) \_\_\_\_\_ DEGREES  
C TIME OF TERMINATION OF RELEASE \_\_\_\_\_ G STABILITY CLASS \_\_\_\_\_ (PASQUILL A-G  
BROOKHAVEN IVV OR STABLE UNSTABLE OR NEUTRAL)  
D REACTOR SHUTDOWN DATE \_\_\_\_\_ TIME \_\_\_\_\_

21 Atmospheric release information  
A EFFECTIVE RELEASE HEIGHT \_\_\_\_\_ FT D IODINE RELEASE RATE \_\_\_\_\_ C/SEC  
B IODINE/NOBLE GAS RATIO \_\_\_\_\_ E NOBLE GAS RELEASE RATE \_\_\_\_\_ C/SEC  
C GROSS RELEASE RATE \_\_\_\_\_ C/SEC F PARTICULATE ACTIVITY \_\_\_\_\_ C/SEC

22 Waterborne release or surface spill information  
A VOLUME OF RELEASE \_\_\_\_\_ GALLONS C RADIONUCLIDES IN RELEASE (in  $\mu\text{Ci/ml}$ ) \_\_\_\_\_  
B CONCENTRATION (gross) \_\_\_\_\_  $\mu\text{Ci/ml}$  D TOTAL ACTIVITY RELEASED \_\_\_\_\_ C

23 Dose/dose rate calculations  
DATA IS BASED ON (circle one) A INPLANT MEASUREMENTS B FIELD MEASUREMENTS C ASSUMED SOURCE TERM  
TABLE BELOW APPLIES TO (circle one) A ATMOSPHERIC RELEASES B WATERBORNE RELEASES

DISTANCE	X <sub>u</sub> /Q	DOSE RATES		INTEGRATED DOSE OVER THE COURSE OF THE ACCIDENT	
		WHOLE BODY REM/HOUR	CHILD'S THYROID REM/HOUR *	WHOLE BODY REM	CHILD'S THYROID REM
SITE BOUNDARY					
2 MILES					
5 MILES					
10 MILES					
_____ MILES					

24 Field measurement of dose rates or surface contamination (deposition)

MILE/SECTOR OR MILES/DEGREES	LOCATION OR SAMPLING POINT	TIME OF MEASUREMENT	DOSE RATE (X <sub>u</sub> /Q) OR CONTAMINATION (C/M)

REMARKS \*X<sub>u</sub>/Q are for whole body dose rates and based on a "finite cloud" model.  
Child thyroid dose rates are based on a "semi-infinite cloud" model.

RADIOLOGICAL EMERGENCY DATA FORM  
PART III - DOSE ASSESSMENT INPUT SHEET

1. Current Date - MM:DD:YY 1. \_\_\_\_\_
2. Current Time - HH:MM 2. \_\_\_\_\_
3. Date of Accident - MM:DD:YY 3. \_\_\_\_\_
4. Time of Accident - HH:MM 4. \_\_\_\_\_
5. Windspeed at 150 foot level - MPH 5. \_\_\_\_\_
6. Windspeed at 33 foot level - MPH 6. \_\_\_\_\_
7. 150 foot direction (wind from) 7. \_\_\_\_\_
8. 33 foot direction (wind from) 8. \_\_\_\_\_
9. Delta temperature (°F) or Stability Class 9. \_\_\_\_\_
10. Temperature 33 foot (°F) 10. \_\_\_\_\_
11. RBSVS flow (CFM) 11. \_\_\_\_\_
12. PM22 Monitor Reading (cpm) 12. \_\_\_\_\_
13. PM134 Monitor Reading (uCi/cc) 13. \_\_\_\_\_
14. Station vent flow (CFM) 14. \_\_\_\_\_
15. PM21/PM42 Monitor Reading (cpm) 15. \_\_\_\_\_ / \_\_\_\_\_
16. PM126 Monitor Reading (uCi/cc) 16. \_\_\_\_\_
17. Release Duration (hours) 17. \_\_\_\_\_
18. Date of release initiation - MM:DD:YY 18. \_\_\_\_\_
19. Time of release initiation - HH:MM 19. \_\_\_\_\_
20. Core or Fuel Damage (circle one) 20. Yes No
21. Containment Failure (circle one)  
o No      o Likely, but not      o Yes, or within  
            within 3 hours              3 hours
22. Shoreham Emergency Response Actions underway.  
\_\_\_\_\_  
\_\_\_\_\_
23. Requested support by Shoreham from Offsite Org.

Organization

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Support Requested

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

make assignments based upon available personnel. Assign available staff to call out non-reporting LERO workers for understaffed positions.

- 5.3.7 Patchogue Staging Area Coordinator, assign staff member to check off names of personnel reporting to the Patchogue Staging Area on the Patchogue Staging Area Roster, Attachment 7. Compare staffing as determined by roster, and begin to make assignments based upon available personnel. Assign available staff to call out non-reporting LERO workers for understaffed positions.
- 5.3.8 LERO Family Tracking Coordinator, check off the names of personnel reporting to the LERO Family Tracking Center on the LERO Family Tracking Roster, Attachment 8. Compare staffing as determined by the roster and begin to make arrangements based upon available personnel. Assign available staff to call out non-reporting LERO workers for understaffed positions.
- 5.3.9 LERO Relocation Center Manager, check off the names of personnel reporting to the LERO Relocation Center on the LERO Relocation Center Roster, Attachment 9. Compare staffing as determined by the roster and begin to make assignments based upon available personnel. Assign available staff to call out non-reporting LERO workers for understaffed positions.
- 5.3.10 Reception Center Supervisor at the Reception Centers, check off the names of personnel reporting to the Reception Centers on the Reception Center Roster, Attachment 10. Compare staffing as determined by the roster and begin to make assignments based upon available personnel. Assign available staff to call out non-reporting LERO workers for understaffed positions.

#### 5.4 Shift Change - Guidelines

- 5.4.1 The Manager of Local Response has responsibility for deciding when to have a shift change.
- 5.4.2 The Lead Communicator will coordinate the shift change.

- 5.4.3 Personnel having 2 shift positions will establish 2 twelve hour alternating shifts. LERO's third backup shift will be used to provide alternates to fill in as needed.
- 5.4.4 Each individual in a two shift position should call out his/her own relief person. Alternates are listed on computer callout forms and on facility specific master lists kept at each facility. The EOC maintains a full LERO listing.
- 5.4.5 The lead coordinator at each facility will designate staggered report in times so that all personnel do not report in at once causing confusion.
- 5.4.6 If it is necessary to maintain a prolonged readiness of field personnel have the Support Services Coordinator arrange to have food service established at Staging Areas and Reception Centers. Have the Traffic and Transportation Groups rotate small groups of personnel back to the Staging Areas for food. Coordinate with the Staging Area Coordinator.

STANDBY AND REPORT CHART

S = Standby    R = Report to Duty  
 \* = Selected personnel on standby

	Unusual Event	Alert	Site Area & General Emergency
Director of Local Response	S		R
Emergency Preparedness Advisor (LILCO/Contr.)			R
Coordinator of Public Information	S		R
Public Information Support Staff			R
LERO Spokesperson			R
Manager of Local Response	S		R
Lead Communicator	S		R
RECS Communicator			R
Communications Repair Technicians			R
Health Services Coordinator	S		R
Emer. Medical/Public Svc. Coord.			R
Hospital Coordinator			R
Public Services Liaison			R
Ambulance Coordinator			R
Ambulance Personnel (Contractor)			R
Emerg. Med./Pub. Serv. Comm.			R
Radiation Health Coord. (LILCO/Contr.)			R
Nuclear Engineer (Contractor)			R
Dosimetry Coordinator			R
EOC Dosimetry Record Keeper			R
Emer. Worker Dos. Record Keepers			R
Staging Areas Dos. Record Keepers			R
Rec. Ctr. Dos. Record Keepers			R
Decontamination Coordinator			R
Reception Center Supervisor			R
Decontamination Leaders (Rec. Ctr.)			R
Rec. Ctr. Mon/Decon Prsnl.		S*	R
Decontamination Leader (Emer. Wkrs.)			R
Emer. Workers Mon/Decon. Prsnl.			R
Radiation Health Communicators			R
RAP Team Liaison (DOE)			R
RAP Team Captain (DOE)			R
Dose Assessment Function (DOE)			R
Environmental Survey Func. (DOE)			R
Survey Teams (DOE)			R



STANDBY AND REPORT CHART  
 (continued)

S = Standby      R = Report to Duty  
 \* = Selected personnel on standby

	Unusual Event	Alert	Site Area & General Emergency
Evacuation Coordinator	S		R
Staging Area Coordinators			R
Asst. Staging Area Coordinators			R
Staging Area Support Staff			R
Evacuation Support Communicators			R
Traffic Engineer			R
Traffic Control Coordinator			R
Traffic Control Point Coord.			R
Lead Traffic Guides			R
Traffic Guides		S*	R
Road Logistics Coordinator			R
Road Crews			R
Evacuation Route Coordinator			R
Evacuation Route Spotters			R
Special Facilities Evacuation Coord.			R
Public Schools Coordinator			R
Private Schools Coordinator			R
Health Facilities Coordinator			R
Home Coordinator			R
Route Alerting Drivers			R
School Relocation Center Super.			R
School Relocation Center Staff			R
Bus Drivers (School)			R
Transportation Support Coordinator			R
Bus Coordinators			R
Bus Dispatchers			R
Transfer Point Coordinators			R
Bus Drivers (Gen. Pop., Spec. Pop.)		S*	R
Support Services Coordinator	S		R



## 5.0 ACTIONS

### 5.1 System Activation

5.1.1 If the EOC is activated when the decision to activate the Prompt Notification System is made, the Director of Local Response will:

- a. Have the Coordinator of Public Information prepare an Emergency Broadcast System (EBS) message in accordance with OPIP 3.8.2.
- b. After the EBS message has been approved, have the Coordinator of Public Information contact the EBS radio station and transmit the message in accordance with OPIP 3.8.2.
- c. When the radio station is prepared to begin transmitting the EBS message, have the siren system activated using the encoder located at the Local EOC. Look at the cyclometer above the encoder to ensure transmission of activation signal.

5.1.2 In the event that, prior to the activation of the EOC, notification from the plant is an Alert, Site Area or General Emergency and the Decision to activate the Prompt Notification System is made, the following procedure will be used (see "Activation of the Prompt Notification System prior to EOC Activation" Diagram, Attachment 4):

- a. Director of Local Response.

After obtaining permission from a government official use the LEPO Notification List for Group Tone 1 to contact the on duty Coordinator of Public Information (CPI), decide on which message in OPIP 3.8.2 should be used and carefully relay your Protective Action Recommendations to the CPI. When you approve the message, direct the CPI to contact the EBS radio station and have them broadcast the full EBS message. (If the CPI

# DRAFT

OPIP 3.3.4  
Page 3 of 16

cannot be contacted, the Director or Manager of Local Response will implement step b.). After completing the call to the CPI, contact the Supervising Service Operator (SSO). Have the SSO contact the Emergency Director in the Shoreham Control Room to activate the sirens. If a radio is available, the sirens should be activated as soon as the EBS activation signal is heard on the radio. If no radio is available, the sirens should be activated immediately.

Also, have the SSO contact the U.S. Coast Guard via commercial telephone or Marine Band Radio and notify them of the protective action recommendation for Long Island Sound.

b. Coordinator of Public Information

Upon receiving call from the Director or Manager of Local Response, construct a full EBS message in accordance with OPIP 3.8.2. Ensure the Director approves the protective action recommendation to be broadcast.

Contact the EBS radio station over commercial telephone and activate the system in accordance with OPIP 3.8.2.

NOTE

A BACKUP ENCODER IS LOCATED AT THE BROOKHAVEN SUBSTATION.

## 5.2 System Verification

- 5.2.1 The Coordinator of Public Information at the EOC will verify siren activation the first time sirens are activated. Subsequent verifications are at the discretion of the CPI:
- a. Direct a staff member to verify the activation of EBS by monitoring a tone alert radio or a commercial radio located in the EOC.
  - b. Report the status of EBS to the Director of Local Response.

### NOTE

MARKETING EVALUATIONS HAS BEEN ISSUED A GROUP II, DIGITAL DISPLAY PAGER. UPON NOTIFICATION FROM THE COORDINATOR OF PUBLIC INFORMATION, BY PHONE OR PAGER, THAT THE SIRENS HAVE BEEN SOUNDED, THEY WILL INITIATE SIREN VERIFICATION. VERIFICATION OF ALL 89 SIRENS SHOULD TAKE APPROXIMATELY 90 MINUTES.

- c. Contact Marketing Evaluations Inc. and request them to verify activation of sirens. Ensure they have your phone number at the EOC to report siren status.
  - d. Note all non-activated sirens and report them to the Manager of Local Response.
- 5.2.2 The Manager of Local Response will:
- a. Upon notification of a siren failure(s), direct the Evacuation Coordinator to initiate route alerting, Section 5.3, for the areas covered by the non-activated siren(s).

## 5.3 Route Alerting

- 5.3.1 The Evacuation Coordinator will direct the Special Facilities Evacuation Coordinator to initiate route alerting.
- 5.3.2 The Special Facilities Evacuation Coordinator will:

## ROUTE ALERT DRIVERS PROCEDURE (continued)

- e. If the prerecorded message becomes inoperable, switch the Public Address System to microphone input and broadcast the following message. Read the message into the microphone and pause for 5 seconds before repeating.

### ROUTE ALERT DRIVERS MESSAGE

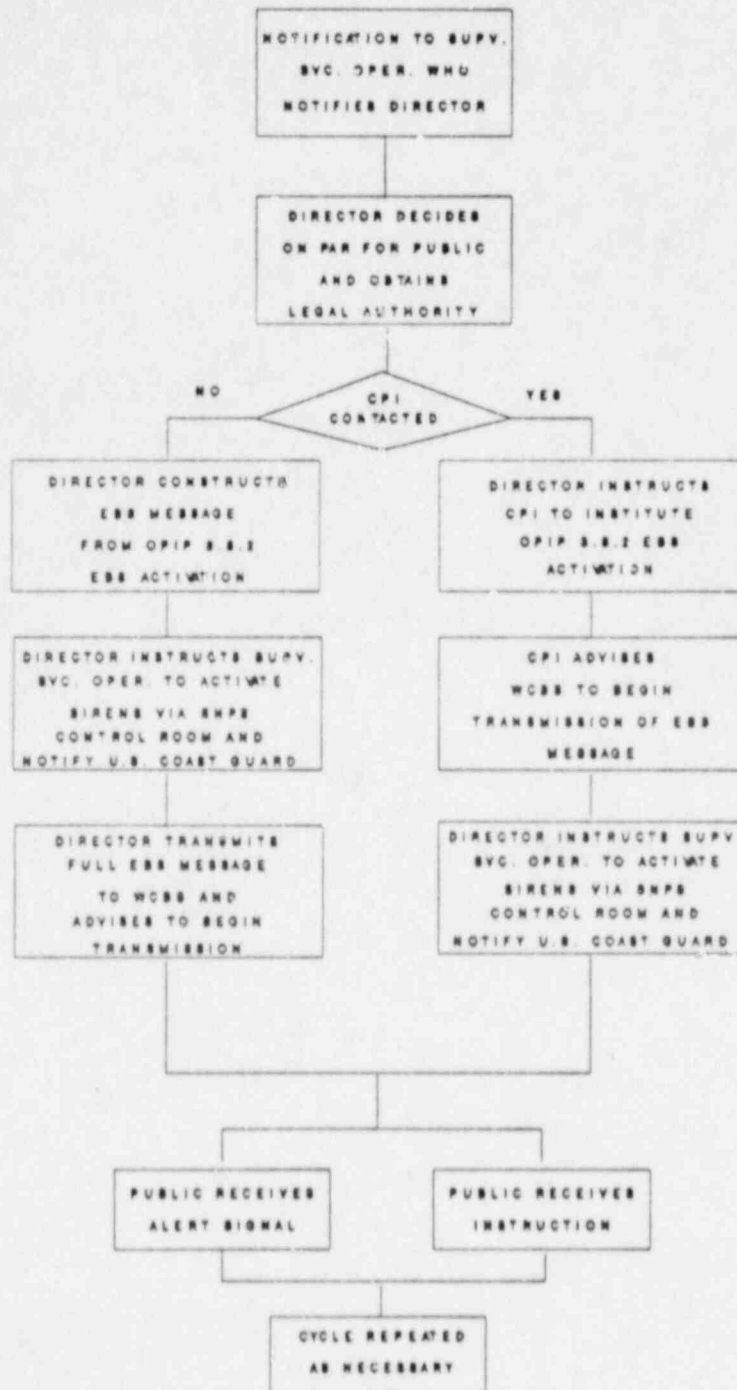
THERE IS AN EMERGENCY AT THE SHOREHAM NUCLEAR POWER STATION. TUNE YOUR RADIO TO THE EMERGENCY BROADCAST SYSTEM FOR OFFICIAL EMERGENCY INFORMATION.

8. When assigned by the Lead Traffic Guide to notify deaf individuals of the emergency, obtain from him the Deaf Notification Packet which includes resident deaf population listing, appropriate map(s), and message cards, then drive to the home of the deaf persons assigned. Upon arrival there, contact resident and deliver the message.
9. Listen to WCBS (880 AM) or other EBS radio station on your radio. If you hear that a General Emergency has been declared, swallow your KI tablet.
10. If readings go beyond the scale on the 0-200 mR dosimeter, inform the Lead Traffic Guide by telephone and read the 0-5 R dosimeter.
11. At a reading of 3.5 R (3500 mR), inform the Lead Traffic Guide of dosimeter readings and prepare to leave the area. If directed to leave the area or at a reading of 5 R, if higher radiation dose is not authorized, return to the Emergency Worker Decontamination Facility in Brentwood for monitoring and possible decontamination.
12. If you lose or break one of your direct reading dosimeters or TLD, inform the Lead Traffic Guide at the Staging Area.
13. Notify the Lead Traffic Guide by telephone when your assignment and/or route is complete. As instructed by the Lead Traffic Guide either:
  - a. Report directly back to your assigned Staging Area, or,
  - b. First report to the Emergency Worker Decontamination Facility in Brentwood for monitoring and possible decontamination before reporting back to your assigned Staging Area.

# DRAFT

OPIP 3.3.4  
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Attachment 4  
Page 1 of 1

## ACTIVATION OF THE PROMPT NOTIFICATION SYSTEM PRIOR TO EOC ACTIVATION



# DRAFT

OPIP 3.3.4  
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Attachment 8  
Page 1 of 1

## LEAD TRAFFIC GUIDE BRIEFING FORM

LEAD TRAFFIC GUIDES: Read the following section to Route Alert Drivers prior to dispatch.

- 1) Read your procedure which is in your packet. This procedure contains the information required for you to do your job.
- 2) Before leaving the staging area, ensure you have attended a dosimetry briefing and have obtained all needed equipment.
- 3) When you are dispatched proceed to your assigned area and begin performing your job duties as per procedure.
- 4) The latest information on the emergency situation is broadcast on WCBS 880 AM radio and other EBS radio stations. |
- 5) Upon completion of your assignment, call a Lead Traffic Guide using the phone number provided on the outside of your packet.
- 6) Do you have any questions?

READ THE FOLLOWING SECTION TO ROUTE ALERT DRIVERS UPON DISPATCH.

- 1) The current emergency classification level is: \_\_\_\_\_.
- 2) The wind direction is from the \_\_\_\_\_.
- 3) Ingest KI - Prior to leaving staging area

or

- When a General Emergency is declared over WCBS 880 AM or other EBS radio station. |

- 4) Report directly to your assigned area and begin implementing your procedures.

**PART I • General Information**

INSTRUCTIONS: Circle or fill-in information as appropriate

- 1 Message transmitted at: \_\_\_\_\_  
DATE \_\_\_\_\_ TIME \_\_\_\_\_ VIA \_\_\_\_\_
- 2 Facility providing information: \_\_\_\_\_  
C SHOREHAM  
H OTHER
- 3 Reported by: \_\_\_\_\_  
NAME \_\_\_\_\_ TITLE \_\_\_\_\_
- 4 Reported from: \_\_\_\_\_  
A CONTROL ROOM B TSC C EOF D OTHER
- 5 This: \_\_\_\_\_  
A IS AN EXERCISE B IS NOT AN EXERCISE
- 6 Event Classification: \_\_\_\_\_  
A UNUSUAL EVENT B ALERT C SITE AREA EMERGENCY D GENERAL EMERGENCY E TRANSPORTATION INCIDENT F EMERGENCY TERMINATED G OTHER
- 7 \_\_\_\_\_  
A THIS EMERGENCY CLASSIFICATION DECLARED AT DATE \_\_\_\_\_ TIME \_\_\_\_\_  
B THIS IS AN INFORMATIONAL NOTIFICATION ONLY THIS EVENT DOES NOT CONSTITUTE ONE OF THE FOUR EMERGENCY CLASSIFICATIONS
- 8 Brief event description \_\_\_\_\_

- 9 Plant status/prognosis is: \_\_\_\_\_  
A STABLE B IMPROVING C DEGRADING D UNKNOWN
- 10 This event involves: \_\_\_\_\_  
A NO ABNORMAL RELEASE OF RADIOACTIVITY C A RELEASE OF RADIOACTIVITY TO A BODY OF WATER  
B AN ATMOSPHERIC RELEASE OF RADIOACTIVITY D A GROUND SPILL RELEASE OF RADIOACTIVITY
- 11 The release is: \_\_\_\_\_  
A NOT APPLICABLE B CONTINUING C TERMINATED D INTERMITTENT
- 12 Protective actions: \_\_\_\_\_  
A THERE IS NO NEED FOR PROTECTIVE ACTIONS OUTSIDE THE SITE BOUNDARY  
B NEED FOR PROTECTIVE ACTION IS UNDER EVALUATION  
C SHELTERING RECOMMENDED IN THE FOLLOWING ZONES:  
A B C D E F G H I J K L M N O P Q R S  
D EVACUATION RECOMMENDED IN THE FOLLOWING ZONES:  
A B C D E F G H I J K L M N O P Q R S
- 13 Basis for protective action recommendations: \_\_\_\_\_  
A PLANT CONDITIONS B FIELD MEASUREMENTS C PROJECTED OFF-SITE DOSES
- 14 Wind speed \_\_\_\_\_ MILES/HOUR OR \_\_\_\_\_ METERS/SECOND
- 15 Wind direction \_\_\_\_\_ DEGREES  
from \_\_\_\_\_
- 16 Stability class \_\_\_\_\_ (PASQUILL A TO G BROOKHAVEN LN OR STABLE UNSTABLE NEUTRAL)
- 17 Ambient temperature \_\_\_\_\_ °F
- 18 General weather conditions: \_\_\_\_\_  
A CLEAR B CLOUDY C RAIN D SNOW

MESSAGE RECEIVED BY \_\_\_\_\_



5.3.5 Assist the Coordinator of Public Information, as necessary, throughout the course of the incident.

5.4 LERO Spokesperson

- 5.4.1 Upon declaration of an Alert, report directly to the ENC.
- 5.4.2 Establish contact with the Coordinator of Public Information at the EOC via dedicated line or commercial telephone.
- 5.4.3 Designate a staff member to be the LERO Rumor Control Coordinator and implement Section 5.6 of this procedure.
- 5.4.4 When LERO press releases arrive from the EOC, direct a staff member to distribute copies to utility, Rumor Control and Government Public Information Offices (PIO's). Record time of distribution in log book.
- 5.4.5 Direct a staff member to post a copy and distribute copies to media representatives.
- 5.4.6 Assign personnel to monitor media broadcasts for incorrect information using Media Monitor Checklist, Attachment 4.
- 5.4.7 Correct misinformation by:
  - a. Providing accurate information to LILCO Rumor Control personnel and answering questions regarding local response.
  - b. Use the Rumor Control Form, Attachment 2, to document rumors reported to the EOC. Direct personnel to contact source of misinformation (e.g., specific radio station, TV station) and provide corrected information.
- 5.4.8 Represent LERO at press conferences held at the Emergency News Center. Have public information support staff member bring in to you copies of newly issued press releases during press conferences.
- 5.4.9 Request CPI to provide additional staff as required.



5.5 Public Information Support Staff (ENC)

- 5.5.1 Report to the LERO Spokesperson and perform public information functions as directed.

5.6 LERO Rumor Control Coordinator

- 5.6.1 Upon designation as LERO Rumor Control Coordinator go to the LILCO rumor control room and identify yourself to the LILCO External Communications Coordinator. Review Attachment 3 (EPIP 4-4).
- 5.6.2 Have all offsite related rumors routed to you from the Rumor Control Administrative Staff.
- 5.6.3 Forward any questions that you cannot answer to the public information staff at the EOC. Record the time the request was made and follow-up as necessary to obtain prompt answers.
- 5.6.4 Provide responses to the LILCO Rumor Control Staff to be forwarded back to the initial caller.
- 5.6.5 Notify the EOC/LERO Spokesperson of any consistently repeating rumors.

6.0 REFERENCES

- 6.1 OPIP 3.8.2, Emergency Broadcast System Activation

7.0 ATTACHMENTS

1. Sample Press Releases
2. Rumor Control Form
3. EPIP 4-4, Rumor Control (SNPS Procedure)
4. Media Monitor Checklist

Following this page is Shoreham onsite  
procedure EPIP 4-4 Rumor Control (21 pages)

This material is provided for information only

EPC  
Approved: *Sam V. King*  
Manager NOSD: *L. J. Britt*  
Plant Manager: *W. Chappell*  
Effective Date: *5-16-88*  
TC: \_\_\_\_\_

FOR INFORMATION  
ONLY

### EPIP 4-4 RUMOR CONTROL

#### 1.0 PURPOSE

To provide Public Information personnel a method for handling rumors initiated during an incident at the Shoreham Nuclear Power Station (SNPS).

#### 2.0 RESPONSIBILITY

- 2.1 The Emergency News Manager (ENM) is responsible for coordination of the Rumor Control Program.
- 2.2 The External Communications Coordinator (ECC) is responsible for supervising the operational aspects of rumor control at the direction of the ENM. His duties will include:
  - a. Initiating and maintaining communications with the District Offices and Callboards.
  - b. Ensure speedy dissemination of all approved emergency information to the District Offices and Callboards.
  - c. Supervise and monitor the Rumor Control Administrative Staff and the External Communications Support Staff.
  - d. Ensure all rumor control forms are routed to the proper ENC personnel for drafting of responses.

- 2.3 The Public Information Coordinator (PIC) will supervise all Media Monitoring activities as directed by the ENM, to include:
  - a. Direct the Media Monitors to monitor TV, radio, newspapers and wire services for accuracy.
  - b. Advising the ENM and External Communications Coordinator on misinformation that the media has presented to the public.
  - c. Assist the Emergency News Manager in preparing corrective statements.
  - d. Assist the External Communications Coordinator in Rumor Control operations.
- 2.4 The Rumor Control Administrative Staff is responsible for transmitting LILCO and LERO press releases, EBS messages, and rumor control responses to the District Offices and Callboards via computer.
- 2.5 The External Communications Support Staff is responsible for:
  - a. Receiving, transcribing and logging all rumor information received from the Callboards and District Offices.
  - b. Requesting the External Communications Coordinator to route the rumors/questions to the appropriate representative to formulate a response.
  - c. Transmitting the response to the Callboard and District Office that initiated the request.
- 2.6 The District Office and Callboard Supervisors are responsible for all rumor control operations at their respective locations.
- 2.7 Media Monitors are responsible for:
  - a. Taping information transmitted by the media regarding the emergency at SNPS, as possible.
  - b. Informing the PIC when misinformation is being broadcast.

3.0 PRECAUTIONS

- 3.1 District Offices and Callboards will be mobilized upon an Alert or higher emergency classification or at the Notification of Unusual Event if the ENC activated.
- 3.2 All forms/documents must be retained for review and storage per ANSI N45.2.9.

4.0 PREREQUISITES

A Notification of Unusual Event, Alert, Site Area Emergency or General Emergency has been declared at the Shoreham Nuclear Power Station (SNPS).

F.0 ACTIONS

5.1 Emergency News Manager

- 5.1.1 Ensure that the External Communications Coordinator (ECC):
  - a. Has established contact with the District Offices and Customer Callboards.
  - b. Is supervising the transmission of press releases and all other approved information to the District Offices and Callboards.
- 5.1.2 Ensure that the PIC is supervising the Media Monitoring group.
- 5.1.3 Assist in determining the correct response to rumors/questions and help formulate replies.

5.2 External Communications Coordinator (ECC)

- 5.2.1 Upon arrival at the ENC, prepare the Rumor Control Area for activation.
- 5.2.2 When the Emergency Communications Director declares the ENC operational, supervise the operational aspects of rumor control as directed by the Emergency News Manager.
- 5.2.3 Ensure that all District Offices and Customer Callboards are notified that the ENC is operational and that the time of each call is documented on the Acknowledgement of External Communications form (Attachment 1).
- 5.2.4 Ensure that the Rumor Control Administrative Staff sends the computer test message and that the time of the test is logged onto the Acknowledgement of External Communications form (Attachment 1).
- 5.2.5 Ensure that the Rumor Control Administrative Staff receives all press releases and other approved information for transmission to the District Offices and Callboards and that all such transmissions are properly logged.

- 5.2.6 Ensure that the External Communications Support Staff properly logs all press releases and test message calls; incoming rumors/questions; assigns the rumor/questions I.D. numbers; and logs the time the responses are transmitted and acknowledged.

---

CAUTION

ALL NUCLEAR RELATED RUMORS MUST BE  
HANDLED BY THE ENM OR HIS DESIGNEE

---

- 5.2.7 Route rumors/questions to the proper individual(s) in the ENC who can best provide the answer.
- 5.3 Rumor Control Administrative Staff
- 5.3.1 Establish and verify CICS Production 2 computer communications with the District Offices and Callboards.
- 5.3.2 Transmit the release to the District Offices and Callboards.
- 5.4 External Communications Support Staff
- 5.4.1 Transmission Logs:
- a. As they are received from the ECC, log all press releases and other approved information onto the ENC External Communications Transmission Log (Attachment 2).
    1. Assign the release a number.
    2. Indicate the time you received the release for transmission.
    3. Describe:
      - a. The type of release (i.e., press release, EBS message, etc.)

b. The agency issuing the information (LILCO, LERO, New York State, Suffolk County, NRC, etc.).

4. Give a brief summary of the information.

- b. Route release to the Rumor Control Administrative Staff for transmission to the District Offices and Callboards.
- c. Record time the message was transmitted on the Acknowledgement of External Communications form (Attachment 1) and the ENC External Communications Transmission Log (Attachment 2).
- d. Record the time the release was acknowledged on the Acknowledgement of External Communications Form (Attachment 1) and the ENC External Communications Transmission Log (Attachment 2).
- e. Retain all copies for record purposes.

#### 5.4.2 Rumor Control/Phones

- a. Establish and verify telephone communications with the District Offices and Callboards.
- b. Upon receipt of a rumor/question, obtain a blank copy of the ENC Rumor Control Form (Attachment 3) and complete Part 1 of the form.
- c. Request a Rumor I.D. Number from the Log Keeper; record it on the ENC Rumor Control Form (Attachment 3) and relate the I.D. Number to the initiator of the call for future reference.
- d. Hand the Rumor Control Form to the Log Keeper to complete the log in process.
- e. Upon receipt from the Log Keeper of an answered Rumor Control Form, report the findings back to the District Office or Callboard that initiated the request.



- f. Record any remarks in Part 4 of the ENC Rumor Control Form (Attachment 3).
- g. Hand the completed Rumor Control Form to the Log Keeper to complete the log-out process and for record keeping purposes.

5.4.3 Rumor Control/Logs

- a. Issue Rumor Control I.D. numbers, as requested.
- b. Upon receiving a Rumor Control Form with Part I completed, complete the log-in process on the External Communications Rumor Log Form (Attachment 4).
  1. Indicate the time the rumor/question was received.
  2. Indicate the District Office or Callboard that called in the rumor/question.
  3. Give a brief description of the rumor/question.
- c. Hand the Rumor Control Form to the ECC for routing to the person in the ENC best able to answer the rumor/question.
- d. Upon receipt from the ECC of an answered Rumor Control Form, indicate on the External Communications Rumor Log Form (Attachment 4):
  1. the time the answer was received.
  2. whether LILCO or LERO answered the rumor/question.
  3. a brief description of the answer.
- e. Hand the answered form to one of the operators.
- f. Once the answer has been transmitted to the District Office or Callboard, indicate on the Rumor Log form the time the answer was sent.

- g. Retain all completed forms for recordkeeping purposes.

5.5 District Office/Callboard Personnel

---

CAUTION

DISTRICT OFFICE AND CALLBOARD PERSONNEL MUST BE CAUTIONED THAT ALL CALLS REGARDING THE EMERGENCY MUST BE HANDLED BY DESIGNATED PERSONNEL.

---

5.5.1 District Office/Callboard Operators, upon receipt of rumor or question:

- a. Obtain a blank copy of the District Office/Callboard Rumor Control Inquiry Form (Attachment 5).
- b. Complete Part 1 of the form.
- c. IF you have appropriate hard copy available, THEN
  1. Answer the rumor/question. Hard copy should include but not be limited to:
    - Copies of appropriate public information brochures.
    - Maps of the 10 mile EPZ showing evacuation and bus routes.
    - Copies of all press releases.
    - Copies of EBS messages.
    - Answers to previous questions.
  2. Indicate in Part 2 of the District Office/Callboard Rumor Control Inquiry Form what information you used to answer the rumor/question.
  3. Log a description of any remarks and note the time the answer was transmitted on Part 4 of the District Office/Callboard Rumor Control Inquiry Form.

4. Retain all completed forms for future reference and subsequent filing.
  - d. If you do not have appropriate hard copy to answer the rumor/question, **THEN** route the District Office/Callboard Rumor Control Inquiry Form to the District Office/Callboard Supervisor.
  - e. Upon receiving the District Office/Callboard Rumor Control Inquiry Form with answer from the ENC:
    1. Attempt to call back the initiator of the rumor/question and relay the response.
    2. Log a description of any remarks and note the time the answer was transmitted on Part 4 of the District Office/Callboard Rumor Control Inquiry Form.
    3. Retain all completed forms for future reference and subsequent filing.
- 5.2.2 District Office and Callboard Supervisors (or Designee)
- a. Coordinate and supervise rumor control activities in your offices.
  - b. As messages are received from the ENC, log them onto the District Office/Callboard Message Log (Attachment 6)
    1. Indicate the Message/View Number; Release Number; Time Received

---

**CAUTION**

**ENSURE YOU IDENTIFY THE AGENCY ISSUING  
THE RELEASE**

---

2. Give a brief description of the release/bulletin.
3. Indicate time the release was acknowledged and your initials.
- c. Ensure all operators receive copies of all transmitted messages.
- d. If an operator is unable to answer a rumor/question, **THEN**:
  1. Obtain the District Office/Callboard Rumor Control Inquiry Form for that rumor/question from the operator.
  2. Log the rumor/question on the District Office and Callboard Rumor Control Log (Attachment 7) by filling in the time the call was received, the name of the operator who received the call, and a brief description of the rumor/question.
  3. Call the rumor question to the External Communications Support Staff in the ENC.
  4. Obtain a rumor I.D. number for the rumor/question and log it on the Log form and the District Office/Callboard Rumor Control Inquiry Form.
  5. Upon call back from the ENC, transcribe response to the rumor/question on the appropriate District Office/Callboard Rumor Control Inquiry Form correlating I.D. numbers.
  6. Log the time the answer from the ENC was received and a brief description of the answer on the District Office/Callboard Rumor Control Log.
  7. Hand the complete District Office/Callboard Rumor Control Form to the appropriate operator for transmission of the response to the initiator.
3. Retain all paperwork for records purposes.

5.6 Public Information Coordinator (PIC)

- 5.6.1 Upon arrival at the ENC, prepare the Media Monitoring area for activation.
- 5.6.2 When the Emergency Communications Director declares the ENC operational, supervise the operational aspects of Media Monitoring as directed by the ENM.
- 5.6.3 Direct the Media Monitors to:
  - a. Monitor the TV, radio, newspapers and wire services for accuracy.
  - b. When possible, tape all incident reports.
  - c. Log all incident related broadcasts on a Media Monitor Checklist (Attachment 8).
  - d. Immediately report any misinformation observed on broadcast news reports.
- 5.6.4 Upon receiving a Media Monitor Checklist indicating that misinformation is being broadcast:
  - a. Inform the ENM of the misinformation so that corrective statements can be made in the next press briefing.
  - b. Help the ENM or his designee in formulating corrective statements.
  - c. If a representative of the news source broadcasting the misinformation is present in the ENC, speak to him/her about the corrective statements.
  - d. If necessary, have the Media Response Personnel call the news service with the corrective statement.
- 5.6.5 In anticipation of rumors that may be generated, inform the ECC of the misinformation being broadcast and of corrective statements.

- 5.7 Media Monitors, as directed by the PIC
  - 5.7.1 Monitor the TV, radio, newspapers and wire services for accuracy.
  - 5.7.2 When possible, tape all incident reports.
  - 5.7.3 Log all incident related broadcasts on a Media Monitor Checklist (Attachment 8).
    - a. Indicate the Date, Time, and your name
    - b. Indicate the TV/Radio station
    - c. Give a summary of what the reporter said
    - d. If protective actions have been made, note any errors.
    - e. Indicate any misinformation that is being broadcast
  - 5.7.4 Route the Media Monitor Checklist to the PIC for immediate action.

## 6.0 REFERENCES

### 6.1 Developmental References

None

### 6.2 Implementing References

- 6.2.1 EPIP 4-3, Public Information For An Alert/Site Area/General Emergency
- 6.2.2 EPIP 4-6, Emergency News Center Activation
- 6.2.3 EPIP 4-7, Public Information Emergency Organization

7.0 ATTACHMENTS

- 7.1 Acknowledgement of External Communications, Attachment 1
- 7.2 ENC External Communications Transmission Log, Attachment 2
- 7.3 ENC Rumor Control Form, Attachment 3
- 7.4 External Communications Rumor Log, Attachment 4
- 7.5 District Office/Callboard Rumor Control Inquiry Form, Attachment 5
- 7.6 District Office/Callboard Message Log, Attachment 6
- 7.7 District Office/Callboard Rumor Control Log, Attachment 7
- 7.8 Media Monitor Checklist, Attachment 8

Date \_\_\_\_\_  
 Location \_\_\_\_\_  
 Page \_\_\_\_\_ of \_\_\_\_\_

ACKNOWLEDGEMENT OF EXTERNAL COMMUNICATIONS

LILOCO Releases \_\_\_\_\_  
 LFRO RELEASES \_\_\_\_\_  
 FRS Messages \_\_\_\_\_  
 Other \_\_\_\_\_  
 (describe)

LOCATION	TIME TEST MSG. SENT	PHONE LINES TESTED	RLS #		RLS #		RLS #	
			SENT	REC'D	SENT	REC'D	SENT	REC'D
BABYLON								
BELLMORE								
BRENTWOOD								
BRIDGEHAMPTON								
GARDEN CITY								
HEWLETT								
HICKSVILLE								
HUNTINGTON								
PATCHOGUE								
PORT JEFFERSON								
RIVERHEAD								
ROSLYN								
BRENTWOOD CALL. RD								
HEWLETT CALL. RD								
HICKSVILLE CALL. RD								
RIVERHEAD CALL. RD								

Instructions: \* Log Time Release Received.  
 Use Military Time.

SAMPLE



LILOD Release \_\_\_\_\_  
LERO Release \_\_\_\_\_  
ERS Release \_\_\_\_\_  
Other \_\_\_\_\_  
(describe)

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Attachment 2  
Page 1 of 1

ENC EXTERNAL COMMUNICATIONS  
TRANSMISSION LOG

Date \_\_\_\_\_  
Time Activated \_\_\_\_\_  
Page \_\_\_\_\_ of \_\_\_\_\_  
Acknowledgement of \_\_\_\_\_  
Receipt \_\_\_\_\_  
\*Time List \_\_\_\_\_  
Acknowledged \_\_\_\_\_

\*Time Sent \_\_\_\_\_  
Location(s) Sent \_\_\_\_\_

Brief Description of Release and/or Bulletin \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*Time Rec'd \_\_\_\_\_

No. \_\_\_\_\_

INSTRUCTIONS: Number Each Release As Received Both On Log And Release Itself.

\* Use MILITARY TIME.

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**SAMPLE**

# SAMPLE

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## ENC RUMOR CONTROL FORM

Rumor I.D. No. \_\_\_\_\_ DATE: \_\_\_\_\_ \*TIME: \_\_\_\_\_ INITIALS \_\_\_\_\_

### 1. Reported by:

Corporate Communications Department \_\_\_\_\_ Emergency Operations Center \_\_\_\_\_  
Emergency News Center \_\_\_\_\_ Customer Callboard \_\_\_\_\_  
District Office \_\_\_\_\_ Other \_\_\_\_\_  
(Identify) (Identify)

### Source:

Customer \_\_\_\_\_ Gov't. Official \_\_\_\_\_ Media \_\_\_\_\_ Employee \_\_\_\_\_  
Name \_\_\_\_\_ Call Back Tel. No. \_\_\_\_\_  
Street \_\_\_\_\_ Town \_\_\_\_\_  
Rumor or Inquiry: \_\_\_\_\_

\*\*\*\*\*  
2. Rumor Referred to: ENH \_\_\_\_\_ ECC/PIC \_\_\_\_\_ LERO \_\_\_\_\_ \*Time \_\_\_\_\_

\*\*\*\*\*  
3. Response to Rumor/Inquiry:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Response by: \_\_\_\_\_ \*Time/date \_\_\_\_\_ / \_\_\_\_\_  
(Initials)

\*\*\*\*\*  
4. Response Relayed: Yes \_\_\_\_\_ No \_\_\_\_\_ By: \_\_\_\_\_ \*Time/Date \_\_\_\_\_ / \_\_\_\_\_

Response Relayed to: \_\_\_\_\_ Rec'd by: \_\_\_\_\_  
(Location) (initials)

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\* Use Military Time.

# SAMPLE

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## EXTERNAL COMMUNICATIONS RUMOR LOG

Date \_\_\_\_\_  
Time Activated \_\_\_\_\_ of \_\_\_\_\_  
Page \_\_\_\_\_ of \_\_\_\_\_

No.	Time Rec'd	Source (Name Of)	Brief Description of Rumor	*Time Ans. Rec'd From Source	Specify LERO or LILCO	Brief Description of Answer	*Time Ans. Sent

INSTRUCTIONS: Number Each Release As Received Both On Log And Release Itself.  
\*Use Military Time.

# SAMPLE

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## DISTRICT OFFICE/CALLBOARD RUMOR CONTROL INQUIRY FORM

\*RUMOR I.D. NO. \_\_\_\_\_ D.O./Callboard: \_\_\_\_\_  
OPERATOR NAME: \_\_\_\_\_  
DATE: \_\_\_\_\_ \*\* TIME: \_\_\_\_\_

### 1. RUMOR/QUESTION

Source: Customer \_\_\_\_\_ Gov't Official \_\_\_\_\_ Media \_\_\_\_\_ Employee \_\_\_\_\_

Name \_\_\_\_\_ Call Back Tel. No. \_\_\_\_\_  
Address \_\_\_\_\_

Rumor/Question (Verbatim): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. A. Rumor Answered Using (Check as Appropriate):  
LILCO New Release # \_\_\_\_\_ LERO News Release # \_\_\_\_\_  
EBS Message # \_\_\_\_\_ Public Information Brochure \_\_\_\_\_  
Other Source (describe) \_\_\_\_\_
- B. Rumor Forwarded to ENC at \_\_\_\_\_ hrs via TEL \_\_\_\_\_ CRT \_\_\_\_\_

### 3. ENC RESPONSE

Received By: \_\_\_\_\_ From: \_\_\_\_\_  
(Initials) (Initials)

Via: TEL \_\_\_\_\_ CRT \_\_\_\_\_ \*\*Time Rec'd. \_\_\_\_\_

Response: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### 4. RELAY OF RESPONSE

Response Relayed to Originating Party?  
YES \_\_\_\_\_ NO \_\_\_\_\_ OPERATOR \_\_\_\_\_ \*\*Time/Date \_\_\_\_\_ /  
(Initials)

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\* I.D. will be given by External Communications personnel at ENC.  
\*\* Use military time.

# SAMPLE

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## DISTRICT OFFICE/CALLBOARD MESSAGE LOG

Date \_\_\_\_\_  
Time Activated \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Ack. Receipt \_\_\_\_\_ \*Time \_\_\_\_\_  
of Release-Initial Acknowledged

Brief Description of Release and/or Bulletin

Message/View \_\_\_\_\_ \*Time \_\_\_\_\_  
Number \_\_\_\_\_ Rec'd \_\_\_\_\_

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Attachment 7  
Page 1 of 1

DISTRICT OFFICE/CALLBOARD  
RUMOR CONTROL LOG

Date \_\_\_\_\_  
Time Activated \_\_\_\_\_  
Page \_\_\_\_\_ of \_\_\_\_\_

No.	Time Rec'd	Operator	Brief Description of Rumor	*Time Ans. Pec'd From Source	Brief Description of Answer	Time Customer Received Answer
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

INSTRUCTIONS: Number Each Release As Received Both On Log And Release Itself.  
\*Use Military Time.

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# SAMPLE

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## MEDIA MONITOR CHECKLIST

DATE: \_\_\_\_\_  
TIME: \_\_\_\_\_  
MONITOR: \_\_\_\_\_

### THIS IS/IS NOT A DRILL

TV/Radio Station: \_\_\_\_\_  
Reporter: \_\_\_\_\_

1. What did the reporter say? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Are reported protective action recommendations correct?  
Note errors: \_\_\_\_\_

Evacuation Zones? \_\_\_\_\_  
Sheltering Zones? \_\_\_\_\_  
No Action Zones? \_\_\_\_\_

3. What statements, if any are being made that are contradictory to LILCO  
or LERO Press Releases?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Was the broadcast recorded?

Report received by:  
NAME: \_\_\_\_\_  
ORGANIZATION: \_\_\_\_\_

Corrective action taken: \_\_\_\_\_  
\_\_\_\_\_

\*Use military time.

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## OPIP 3.8.2 EMERGENCY BROADCAST SYSTEM ACTIVATION

### 1.0 PURPOSE

This procedure describes the actions necessary to activate the Emergency Broadcast System (EBS).

### 2.0 RESPONSIBILITY

The Coordinator of Public Information is responsible for implementing this procedure. The Director of Local Response is responsible for implementing this procedure should the Coordinator of Public Information not be available.

### 3.0 PRECAUTIONS

- 3.1 The EBS need not be activated for an Unusual Event.
- 3.2 For Site Area Emergency and General Emergency classifications, OPIP 3.3.4, Prompt Notification System Activation (Siren Activation) must be implemented.
- 3.3 If the siren system and EBS are to be activated together, they must be coordinated to ensure that the public will receive prompt instructions.

### 4.0 PREREQUISITES

- 4.1 An Alert, Site Area Emergency, or General Emergency condition is in progress and has been verified.
- 4.2 The Director of Local Response has contacted either Federal, State or Local government officials to activate the Emergency Broadcast System in accordance with OPIP 3.1.1.

### 5.0 ACTIONS

#### 5.1 EBS Activation

- 5.1.1 The designated New York State EBS Common Program Control Station for Nassau and Suffolk County Operational Area is WCBS in New York City. When the State EBS is to be used do the following:



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- a) Provide protective action recommendations to government officials for inclusion in their EBS message,  
or
- b) Prepare a message in accordance with Section 5.2 and have it approved by the Director of Local Response.
- c) If directed by the LERO Director contact WCBS directly. Authentication may be accomplished by use of code word provided by State or County officials or returned phone call. Transmit EBS message directly to WCBS as follows:
  - 1) Contact WCBS via commercial phone. The current 24-hour newsroom phone number is (212) 975-2127.
  - 2) Use the following format when contacting WCBS.

"This is (name/title) of the Local Emergency Response Organization. I have been authorized by (name/title) to request that the Emergency Broadcast System be activated for the Nassau and Suffolk Counties New York Operational Area because of an emergency declaration at the Shoreham Nuclear Power Station."
  - 3) Give date, time and the EBS authentication code.
  - 4) Upon authentication, request that station personnel prepare to broadcast the message live and simultaneously record the message for subsequent broadcast. Request that the message be replayed immediately and every 15 minutes thereafter.
  - 5) When cued by WCBS personnel, read the approved EBS message.
- d) The Long Island radio stations will automatically switch to the WCBS signal when WCBS activates its two tone signal.

## 5.2 Message Preparation

EBS Messages are provided for three accident classifications by radiological conditions and protective action recommendations.

### CAUTION

VERY SMALL RELEASES OF RADIATION NOT EXCEEDING TECHNICAL SPECIFICATIONS WILL NOT BE CLASSIFIED AS A "RELEASE" BY SHOREHAM PERSONNEL DURING AN EMERGENCY. INDICATE IN THE EBS MESSAGE THAT THERE HAS BEEN NO RELEASE OF RADIATION. IF THERE IS ANY QUESTION, ENSURE THIS ITEM IS CLARIFIED WITH THE RADIATION HEALTH COORDINATOR PRIOR TO ISSUING THE EBS MESSAGE.

## 5.2.1 Message Selection

Select a message for the appropriate accident classification, radiological conditions, and protective action recommendations from the following and modify to reflect actual circumstances:

- a. EBS Activation Advisory  
Read Message A, Attachment 4.
- b. Alert (No Release of Radiation)  
Read Message B, Attachment 4.
- c. Alert (Release of Radiation)  
Read Message C, Attachment 4.
- d. Site Area Emergency (No General Public Protective Actions)  
Read Message D, Attachment 4.
- e. Site Area Emergency (Sheltering)  
Read Message E, Attachment 4.
- f. General Emergency (Sheltering)  
Read Message F, Attachment 4.
- g. General Emergency (Sheltering and Evacuation)  
Read Message G, Attachment 4.
- h. General Emergency (Evacuation)  
Read Message H, Attachment 4.
- i. De-escalation of Emergency  
Read Message I, Attachment 4.
- j. Termination of Emergency Message  
Read Message J, Attachment 4.

## 5.2.2 Message Assembly

Once a message is selected in Step 5.2.1 various information must be inserted into the appropriate locations in the messages.

### a. Time of Emergency Classification

Obtain from Item 1, Part I - Radiological Emergency Data Form.

### b & c. Release and Dose Data

The release and dose data may be obtained from the Radiological Health Coordinator. If there has not yet been a release do not fill in the time of release.

### d. Names and Titles of Emergency Response Officials

Obtain names, titles, and organizational affiliation from the persons present at EOC (for Messages B - ).

### e. School Protective Actions

The Public and Private School Coordinators are contacting the schools to verify that they are aware of the emergency and confirm what protective actions each school district is taking. Include this information in the EBS message. Update this information as additional data becomes available. In addition, include details of School Relocation Center activation and disposition of children if Relocation Center is closed.

### f. Zones Affected and Descriptions

Zones designated for protective actions should only be obtained from the Director of Local Response. Obtain area description from Attachment 5.

g. Ingestion Pathway

At the direction of the Director of Local Response, obtain from the Radiation Health Coordinator information concerning where ingestion pathway protective action levels may have been exceeded. Develop a supplementary EBS message to inform people in these areas of appropriate actions and where they can call for further information. See Ingestion Pathway Sample Message M.

When ingestion pathway protective action are to be implemented outside of the 10 mile EPZ coordinate with New York State and Connecticut to ensure that the recommendation is broadcast on radio stations that provide coverage in the area of concern. The Emergency News Center should also be contacted to ensure recommendation is provided to the press media.

h. Road Impediment

If a non removable road impediment has resulted in the rerouting of traffic, add the following sentences to the EBS message following the numbered sections on public actions:

"There is a road blocked in the area of (fill in area). Traffic Guides in the area are rerouting traffic along other available roads. People traveling in this area should follow the routes recommended by the Traffic Guides".

i. Radioactive Contamination Requiring Evacuees to Report to Reception Centers

Depending upon the ability of the Reception Centers to monitor and decontaminate the number of evacuees anticipated, add one of the following sentences to the EBS message following the numbered sections on public actions:

"Due to the type of radioactive material released from Shoreham, people evacuating from zones (list zones) may have received some minimal level of contamination. Be assured that this contamination will pose little or no health hazard if it is removed within several days."

Adequate Capacity Add

"To be certain that there is little or no hazard, people from zones (list zones) should go to the reception center designated in their emergency information brochure. Those reception centers are located at the LILCO facilities in Bellmore, Hicksville and Roslyn. If you don't know which reception center you should go to then go to the facility most convenient to your evacuation route".

Inadequate Capacity Add

"This contamination is like dust and washes off easily. People from zones (list zones), upon reaching their evacuation destination should put their clothes into plastic bags, take showers and change into clean clothing. People who have no place to go should go to the reception center designated in their brochure. They will be monitored and decontaminated if necessary there. The reception centers will remain open for several days so that anyone who wishes to assure themselves that there is no contamination present on them or their bagged clothing may come in and be monitored".

j. Reentry

Based upon Shoreham plant conditions and field measurements, reentry into evacuated areas may be recommended. Issue a supplementary message identifying areas for reentry. See Message N as a sample.

5.2.3 Message Revision and Update

- a. New and updated information should be highlighted at the beginning of the message in addition to being put in the body of the message.
- b. Delete extraneous information and material no longer relevant to the emergency situation.
- c. Keep in mind that the messages are being repeated every 15 minutes and should be kept current and concise to ensure continued public attention.

5.3 Testing the FBS Operation

5.3.1 Communication Drills

In accordance with 47 CFR 73.961(c) weekly transmission tests of the two tone attention signal and test script shall be conducted by WCBS AM and FM a minimum of once a week.

LERO, as part of its continuing drill and exercise program, will attempt to involve NY State and Suffolk County in FBS tests for a Shoreham emergency. However, their participation is not required.

## 6.0 REFERENCES

- 6.1 OPIP 3.3.4, Prompt Notification System Activation.
- 6.2 OPIP 3.1.1, Command of Emergency Operations

## 7.0 ATTACHMENTS

- 1. Reserved for later use
- 2. Reserved for later use
- 3. Reserved for later use
- 4. EBS Sample Messages, A through N
- 5. Description of Planning Zones/Areas for Suffolk County



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·ATTACHMENTS 1, 2 AND 3  
ARE RESERVED FOR LATER USE.  
THE NEXT EFFECTIVE PAGE IS  
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## EBS SAMPLE MESSAGES

There are ten different types of messages which may be broadcast, depending on the accident classification. They are as follows:

- A - EBS Activation Advisory
- B - Alert (No Radiological Release)
- C - Alert (Radiological Release)
- D - Site Area Emergency (No General Public Protective Actions)
- E - Site Area Emergency (Sheltering)
- F - General Emergency (Sheltering)
- G - General Emergency (Sheltering and Evacuation)
- H - General Emergency (Evacuation)
- I - De-escalation of Emergency
- J - Termination of Emergency

There is one Ingestion Pathway message:

- M - Ingestion Pathway

There is one Reentry message:

- N - Reentry

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OPIP 3.8.2  
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## EBS SAMPLE MESSAGES (continued)

### MESSAGE A - EBS ACTIVATION ADVISORY

#### NOTE

THE FOLLOWING MESSAGE MAY BE USED TO PROVIDE NON-SPECIFIC SHOREHAM EMERGENCY INFORMATION OVER THE EBS PRIOR TO THE COMPLETION OF THE REGULAR EBS MESSAGE.

We interrupt our program at this time due to the activation of the Emergency Broadcast System. This is not a test. The Emergency Broadcast System is being activated due to an incident at the Shoreham Nuclear Power Station. Our normal broadcasting has been interrupted so that we may bring you information as soon as possible about the incident at the Shoreham Nuclear Power Station.

People located in the 10 mile emergency planning area around Shoreham should stay tuned to this Emergency Broadcast System station for official information and advisories. The 10 mile emergency planning area around Shoreham is roughly bounded by Port Jefferson on the West, Sunrise Highway on the South, Riverhead on the East and Long Island Sound on the North. Our normal broadcasting has been interrupted at this time due to an emergency at the Shoreham Nuclear Power Station. This Emergency Broadcast System radio station will furnish official information and advisories for the Shoreham area as soon as possible.

If you live in Suffolk County, do not use your telephone. The telephone lines should be kept open for official use. This Emergency Broadcast System has been activated to provide you with official information. This radio station will broadcast official information and advisories for the 10 mile emergency planning area around the Shoreham Nuclear Power Station. If you are in this area, keep tuned to this station for emergency information. It is important that you listen carefully to official announcements on this station.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE C - ALERT (RELEASE OF RADIATION)

This is the Emergency Broadcast System.

The Emergency Broadcast System has been activated due to an incident at the Shoreham Nuclear Power Station.

This is not a test.

An Alert condition was declared at \_\_\_\_\_ (time) today at the Shoreham Nuclear Power Station. There has been a release of radiation which is limited to the plant site. It does not pose any hazard to people outside the plant. The release of radiation occurred at (time).

An Alert is the second of four emergency classifications ranging from least serious to most serious, and involves conditions which could jeopardize the nuclear plant's safety system.

The Director of Local Response for emergencies for the Shoreham Nuclear Power Station, \_\_\_\_\_ (name), in coordination with (State and/or County officials (names, titles)) has consulted with \_\_\_\_\_ (names,

EBS SAMPLE MESSAGES  
(continued)

MESSAGE C - ALERT (RELEASE OF RADIATION)  
(continued)

Once again, the Shoreham Nuclear Power Station is in an Alert condition. There has been a release of radiation which is limited to the plant site. It does not pose any hazard to people outside the plant.

This message will be repeated every fifteen minutes on this station unless new information is available sooner. Keep tuned to this emergency broadcast station for the latest official information.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE E - SITE AREA EMERGENCY (SHELTERING)

This is the Emergency Broadcast System.

The Emergency Broadcast System has been activated due to an incident at the Shoreham Nuclear Power Station.

This is not a test.

A Site Area Emergency was declared at \_\_\_\_\_ (time). A Site Area Emergency is the third of four emergency classifications ranging from least serious to most serious, and indicates that a major plant safety system (has failed/could fail).

There (has/has not) been a release of radiation into the air (at time). Based upon (radiation measurements/plant conditions) exposure to small doses (is projected/may occur) within \_\_\_\_\_ miles downwind of Shoreham. Small doses are doses below the U.S. Environmental Protection Agency's guidelines for doses requiring protective actions. However, protective actions are being recommended for people in this area as a precaution. People outside this area do not need to take any action.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE E - SITE AREA EMERGENCY (SHELTERING)  
(continued)

The Local Emergency Response Organization for residents living in the 10-mile emergency planning zone around Shoreham has been activated and is responding to the incident in coordination with State and County officials (name them).

The Director of Local Response for emergencies for the Shoreham Nuclear Power Station, \_\_\_\_\_ (name), in coordination with (State and/or County officials (names, titles)) has consulted with \_\_\_\_\_ (names, titles) \_\_\_\_\_ scientists, \_\_\_\_\_ LILCO

EBS SAMPLE MESSAGES  
(continued)

MESSAGE E - SITE AREA EMERGENCY (SHELTERING)  
(continued)

officials, \_\_\_\_\_ nuclear engineers, and \_\_\_\_\_  
officials from \_\_\_\_\_ public agencies and has  
recommended the following public action:

1. Schools within the 10-mile emergency planning zone are advised to shelter children, that is, to remain indoors with outside ventilation sources closed off. Parents should not drive to schools within the 10 mile zone to meet their children since children are being protected in school. Schools outside the 10 mile zone are advised to keep in school students who live within the 10 mile zone. (Insert protective actions being taken by schools when this information becomes available.)
2. If you live within the 10-mile emergency planning zone, you should now refer to your Shoreham Public Emergency Procedures Brochure to determine the planning zone in which you live.
3. As a precaution Sheltering is recommended for people in planning zones \_\_\_\_\_ (identified by zone letters and area description). To shelter means to remain



EBS SAMPLE MESSAGES  
(continued)

MESSAGE E - SITE AREA EMERGENCY (SHELTERING)  
(continued)

indoors with all windows and doors closed. Air conditioners/heaters should be turned off, fires should be extinguished, and fireplace dampers closed. People who are sheltering should place a damp cotton cloth over their nose and mouth for additional protection. People who have homes with basements should shelter in their basements. People in the affected zones who are not at home should seek shelter inside buildings.

4. As a precaution all milk producing animals in Zones A, B, C, D and E should be moved into shelters and placed on stored feed.

The 10-mile emergency planning zone, around Shoreham, is roughly bounded by Osborn Avenue in Riverhead to the east, Main Street in Port Jefferson to the west, and Sunrise Highway to the south. If you live within the 10-mile emergency planning zone, you would have received periodic newsletters and other emergency information.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE E - SITE AREA EMERGENCY (SHELTERING)  
(continued)

Once again, the Shoreham Nuclear Power Station is in a Site Area Emergency. As a precaution it is advised that people in planning zones \_\_\_\_\_ (identify) shelter, that is, remain indoors with outside ventilation sources closed off. People in the affected zones who are not at home are again advised to shelter inside buildings.

This message will be repeated every fifteen minutes on this station until new information is available. Keep tuned to this emergency broadcast station for the latest official information.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE F - GENERAL EMERGENCY (SHELTERING)

This is the Emergency Broadcast System.

The Emergency Broadcast System has been activated due to an incident at the Shoreham Nuclear Power Station.

This is not a test.

A General Emergency condition was declared at \_\_\_\_\_ (time) today at the Shoreham Nuclear Power Station. A General Emergency condition is the most serious of the four emergency classifications and indicates that there (has been/ is a possibility of) fuel core damage which could result in a significant radiation dose to people downwind.

There (has been/could be) a release of radiation into the air (at time). Based upon (radiation measurements/plant conditions) exposure to significant doses (is projected/may occur) within \_\_\_ miles downwind of Shoreham. Significant doses are doses above the U.S. Environmental Protection Agency's guidelines for doses requiring protective actions. Exposure to small doses (is projected/may occur)

EBS SAMPLE MESSAGES  
(continued)

MESSAGE F - GENERAL EMERGENCY (SPELTERING)  
(continued)

between \_\_\_\_\_ and \_\_\_\_\_ miles downwind of Shoreham.  
Small doses are doses below the U.S. Environmental  
Protection Agency's guidelines for doses requiring  
protective actions. However protective actions are being  
recommended for people in this area as a precaution. People  
outside these areas do not need to take any action.

The Local Emergency Response Organization for  
residents living in the 10-mile emergency planning  
zone around Shoreham has been activated and is  
responding to the incident in coordination with State  
and County officials (names, titles).

The Director of Local Response for emergencies for  
the Shoreham Nuclear Power Station, \_\_\_\_\_  
(name), in coordination with (State and/or County  
officials (names, titles)) has consulted  
with \_\_\_\_\_ (names, titles) \_\_\_\_\_  
scientists, \_\_\_\_\_ LILCO

EBS SAMPLE MESSAGES  
(continued)

MESSAGE F - GENERAL EMERGENCY (SHELTERING)  
(continued)

officials, \_\_\_\_\_ nuclear engineers, and \_\_\_\_\_  
officials from \_\_\_\_\_ public agencies and has  
recommended the following public action:

1. All schools within the 10-mile emergency planning zone are advised to shelter, that is to keep children indoors with outside ventilation sources closed off.

Parents should not drive to schools within the 10 mile zone to meet their children since the children are protected in school. (Insert protective actions being taken by the schools when this information becomes available.)

Schools outside the 10 mile zone are advised to keep students in school who live within the 10 mile zone.

2. If you are within the 10-mile emergency planning zone, you should refer to your Shoreham Public Emergency Procedures Brochure to determine the planning zone in which you live.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE G - GENERAL EMERGENCY (SHELTERING & EVACUATION)

This is the Emergency Broadcast System.

The Emergency Broadcast System has been activated due to an incident at the Shoreham Nuclear Power Station.

This is not a test.

A General Emergency condition was declared at \_\_\_\_\_ (time) today at the Shoreham Nuclear Power Station. A General Emergency condition is the most serious of the four emergency classifications and indicates that there (has been/is a possibility) of fuel core damage, which could result in a significant radiation dose to people downwind.

There (has been/could be) a release of radiation into the air (at time). Based upon (radiation measurements/plant conditions) exposure to significant doses (is projected/may occur) within \_\_\_ miles downwind of Shoreham. Significant doses are doses above the U.S. Environmental Protection Agency's guidelines for doses requiring protective actions. Exposure to small doses (is projected/may occur)

EBS SAMPLE MESSAGES  
(continued)

MESSAGE G - GENERAL EMERGENCY (SHELTERING & EVACUATION)  
(continued)

between \_\_\_\_\_ and \_\_\_\_\_ miles downwind of Shoreham.  
Small doses are doses below the U.S. Environmental  
Protection Agency's guidelines for doses requiring  
protective actions. However protective actions are being  
recommended for people in this area as a precaution. People  
outside these areas do not need to take any action.

The Local Emergency Response Organization for  
residents living in the 10-mile emergency planning  
zone around Shoreham has been activated and is  
responding to the incident in coordination with State  
and County officials (names, titles).

The Director of Local Response for emergencies for  
the Shoreham Nuclear Power Station, \_\_\_\_\_  
(name), in coordination with (State and/or County  
officials (names, titles)) has consulted  
with \_\_\_\_\_ (names, titles) \_\_\_\_\_  
scientists, \_\_\_\_\_ LILCO

EBS SAMPLE MESSAGES  
(continued)

MESSAGE G - GENERAL EMERGENCY (SHELTERING & EVACUATION)  
(continued)

officials, \_\_\_\_\_ nuclear engineers, and \_\_\_\_\_  
officials from \_\_\_\_\_ public agencies and has recommended  
the following public action:

1. All schools within the 10-mile emergency planning zone  
are advised to evacuate to predesignated relocation  
centers.

Parents should not drive to schools within the 10 mile  
zone to meet their children since children are being  
safely transported outside the zone to relocation centers.

(Insert protective actions being taken by schools when  
this information becomes available.)

Schools outside the 10 mile zone are advised to keep  
students in school who live within the 10 mile zone.

2. If you are within the 10-mile emergency planning zone,  
you should refer to your Shoreham Public Emergency  
Procedures Brochure to determine the planning zone in  
which you live.



EBS SAMPLE MESSAGES  
(continued)

MESSAGE G - GENERAL EMERGENCY (SHELTERING & EVACUATION)  
(continued)

6. If you are not within planning zones \_\_\_\_\_  
(identify), or planning zones \_\_\_\_\_  
(identify), there is no reason to either shelter  
or evacuate. If you are outside the 10-mile  
emergency planning zone, there is no reason to  
take any action. If these recommendations  
change, we will inform you immediately.
  
7. We are required by NRC regulations to recommend  
that all milk producing animals in the 10-Mile  
Emergency Planning Zone should be moved into  
shelters and placed on stored feed. This does  
not mean there is any danger from radiation in  
zones that have not been recommended to shelter  
or evacuate.

Trained traffic guides are being dispatched to direct  
you along evacuation routes. Some of these traffic  
guides will be located outside the areas being  
evacuated. So if you are in an area that is not  
being evacuated do not be alarmed if you see traffic  
guides on roads in your area.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE H - GENERAL EMERGENCY (EVACUATION)

This is the Emergency Broadcast System.

The Emergency Broadcast System has been activated due to an incident at the Shoreham Nuclear Power Station.

This is not a test.

A General Emergency condition was declared at \_\_\_\_\_ (time) today at the Shoreham Nuclear Power Station. A General Emergency condition is the most serious of the four emergency classifications and indicates that there (has been/is a possibility) of fuel core damage, which could result in a significant radiation dose to people downwind.

There (has been/could be) a release of radiation into the air (at time). Based upon (radiation measurements/plant conditions) exposure to significant doses (is projected/may occur) within \_\_\_ miles downwind of Shoreham. Significant doses are doses above the U.S. Environmental Protection Agency's guidelines for doses requiring protective actions. Exposure to small doses (is projected/may occur) between

EBS SAMPLE MESSAGES  
(continued)

MESSAGE H - GENERAL EMERGENCY (EVACUATION)  
(continued)

\_\_\_\_\_ and \_\_\_\_\_ miles downwind of Shoreham. Small doses are doses below the U.S. Environmental Protection Agency's guidelines for doses requiring protective actions. However protective actions are being recommended for people in this area as a precaution. People outside these areas do not need to take any action.

The Local Emergency Response Organization for residents living in the 10-mile emergency planning zone around Shoreham has been activated and is responding to the incident in coordination with State and County officials (names, titles).

The Director of Local Response for emergencies for the Shoreham Nuclear Power Station, \_\_\_\_\_ (name), in coordination with (State and/or County officials (names, titles)) has consulted with \_\_\_\_\_ (names, titles) \_\_\_\_\_ scientists, \_\_\_\_\_ LILCO officials, \_\_\_\_\_ nuclear engineers, and \_\_\_\_\_ officials from \_\_\_\_\_ public agencies and has recommended the following public action:

EBS SAMPLE MESSAGES  
(continued)

MESSAGE H - GENERAL EMERGENCY (EVACUATION)  
(continued)

1. All schools within the 10-mile emergency planning zone are advised to evacuate to predesignated relocation centers.

Parents should not drive to schools within the 10 mile zone to meet their children since children are being safely transported outside the zone to relocation centers. (Insert protective actions being taken by schools when this information becomes available.)

Schools outside the 10 mile zone are advised to keep students in school who live within the 10 mile zone.

2. If you are within the 10-mile emergency planning zone, you should refer to your Shoreham Public Emergency Procedures Brochure to determine the planning zone in which you live.
3. Evacuation is recommended for people in planning zones \_\_\_\_\_ (identify by zone letters and area description). People in these zones will be safer if they evacuate as soon as possible away from Shoreham. The evacuation routes for your zone are listed in the Shoreham Public Emergency Procedures Brochure.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE H - GENERAL EMERGENCY (EVACUATION)  
(continued)

5. If you are not within planning zones \_\_\_\_\_  
(identify), there is no reason for you to evacuate. If you are outside the 10-mile emergency planning zone, there is no reason to take any action. If conditions change in the future, these recommendations may change and we will inform you immediately.
  
6. We are required by NRC regulations to recommend that all milk producing animals in the 10-mile Emergency Planning Zone should be moved into shelters and placed on stored feed. This does not mean that there presently is any danger from radiation in those zones that have not been recommended to evacuate.

Trained traffic guides who know which way you should go are being dispatched to direct you along evacuation routes. Some of these traffic guides will be located outside the areas being evacuated. So if you are in an area that is not being evacuated do not be alarmed if you see traffic guides on roads in your area.

If you have been advised to evacuate but do not have

**DRAFT**

OPIP 3.8.2  
Page 65 of 72  
Attachment 4  
Page 48 of 49

PAGES 65 AND 66 OF 72  
ARE RESERVED FOR LATER USE.  
THE NEXT EFFECTIVE PAGE IS  
PAGE 66a OF 72.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE M - INGESTION PATHWAY

This is the Emergency Broadcast System.

The Emergency Broadcast System has been activated due to an incident at the Shoreham Nuclear Station.

This is not a test.

There (has been/continues to be) a release of radioactive material from the Shoreham Nuclear Power Station. Personnel from the (U.S. Department of Energy, the U.S. Environmental Protection Agency, N.Y. State Department of Health and Long Island Lighting Company) are measuring and evaluating the extent of the release.

The Director of Local Response for emergencies for the Shoreham Nuclear Power Station, \_\_\_\_\_ (name), in coordination with (State and/or County officials (names, titles)) has consulted with \_\_\_\_\_ (names, titles) \_\_\_\_\_ scientists, \_\_\_\_\_ LILCO officials, \_\_\_\_\_ nuclear engineers, and \_\_\_\_\_ officials from \_\_\_\_\_ public agencies and has recommended the following public action:

DRAFT

OPIP 3.8.2  
Page 66b of 72  
Attachment 4  
Page 49b of 49

EBS SAMPLE MESSAGES  
(continued)

MESSAGE M - INGESTION PATHWAY

At (time) the following advisory was issued regarding livestock, milk and food products in New York State. People in Connecticut should tune to a local radio station broadcasting information for your area.

(PREVENTIVE ACTIONS)

In the following area(s) (identify) (projected/measured) amounts of radioactive contamination have reached Preventive Action levels. A Preventive Action level is a guideline established by the U.S. Food and Drug Administration which indicates that all livestock, especially dairy animals, should be kept on stored feed. This advisory applies to animals used for both commercial or private milk or meat production. This action will prevent any radioactive contamination on pasture land from affecting milk and meat products. Any milk and meat product already in supermarkets or homes is safe for use.

(EMERGENCY ACTIONS)

In the following area(s) (identify) (projected/measured) amounts of radioactive contamination have reached Emergency Action levels. An Emergency Action level is a guideline established by the U.S. Food



EBS SAMPLE MESSAGES  
(continued)

MESSAGE M - INGESTION PATHWAY

and Drug Administration which indicates that milk and crops in this area may not be safe for use and should not be used or sold. Vegetables and fruits from gardens or farmstands in these areas should not be used or sold. Any milk or meat product already in supermarkets or homes is safe for use.

Local Agriculture and Markets resident inspectors are (being sent/in place) at food processing facilities to ensure that all food and milk reaching supermarkets is safe.

Farmers and food processors in these areas are presently being contacted by (N.Y. State/LILCO) personnel. They are being advised of the actions necessary to protect the public. Any questions by farmers and food processors can be answered by contacting the Cooperative Extension Agent of the N.Y. State Department of Agriculture and Markets at \_\_\_\_\_.

In areas outside of those previously identified monitoring and sample results have shown that any locally grown food is safe to eat.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE M - INGESTION PATHWAY

Teams from the [Department of Energy, Environmental Protection Agency, N.Y. State Department of Health and LILCO] will continue to take and analyze samples in areas potentially affected. These results will indicate where and when it is safe to remove the protective actions taken. The public will be kept informed of necessary actions via this radio station.

This message will be repeated every fifteen minutes on this station until new information is available. Keep tuned to this emergency broadcast station for the latest official information.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE N - REENTRY

This is the Emergency Broadcast System.

The Emergency Broadcast System has been activated due to an incident at the Shoreham Nuclear Power Station.

This is not a test.

As of (time) the Long Island Lighting Company has declared the Shoreham Nuclear Power Station to be in \_\_\_\_\_ condition. No abnormal releases of radiation are expected to occur. Personnel from LILCO and the Nuclear Regulatory Commission are closely monitoring the situation.

The Director of Local Response for emergencies for the Shoreham Nuclear Power Station, \_\_\_\_\_ (name), in coordination with [State and/or County officials (names, titles)] has consulted with \_\_\_\_\_ (names, titles) \_\_\_\_\_ scientists, LILCO officials, \_\_\_\_\_ nuclear engineers, and \_\_\_\_\_ officials from \_\_\_\_\_ public agencies.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE N - REENTRY  
(continued)

Field teams from (New York State, Department of Energy and LILCO) have been taking radiation measurements within the evacuated areas. Based upon detailed analysis of these measurements the following recommendations are being made:

People living in zones \_\_\_\_\_ may safely return to their homes. Nursing homes and health care facilities in these zones may also be safely reoccupied.

People living in (zones, area) should not return to their homes until further notice. Further monitoring and sampling is being conducted in these (zones, area) and further advisories will be provided as soon as possible. Suffolk County Police (are being, have been) posted around the perimeter of this area to provide access control and protect the area. If you need to reenter these zones for emergency purposes please contact the Suffolk County Police at \_\_\_\_\_ or LERO at \_\_\_\_\_.

EBS SAMPLE MESSAGES  
(continued)

MESSAGE N - REENTRY  
(continued)

Food in homes or stores in the reentered areas is safe to consume except for foods that may have naturally spoiled while you were away. Fruits and vegetables locally grown and from gardens (are/are not) safe for consumption.

Since local stores may be temporarily out of fresh food, you may want to shop on your way home.

Local water supplies have been sampled to assure that no unnatural level of radioactive material is present. All water is safe to drink.

Further information concerning the reopening of schools, railroad stations and other facilities will be announced as soon as information is known.

This information will be repeated every fifteen minutes on this station until new information is available.

Keep tuned to this emergency broadcast station for the latest official information.

- 5.1.1.3 The LERO Classroom Training Matrix, Attachment 1, and the LERO Drill Matrix, Attachment 2, list the training program requirements outlined as the minimum requirements for each position within the organization.
- 5.1.1.4 The Emergency Preparedness Coordinator shall confirm each quarter, that all LERO positions are adequately staffed, and that all required LERO personnel are qualified.
- 5.1.1.5 The Emergency Preparedness Coordinator will identify any staffing or training deficiencies. He will ensure that the staffing requirement is promptly met and training is scheduled to correct any training deficiencies.

#### 5.1.2 Classroom Training

The LERO classroom training program consists of a series of nine different classroom sessions. These sessions incorporate training modules designed to instruct trainees in general emergency preparedness concepts, LERO organizational structure, internal and external interfaces, notification and communications, radiation protection, personnel dosimetry and exposure control, radiological monitoring and decontamination, as well as specific emergency response topics. (See Attachment 3 for an outline of each specific training module).

An emergency response organization relies upon accurate transmission of information to the appropriate personnel. As such, the LERO training program emphasizes communications and organizational interface to ensure that decisions are made and actions are implemented in a timely and appropriate manner.

- 5.1.2.1 All LERO workers attend classroom sessions covering the general emergency preparedness and radiological modules. Sessions 1 and 2 introduce these concepts to new LERO workers attending

classroom training for the first time. Session 3 covers these same topics for LERO workers attending requalification training. Listed below are the modules covered in Sessions 1, 2, and 3.



5.1.2.3 All classroom training sessions will be led by an Instructor following an approved Lesson Plan. The Instructor shall collect attendance information, show videotapes (where applicable) review all session written materials and procedures as outlined in the Lesson Plan and ensure the completion of module review exercises. The Instructor shall also conduct an oral review of key items identified in the Lesson Plan and answer trainee questions.

5.1.2.4 All LERO workers must complete their classroom training requirements, as outlined in Attachment 1, on an annual basis. All classroom sessions will be scheduled quarterly. If, however, a key position in LERO becomes understaffed, a special accelerated training program may be initiated by the Emergency Preparedness Coordinator to fill the vacancy more rapidly than might be accomplished through the course of the normal ongoing training program.

### 5.1.3 Training of Support Agencies

Emergency response training will be offered to all members of LERO support organizations, such as the U.S. Coast Guard, helicopter company personnel, and ambulance company personnel. Commercial school Bus Drivers, and EPZ phone survey personnel will be provided with training specific to their LERO function. (Attachment 1, LERO Classroom Training Matrix, indicates the training to be offered to LERO support agencies.)



LERO CLASSROOM TRAINING MATRIX  
 (continued)

MODULE NUMBERS\*\*

JOB CODE	TITLE	SESSIONS 1, 2, 3							JOB-SPECIFIC SESSIONS 4 - 9																			
		1	2	3	5	8	9	10	4	6	7	8A	10A	11	12	13	14	15	17	18	19	20						
18A	Security - EOC	0	0	0	0	0	0	0	0																			
18B	Security - S.A.	0	0	0	0	0	0	0	0				0									0	0					
19	Rad Monitoring/Decontamination - EWDF	0	0	0	0	0	0	0	0				0	0														
20	Route Alert Driver	0	0	0	0	0	0	0	0				0										0					
21	Road Crew	0	0	0	0	0	0	0	0				0			0							0					
22A	Lead Traffic Guide	0	0	0	0	0	0	0	0				0			0						0	0					
22B	Traffic Guide - S.A.	0	0	0	0	0	0	0	0				0			0												
22C	Traffic Guide - Ctr	0	0	0	0	0	0	0	0				0															
23	Bus Driver	0	0	0	0	0	0	0	0										0	0	0							
23B	School Bus Driver	0	0	0	0	0	0	0	0										0	0	0							
24	Evacuation Route Spotter	0	0	0	0	0	0	0	0				0			0												
25	Material Purchasing	0	0	0	0	0	0	0	0				0										0					
26A	Decontamination Coordinator	0	0	0	0	0	0	0	0				0		0													
26B	Decontamination Leader - Center	0	0	0	0	0	0	0	0				0		0													
26C	Decontamination Leader - EWDF	0	0	0	0	0	0	0	0				0		0													
27	Staging Area Coordinator	0	0	0	0	0	0	0	0				0			0			0				0					
27A	Asst. Staging Area Coordinator	0	0	0	0	0	0	0	0				0			0			0				0					
28A	Special Facilities Coordinator	0	0	0	0	0	0	0	0				0															
28B	Public Schools Coordinator	0	0	0	0	0	0	0	0				0															
28C	Private Schools Coordinator	0	0	0	0	0	0	0	0				0															
28D	Health Facilities Coordinator	0	0	0	0	0	0	0	0				0															
28E	Home Coordinator	0	0	0	0	0	0	0	0				0															
28F	School Relocation Ctr Supervisor	0	0	0	0	0	0	0	0																			
28G	School Relocation Ctr Staff	0	0	0	0	0	0	0	0																			
29A	Family Tracking Coordinator	0	0	0	0	0	0	0	0																			
29B	Family Tracking Staff	0	0	0	0	0	0	0	0																			
31A	Coordinator of Public Information	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0					
31B	Public Information Support Staff	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0					
31C	LERO Spokesperson	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0					
32A	LERO Relocation Center Manager	0	0	0	0	0	0	0	0				0															
32B	LERO Relocation Center Staff	0	0	0	0	0	0	0	0				0															
39A*	Radiation Health Coordinator	0	0	0	0	0	0	0	0				0							0								
39B*	Nuclear Engineer	0	0	0	0	0	0	0	0																			
39D*	Siren Verification												JOB SPECIFIC TRAINING															
39E*	Traffic Engineer	0	0	0		0	0	0	0							0	0	0										
*	Ambulance Personnel	0		0			0	0							0		0											
*	Coast Guard			0			0	0																				
*	Helicopter Personnel	0		0			0	0				0				0												
*	Commercial School Bus Drivers	0		0			0	0																				

DRAFT

\* May Include Non-LILCO Personnel

\*\* Module Topics are shown in Section 5.1.2 and Attachment 3.

LERO DRILL MATRIX  
 (continued)

JOB CODE	TITLE	DR 1	DR 2	TT 1	TT 2	TT 3	TT 4	TT 5	TT 6	TT 7	TT 8	TT 9	TT 10	TT 11	TT 12	TT 13	DRILLS AND TABLETOPS
19	Rad Monitoring/Decontamination - EWDF	0	0							0							DR 1 - LERO Integrated Facility Drills
20	Route Alert Driver	0	0														
21	Road Crew	0	0														
22A	Lead Traffic Guide	0	0		0			0									DR 2 - LERO Notification/Mobilization Drills
22B	Traffic Guide - SA	0	0														
22C	Traffic Guide - CTR	0	0							0							
23	Bus Driver	0	0														TT 1 - Protective Action Recommendations/Accident Management
23B	School Bus Driver	0	0														
24	Evacuation Route Spotter	0	0														
25	Material Purchasing	0	0														TT 2 - Staging Area Management
26A	Decontamination Coordinator	0	0						0	0							
26B	Decontamination Leader - Reception Center	0	0						0								
26C	Decontamination Leader - EWDF	0	0							0							TT 3 - Public Information
27	Staging Area Coordinator	0	0		0		0	0									
27A	Asst. Staging Area Coordinator	0	0		0		0	0									
28A	Special Facilities Coordinator	0	0				0					0					TT 4 - Transportation Coordination
28B	Public Schools Coordinator	0	0									0					
28C	Private Schools Coordinator	0	0									0					
28D	Health Facilities Coordinator	0	0									0					TT 5 - Traffic Guidance
28E	Home Coordinator	0	0									0					
28F	School Relocation Ctr Supervisor	0	0									0				0	
28G	School Relocation Ctr Staff	0	0									0				0	TT 6 - Personnel Monitoring and Decontamination/Reception Center Operations
29A	Family Tracking Coordinator	0	0											0			
29B	Family Tracking Staff	0	0											0			
31A	Coordinator of Public Information	0	0	0	0												TT 7 - EWDF Tabletop and Practical
31B	Public Information Support Staff	0	0		0												
31C	LERO Spokesperson	0	0	0	0												
32A	LERO Relocation Center Manager	0	0												0		TT 8 - Dosimetry
32B	LERO Relocation Center Staff	0	0											0			
39A*	Radiation Health Coordinator	0	0	0													
39B*	Nuclear Engineer	0	0	0													TT 9 - Special Populations
39C*	Siren Verification																
39E*	Traffic Engineer	0	0						0								
																	TT 10-Initial Notification/Supervising Service Operator
																	TT 11-LERO Family Tracking
																	TT 12-LERO Family Relocation Center
																	TT 13-School Relocation Center

\* May Include Non-LILCO Personnel

SECTION 7.3.1

USCG PLAN

+

COVER

Section 7.3.1

United States Coast Guard First District  
Radiological Incident Response Plan

SNPS PNS 8/88



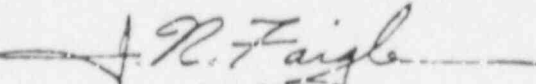
DIINST M2309.1A

10 MAY 1988

FIRST DISTRICT INSTRUCTION M2309.1A

Subj: FIRST DISTRICT RADIOLOGICAL INCIDENT RESPONSE PLAN

1. Purpose. To coordinate Coast Guard response to a nuclear power plant incident. This plan establishes command relationships, guidance for response activities, training, and equipment requirements.
2. Directives affected. First District Instruction M2309.1 is hereby superceded and canceled.
3. Discussion. With the realignment of First District COTP zones, it has become apparent that a nuclear power plant (NPP) incident may well extend beyond a single COTP zone/group boundary. This plan is created to ensure a coordinated, timely response to a NPP incident. This plan has been updated to include the five nuclear facilities located in the former Third District portions of New York and Connecticut.
4. Action. Staff elements, commanding officers, and group commanders will ensure compliance with the provisions of this plan.

  
J. N. FAIGLE  
CHIEF OF STAFF

DISTRIBUTIONS -SDL No. 126 (1st District only)

	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
A																										
B	*	*																								
C					6																					
D				2																						
E															6											
F																										
G																										
H																										

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FIRST DISTRICT RADIOLOGICAL RESPONSE PLAN

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- E. Incident Classification.....1-2

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- (1) Sample Urgent Marine Information Broadcast
- (2) Sample Safety Zone Order



## CHAPTER 1. BACKGROUND/POLICY GUIDANCE

A. General. There are nine nuclear plant sites within the jurisdiction of the First Coast Guard District. Two of these plants are research facilities (URI and Schenectady), and two do not as yet have operating licenses (Seabrook and Shoreham). We have agreed to respond to emergency situations at all operating facilities through memorandums of understanding with appropriate state agencies.

B. Statutory Responsibilities. The Coast Guard does not have the responsibility to respond to mitigate or investigate radiological incidents. Therefore there is no pre-designated "On-Scene Coordinator" as there is for oil or hazardous materials releases. These functions in a radiological incident are primarily the responsibility of the Department of Defense and/or the Department of Energy depending on the type of incident. It can be expected, however, that a radiological incident at a coastal nuclear power plant (NPP) will impact on the Coast Guard's traditional role of safety of life at sea. Further, the Coast Guard, under the authority of Title 14, USC, Part 141, is permitted to use its personnel and equipment to assist state civil defense authorities. The Department of Transportation summarized its response mission to non-defense emergencies in the November 8, 1985 edition of the Federal Register (Vol. 50, No. 217, p. 46563). As an agency of DOT, it is anticipated that Coast Guard response actions in a NPP incident would be:

1. Immediately notify mariners to warn of possible dangers.
2. Restrict marine traffic from entering hazardous areas.
3. Coordinate with and provide information to other agencies.
4. Provide logistics support and civil transportation assistance in non-hazardous areas.

C. General Responsibilities of Other Federal Agencies.

1. The Federal Emergency Management Agency (FEMA) has the lead responsibility for all off-site nuclear emergency planning and response. This agency is charged with establishing policy for and coordinating all civil emergency planning and assistance functions for federal agencies.
2. The U.S. Nuclear Regulatory Commission (NRC) is responsible for verifying that appropriate emergency plans have been implemented and for conducting investigative activities associated with a radiological emergency.
3. The U.S. Department of Energy (DOE) is responsible for providing emergency operations to assist state and local governments in protecting the health and safety of individuals, the public, and the environment in the event of a radiological emergency. This is accomplished through area Radiological Assistance Programs (RAPs). The RAP Plan which covers NPPs located in the First District was developed by DOE's Brookhaven, Long Island Area Office.

#### D. Safety Policy.

1. Since Coast Guard personnel are neither equipped nor trained to enter areas where dangerous levels of radioactivity could pass through ordinary clothing or be absorbed through inhalation, ingestion, or skin contact, such actions are not warranted and would not be in the public interest. To the contrary, exposure of Coast Guard personnel to dangerous levels of radioactivity would only exacerbate the situation by increasing casualties and diminishing response resources. Under no circumstances will Coast Guard personnel, vessels, aircraft, or vehicles be required or permitted to enter areas where radiation levels can reasonably be expected to be a substantial health risk. The District Commander should be consulted if any doubt exists as to the safety of a given situation. For basic guidance, refer to Chapter 12. Since radioactivity cannot be seen, the only protection against exposure is to be equipped with proper emergency kits, radiacs, and dosimeters that personnel are properly trained to use.
2. At present there is no specific funding or directed training in the area of radioactivity exposure protection. Therefore, no forces shall be deployed to enforce safety zones or support logistics until the area of operations has been tested for radiation levels if a release has occurred. Given the general nature of emergency situations, there may be significant delays in getting accurate information concerning the extent of the radioactivity problem. Until this information is received, the Coast Guard's primary actions should be to warn the maritime public and broadcast a safety zone.
3. Two possible types of radioactive releases from nuclear power plants are: (1.) contamination of reactor cooling water with radioactive iodine, or (2.) the release of radioactive gases and/or particles into the atmosphere. The first type of release is primarily a threat to the coastal aquatic life with long term effects on the food chain. The second type of release would only occur as the result of a serious degradation of the reactor core and subsequent failure of the reactor containment system. This type of release is much more serious than the first because it could pose an immediate threat to human life.

#### E. Incident Classification.

1. To aid in the preparation for and response to NPP incidents, the NRC has established four progressive emergency classification levels for all nuclear facilities. Operators are required to provide prompt notification to local, state and Federal authorities whenever an initiating condition for any of the four emergency classification levels exists. The four levels are:
  - a. UNUSUAL EVENT. Something out of the ordinary has occurred at a nuclear facility which indicates a potential degradation of the level of safety of the nuclear power plant. No releases

of radioactive material requiring off-site response or monitoring are expected. The Coast Guard will be notified of this; however, no active response on the part of the Coast Guard is anticipated.

- b. **ALERT.** Events are in process or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant. Any releases are expected to be limited to small fractions of the EPA's Environmental Protection Action Guideline exposure levels. The Coast Guard will be notified and preparations will begin at this level but no active response will be required unless the situation indicates further escalation.
  - c. **SITE AREA EMERGENCY.** Events are in process or have occurred which involve actual or likely major failures of plant functions needed for the protection of the public. Any releases are not expected to exceed EPA exposure levels except near site boundaries. The Coast Guard will actively deploy resources at this level.
  - d. **GENERAL EMERGENCY.** Events are in process or have occurred which involve actual or imminent substantial core degradation or melting with potential for loss of containment integrity. Releases can reasonably be expected to exceed EPA exposure levels outside the immediate site area. An active response by the Coast Guard should be in process before this level is reached.
2. Additionally, there are two personnel emergency action levels established:
- a. Level 1 - Onsite emergency medical treatment required for any individual with or without evidence of internal or external contamination.
  - b. Level 2 - Offsite emergency medical treatment required for any individual without evidence of internal or external contamination.

## CHAPTER 2. RESPONSE ORGANIZATION

### A. General.

1. Any active Coast Guard response to a radiological incident can be expected to quickly escalate into a district-wide evolution involving multiple commands and command levels. As a port emergency affecting the safety of mariners and the quality of the marine environment, the Captain of the Port in whose zone the affected plant resides has a responsibility to coordinate with the facility operator to ensure that mariners are properly warned of possible dangers as they develop and that Coast Guard response actions are conducted with the most complete safety information available. Group Commanders must be prepared to provide quick response with trained boat crews to enforce a safety zone in coordination with the COPT and insure that a Safety Voice Broadcast or Urgent Marine Information Broadcast as appropriate is promptly issued to warn mariners.
2. It is fully expected that a radiological incident will quickly become a major news story and a matter of immediate concern to the District Commander. A radiological incident may well cross group boundaries as well as COPT zones. Only the District Commander has the legal authority to issue a safety zone that crosses COPT zones. In a major radiological incident, as in any declared natural disaster, FEMA will assume the lead role in marshaling and deploying Federal resources in the recovery effort. It is expected that requests for personnel or equipment will come from the states or FEMA directly to the District Commander. Such requests will probably be the major thrust of Coast Guard concern and involvement in the incident. Two of the four power plants are located on exposed shorelines in relatively remote areas. This would make an extended enforcement of safety zones with small boats alone at these two sites (Seabrook and Pilgrim) impractical due to serious limitations in endurance and communications capabilities. In such instances a larger district-controlled platform should be deployed to act as On-Scene Commander.

### B. Task Assignment.

1. Chief, Marine Safety Division.
  - a. Coordinate nuclear incident preparedness planning at the District level.
  - b. Review after exercise reports and take steps to correct identified problems.
  - c. Coordinate planning and updating of memorandums of understanding with state civil defense authorities.
2. Chief, Operations Division.

- a. Provide vessels and aircraft to support nuclear incident response efforts.
  - b. Keep District Commander informed of operational situation.
  - c. Ensure the District Operations Center follows the response guidelines in Chapters 3 through 6, as applicable.
  - d. Ensure that boat and cutter crews are trained in the use of emergency kits and dosimeters. NPP operators and state civil defense authorities should be exploited by field units as a source of training and safety equipment to the maximum extent possible.
  - e. Ensure that stations and cutters are properly outfitted with emergency kits and dosimeters.
2. Chief, Public Affairs Branch.
- a. Keep District Commander informed of the potentialities of the situation as they relate to media relations and public concerns.
  - b. Issue press releases as necessary.
3. Commanding Officers, Marine Safety Offices.
- a. Conduct planning and coordination with local public safety agencies and with the facility operators of NPP's within the COTP zone.
  - b. Designate and provide when needed a liaison officer to the Incident Field Office/Emergency Operation Center/ Emergency Support Center for NPPs within the COTP zone.
  - c. Participate in periodic training exercises conducted by NPP operators and Groups/Group units. Provide a critique of training exercises to the Chief, Marine Safety Division.
  - d. Develop local plans as necessary to aid in response to NPP incidents for facilities within the COTP zone.
  - e. Respond to NPP incidents as per Chapters 3-6, as applicable, and locally developed plans.
  - f. Utilize expertise at US BUC/ESI to identify safe parameters for various situations outside of which the Coast Guard may safely operate.
4. Commanders, Coast Guard Groups.
- a. Conduct training exercises with MSOs and other Groups/units for NPP incidents within the Group's ACR. Provide input to MSO for exercise critique.

- b. Train boat crews in use of emergency kit and dosimeter use. Ensure response boats are properly equipped with kits and dosimeters.
- c. Respond to NPP incidents as per chapters 3-6 as applicable and locally developed plans.
- d. Develop evacuation plans for Group units that are located within approximately a ten mile radius of a NPP.



CHAPTER 3. RESPONSE PROCEDURES: MAINE YANKEE NUCLEAR POWER PLANT.

A. General Information.

1. The Maine Yankee NPP is located along the Back River at Bailey Point, Wiscasset, Maine (see chartlet, Page 3-5). Due to the company's location along a tidal river on a jagged shoreline, the Maine State Police will probably need the assistance of the Coast Guard in limiting access to danger zones. An incident at this plant should not cross COTP zones; however, resources from Group Portland and Group Southwest Harbor may be needed. The nearest Coast Guard resources are at Station Boothbay Harbor, approximately 12 nautical miles by water to the East.

B. Response Procedures.

1. UNUSUAL EVENT

a. MSO Portland.

- (1) Verify and gather information on circumstances surrounding event.
- (2) Notify District Operations Center and pass information as it develops.
- (3) Notify Commanders, Group Portland and Southwest Harbor.
- (4) If the emergency classification level is terminated, notify above commands.
- (5) If the emergency classification level escalates, continue with this plan.

b. District Operations Center.

- (1) Notify Public Affairs duty PA.
- (2) Notify Marine Safety Division.
- (3) Consider what units could be deployed if situation were to escalate.
- (4) Notify above personnel if the emergency classification level terminates.
- (5) If the emergency classification level escalates, continue with this plan.

2. ALERT

a. MSO Portland.

- (1) Follow procedures for the UNUSUAL EVENT level above.

- (2) Arrange standby vehicular transportation to the Incident Field Office at the Bureau of Civil Emergency Preparedness Office, State House, Augusta, Maine.
- (3) If delays can be anticipated in response of Coast Guard boats, notify the Incident Field Office as soon as possible.
- (4) If the emergency classification level is terminated, notify District and Groups.
- (5) If the emergency classification level is escalated, continue with this plan.

b. Group Portland.

- (1) Review status of resources available for emergency response with MSO Portland and Group Southwest Harbor. If resources are insufficient to sustain a possible safety zone notify District Operations Center of the expected shortfall.
- (2) Ensure Station Boothbay Harbor is kept informed of the situation.
- (3) Consider recall of essential personnel.
- (4) Review emergency evacuation plan for Station Boothbay Harbor.

c. District Operations Center

- (1) Follow procedures for the UNUSUAL EVENT level above.
- (2) Brief District Commander of situation.
- (3) Request Marine Safety Division assist Operations Center in assessing situation and potential for escalation.
- (4) If the emergency classification level is terminated, notify the District Commander, Public Affairs, and Marine Safety Division.
- (5) If the emergency classification level is escalated, continue with this plan.

3. SITE AREA EMERGENCY OR GENERAL EMERGENCY

a. MSO Portland

- (1) Follow procedures for UNUSUAL EVENT and ALERT levels above.



- (2) Dispatch personnel to the nearest Field Office. Upon arrival make presence known to the senior state civil defense official. Report arrival to the COTP.
- (3) If requested by the IFC or State Police, establish a safety zone around the plant according to local plans. Safety zone size and location should be based on recommendations of state civil defense authorities for "shelter in place" protective measures.
- (4) Request District Operations Center issue Urgent Marine Information Broadcast.
- (5) If safe to do so, coordinate initial resource deployment with Group Portland. Provide personnel to enforce safety zone according to local plans.
- (6) Keep District Operations Center informed of situation as it develops.
- (7) When emergency classification is terminated, notify District and Groups Portland and Southwest Harbor. Ensure safety zone is disestablished and UMIB is canceled.

b. Group Portland

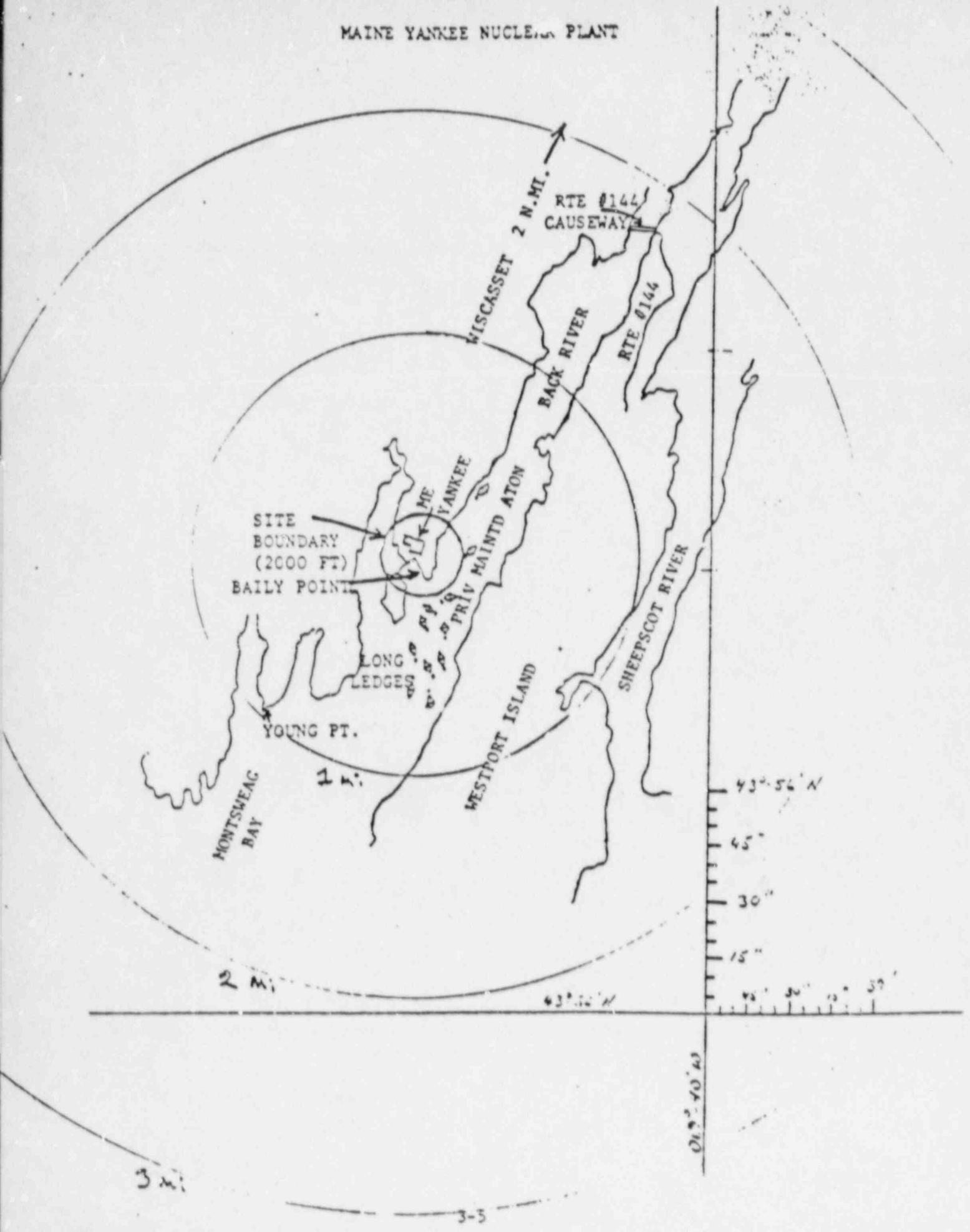
- (1) If safe to do so, deploy station Boothbay Harbor/ Group Portland resources as necessary to enforce safety zone. Assume SMC for deployed Coast Guard units.
- (2) Recall personnel as appropriate.
- (3) Implement emergency evacuation procedures for Station Boothbay Harbor personnel if it becomes necessary.
- (4) If aircraft or additional resources outside the group are needed to enforce the safety zone or to support requests for resources from the IFC, request those resources from the District Operations Center.
- (5) Submit timely SITREPS.
- (6) When emergency classification level is terminated ensure subordinate units are notified.

c. District Operations Center

- (1) Follow procedures for UNUSUAL EVENT and ALERT phases above.
- (2) Ensure that UMIB is promptly issued using the format in Appendix I.
- (3) Assume SMC if district-controlled units or multi-group operations are necessary. Until relieved, however, Group Portland remains SMC for deployed Coast Guard units.

- (4) Respond to requests for personnel and equipment to assist civil defense forces in disaster relief.
- (5) Request Marine Safety Division and Public Affairs Officer man Operations Center. Request other staff members as needed (reference DINST 1601.1).
- (6) Inform Headquarters Flag Plot of situation, keep updated with SITREPS.
- (7) Keep District Commander informed of situation and potentialities.
- (8) When emergency classification level is terminated, notify District Commander, Marine Safety Division, Public Affairs, and Headquarters Flag Plot.

MAINE YANKEE NUCLEAR PLANT



## CHAPTER 4. RESPONSE PROCEDURES: SEABROOK NUCLEAR POWER STATION.

### A. General Information.

1. The Seabrook Nuclear Power Station is located on the western side of Hampton Harbor in southern New Hampshire (see chartlet Page 4-5). Outside of Hampton Harbor, the closest ports are Newburyport to the South, Portsmouth Harbor to the North, and the Isle of Shoals to the Northeast. The boundary between Group/OOTP Boston and Group/OOTP Portland is at Great Boars Head approximately 2.5 nautical miles northeast of the plant. Therefore a SITE AREA or GENERAL EMERGENCY would likely require a safety zone extending into both OOTP zones/Group AOR's. The closest Coast Guard resources are Merrimack River Station and Portsmouth Harbor Station, approximately 9 and 12.5 nautical miles away by sea respectively.

### B. Response Procedures.

#### 1. UNUSUAL EVENT

##### a. MSO Boston.

- (1) Verify and gather information on circumstances surrounding event.
- (2) Notify District Operations Center and pass information as it develops.
- (3) Notify Group Boston, Group Portland and MSO Portland.
- (4) If the emergency classification level is terminated, notify above commands.
- (5) If the emergency classification level escalates, continue with this plan.

##### b. District Operations Center.

- (1) Notify Public Affairs Duty PA.
- (2) Notify Marine Safety Division.
- (3) Consider what units could be deployed if situation were to escalate.
- (4) Notify above personnel if the emergency classification level terminates.
- (5) If the emergency classification level escalates, continue with this plan.

#### 2. ALERT

a. MSO Boston.

- (1) Follow procedures for the UNUSUAL EVENT level above.
- (2) Arrange standby vehicular transportation to the Incident Field Office at Newington Station, Newington, New Hampshire.
- (3) If delays can be anticipated in response of Coast Guard boats, notify the Incident Field Office as soon as possible.
- (4) If the emergency classification level is terminated, notify District and Groups.
- (5) If the emergency classification level is escalated, continue with this plan.

b. Group Boston.

- (1) Review status of resources available for emergency response with MSO Boston and Group Portland. If resources are insufficient to sustain a possible safety zone, notify District Operations Center of the expected shortfall.
- (2) Ensure Station Merrimack River is kept informed of the situation.
- (3) Consider recall of essential personnel.
- (4) Review evacuation plans for Station Merrimack River.

c. Group Portland.

- (1) Review status of resources available for emergency response with MSO and Group Boston. If shortfalls are anticipated, notify District Operations Center.
- (2) Ensure Station Portsmouth Harbor is kept informed of the situation.
- (3) Consider recall of essential personnel.
- (4) Review evacuation plans for Station Portsmouth Harbor.

d. District Operations Center

- (1) Follow procedures for the UNUSUAL EVENT level above.
- (2) Brief District Commander of situation.
- (3) Request Marine Safety Division assist Operations Center in assessing situation and potential for escalation.

- (4) If the emergency classification level is terminated, notify the District Commander, Public Affairs, and Marine Safety Division.
- (5) If the emergency classification level is escalated, continue with this plan.

3. SITE AREA EMERGENCY OR GENERAL EMERGENCY

a. MSO Boston

- (1) Follow procedures for UNUSUAL EVENT and ALERT levels above.
- (2) Dispatch personnel to the Incident Field Office. Upon arrival make presence known to the senior state civil defense official. Report arrival to the COOP.
- (3) When notified by the IFO or State Police that a Site Area Emergency has been declared, the COOP should request the Operations Center establish a 5 mi. safety zone around the plant using the format in enclosure (2).
- (4) Request District Operations Center issue Urgent Marine Information Broadcast.
- (5) If safe to do so, coordinate initial resource deployment with Group Boston. Provide personnel to enforce safety zone according to local plans. Keep MSO Portland and Group Portland informed of situation.
- (6) If evacuation of land area is necessary, consider advisability of closing Route 1 bridge in Portsmouth with COOP Portland.
- (7) Keep District Operations Center informed of situation as it develops.
- (8) When emergency classification is terminated, notify District, Group Boston, Group Portland, and MSO Portland. Request Operations Center to disestablish safety zone and cancel UMIB.

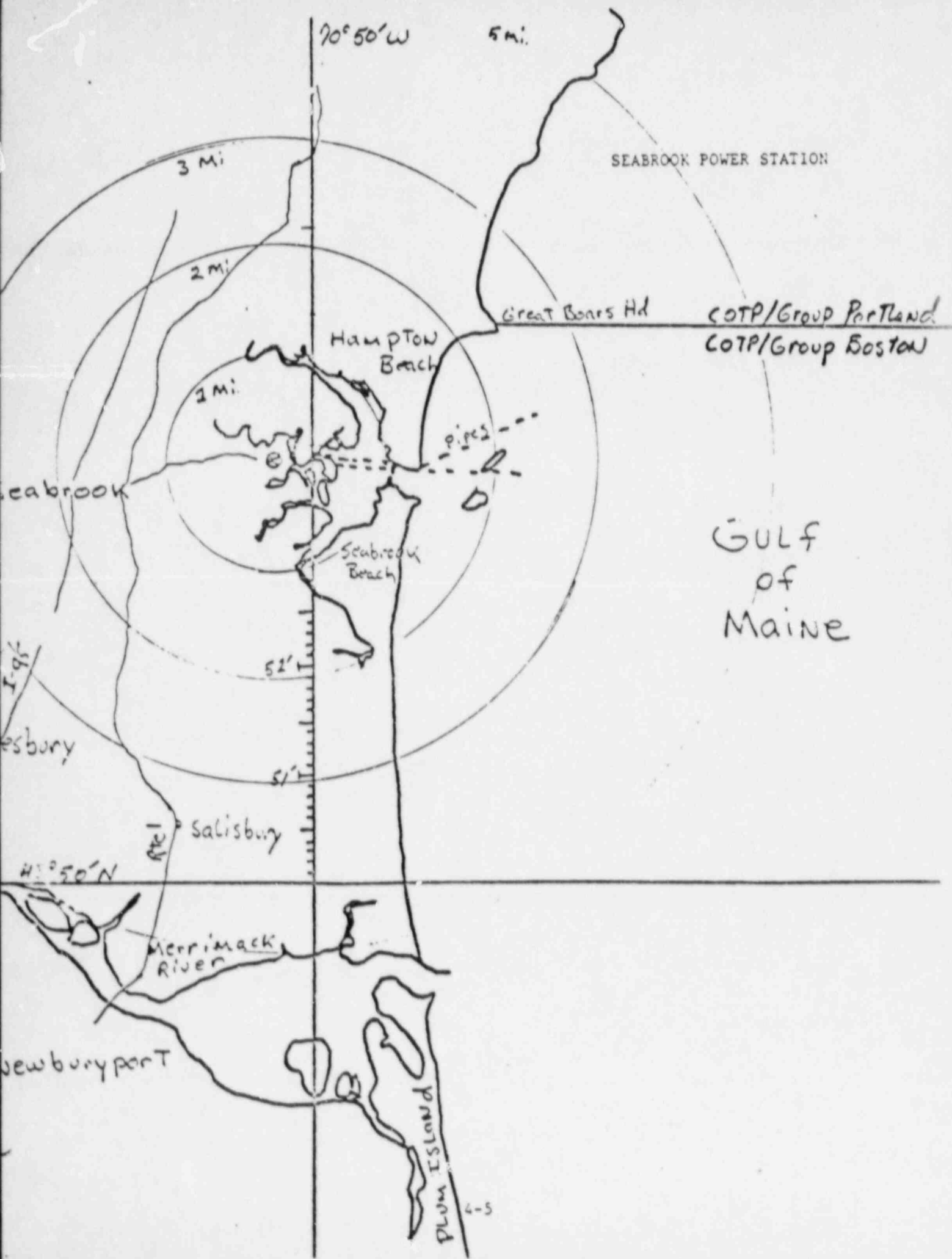
b. Group Boston/Group Portland

- (1) Deploy resources as requested to enforce safety zone. Group Boston assumes SMC for deployed units. Units supplied by Group Portland CHOP to SMC.
- (2) Recall personnel as appropriate.
- (3) Consider evacuation of Stations Merrimack River and Portsmouth Harbor.

- (3) Submit timely SITREPS.
- (4) If aircraft or additional resources outside the Group are needed to enforce the safety zone or to support requests for resources from the IFD, request those resources from the District Operations Center.
- (5) When emergency classification level is terminated ensure subordinate units are notified.

c. District Operations Center

- (1) Follow procedures for UNUSUAL EVENT and ALERT phases above.
- (2) Ensure that UMIB is promptly issued using the format in enclosure (1).
- (3) Assume SMC if district-controlled units or multi-group operations are necessary. Until relieved, however, Group Boston retains SMC for deployed Coast Guard units.
- (4) Request Marine Safety Division and Public Affairs Officer man Operations Center. Request other staff members as needed (reference DIST 1601.1).
- (5) Request Marine Safety Division prepare safety zone order for District Commander's signature according to the format in enclosure (2). The safety zone should follow MSO Boston's recommendations for size and configuration.
- (6) Respond to requests for personnel and equipment to assist civil defense forces in disaster relief.
- (7) Inform Headquarters Flag Plot of situation, keep updated with SITREPS.
- (8) Keep District Commander informed of situation and potentialities.
- (9) When emergency classification level is terminated, notify District Commander, Marine Safety Division, Public Affairs, and Headquarters Flag Plot. Cancel broadcasts and safety zones.





## CHAPTER 5. RESPONSE PROCEDURES: PILGRIM NUCLEAR POWER STATION.

### A. General Information.

1. The Pilgrim Nuclear Power Station is located on Rocky Point at the Southeast end of Plymouth Bay in Massachusetts (see chartlet Page 5-5). The Pilgrim Plant, operated by the Boston Edison Company, has been in operation for a number of years and, as an older plant, has no remote sensors to detect radiation at off-site locations. The plant sits on a headland in a sparsely populated area. The closest port is Plymouth Harbor approximately three miles to the Northwest. The boundary between Group/COTP Boston and Group Woods Hole/COTP Providence is at Manomet Point approximately 2.5 nautical miles southeast of the plant. Therefore a SITE AREA or GENERAL EMERGENCY would likely require a safety zone extending into both COTP zones/Group AORs. The closest resources are at Stations Cape Cod Canal and Situate located approximately 13.1 and 16.6 nautical miles away by sea respectively.

### B. Response Procedures.

#### 1. UNUSUAL EVENT

##### a. MSO Boston.

- (1) Verify and gather information on circumstances surrounding event.
- (2) Notify District Operations Center and pass information as it develops.
- (3) Notify Group Boston, Group Woods Hole, and MSO Providence.
- (4) If the emergency classification level is terminated, notify above commands.
- (5) If the emergency classification level escalates, continue with this plan.

##### b. District Operations Center.

- (1) Notify Public Affairs duty PA.
- (2) Notify Marine Safety Division.
- (3) Consider what units could be deployed if situation were to escalate.
- (4) Notify above personnel if the emergency classification level terminates.

- (5) If the emergency classification level escalates, continue with this plan.

## 2. ALERT

### a. MSO Boston.

- (1) Follow procedures for the UNUSUAL EVENT level above.
- (2) Arrange standby vehicular transportation to the Civil Defense Emergency Operation Center (EDC) in Framingham, Ma.
- (3) If delays can be anticipated in response of Coast Guard boats, notify the EDC as soon as possible.
- (4) If the emergency classification level is terminated, notify District and Groups.
- (5) If the emergency classification level is escalated, continue with this plan.

### b. Group Boston/Group Woods Hole.

- (1) Review status of resources available for emergency response with MSO Boston and Group Boston/Woods Hole (as appropriate). If resources are insufficient to sustain a possible safety zone notify District Operations Center of the expected shortfall.
- (2) Ensure Station Scituate/Cape Cod Canal is kept informed of the situation.
- (3) Consider recall of essential personnel.
- (4) If aircraft or additional resources outside the Group are needed to enforce the safety zone or to support requests for resources from the IFO, request those resources from the District Operations Center.

### c. District Operations Center

- (1) Follow procedures for the UNUSUAL EVENT level above.
- (2) Brief District Commander of situation.
- (3) Request Marine Safety Division assist Operations Center in assessing situation and potential for escalation.
- (4) If the emergency classification level is terminated, notify the District Commander, Public Affairs, and Marine Safety Division.
- (5) If the emergency classification level is escalated, continue with this plan.

3. SITE AREA EMERGENCY OR GENERAL EMERGENCY

a. MSO Boston

- (1) Follow procedures for UNUSUAL EVENT and ALERT levels above.
- (2) Dispatch personnel to the EOC. Upon arrival make presence known to the senior state civil defense official. Report arrival to the COTP.
- (3) If requested by the EOC or State Police, establish a safety zone around the plant. Since Pilgrim emergency plans call for a 10-mile zone which would extend into COTP Providence zone, request Operations Center initiate safety zone using the format in enclosure (2).
- (4) Request District Operations Center issue Urgent Marine Information Broadcast.
- (5) If safe to do so, coordinate initial resource deployment with Group Boston and Group Woods Hole according to local agreement. Provide personnel to enforce safety zone according to local plans, if applicable. Keep MSO Providence advised of situation.
- (6) Keep District Operations Center informed of situation as it develops.
- (7) When emergency classification is terminated, notify District, Group Boston, Group Woods Hole, and MSO Providence. Request Operations Center disestablish safety zone and cancel UMLB.

b. Group Boston/Group Woods Hole

- (1) Deploy resources as requested to enforce safety zone. Group Boston is SMC for deployed units. Units supplied from Group Woods Hole CHOP to SMC.
- (2) Recall personnel as appropriate.
- (3) Submit timely SITREPS.
- (4) If aircraft or additional resources outside the Group are needed to enforce the safety zone or to support requests for resources from the IFO, request those resources from the District Operations Center.
- (5) When emergency classification level is terminated ensure subordinate units are notified.

c. District Operations Center

- (1) Follow procedures for UNUSUAL EVENT and ALERT phases above.
- (2) Ensure that UMIB is promptly issued using the format in enclosure (1).
- (3) Assume SMC if district-controlled units or multi-group operations are necessary. Until relieved, however, Group Boston remains SMC for deployed Coast Guard units.
- (4) Request Marine Safety Division and Public Affairs Officer man Operations Center. Request other staff members as needed (reference DINST 1601.1).
- (5) Request Marine Safety Division prepare safety zone order for District Commander's signature according to the format in enclosure (2). The safety zone should follow MSO Boston's recommendations for size and configuration.
- (6) Respond to requests for personnel and equipment to assist civil defense forces in disaster relief.
- (7) Inform Headquarters Flag Plot of situation, keep updated with SITREPS.
- (8) Keep District Commander informed of situation and potentialities.
- (9) When emergency classification level is terminated, notify District Commander, Marine Safety Division, Public Affairs, and Headquarters Flag Plot. Cancel broadcasts and safety zones.

70° 30' W

PILGRIM NUCLEAR POWER STATION

GURNET PT.

420 N

5 mi.

COTPP / GROUP BOSTON  
COTPP / PROVIDENCE /  
GROUP WOODS HOLE

PLYMOUTH  
BAY

3 mi.

2 mi.

1 mi.

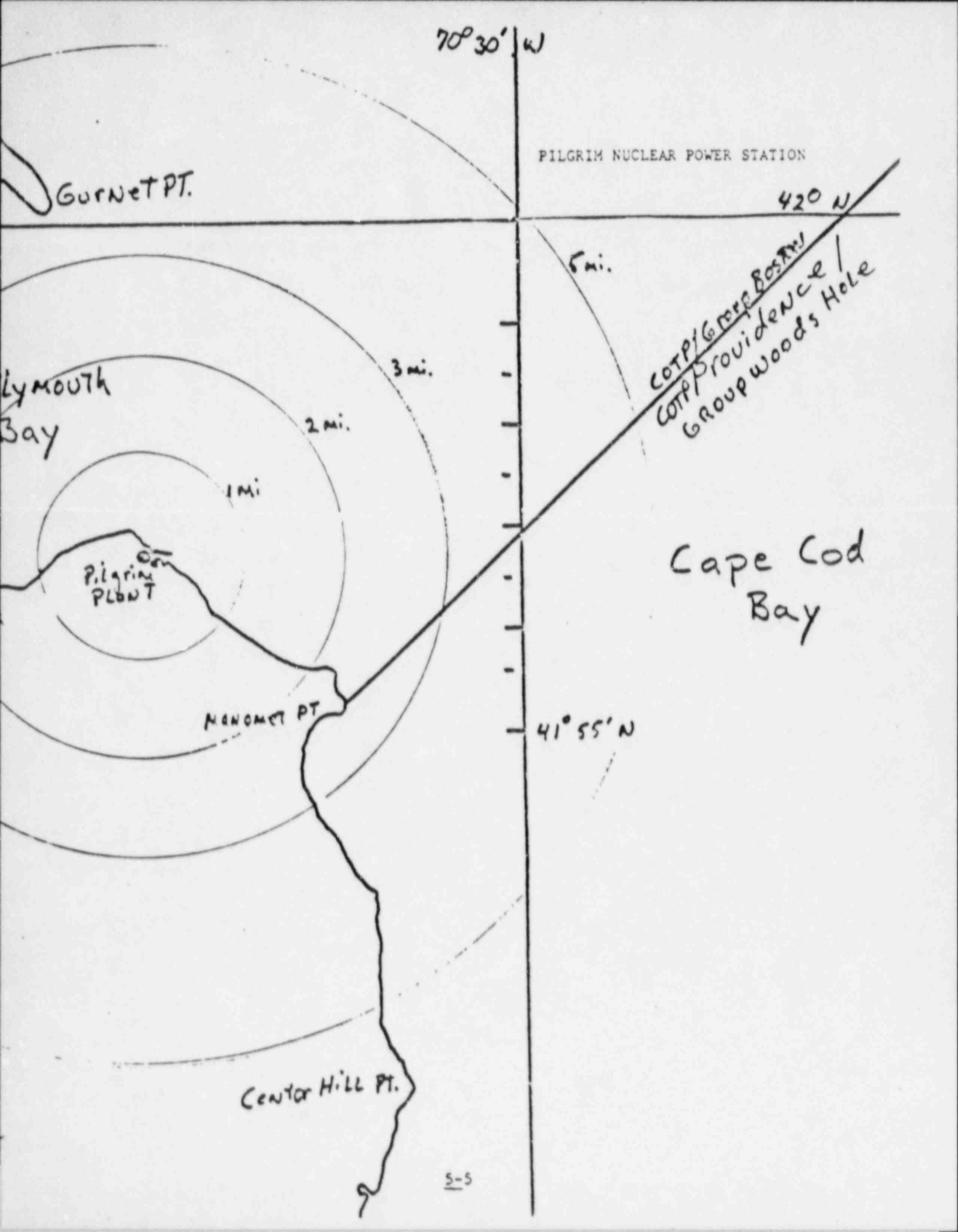
Pilgrim  
PLANT

Cape Cod  
Bay

MANOMET PT.

41° 55' N

Center Hill Pt.



CHAPTER 6. RESPONSE PROCEDURES: UNIVERSITY OF RHODE ISLAND NUCLEAR SCIENCE CENTER.

A. General Information.

1. The URI Nuclear Science Center is located on South Ferry Road in Narragansett, R.I. (see chartlet, Page 6-5). The 2 megawatt reactor at the NSC does not have enough nuclear fuel to create a General Emergency situation where there would be an uncontrolled release of radioactive materials into the environment. Consequently, there should be no necessity of instituting offsite protective actions. The Emergency Planning Zone for a NPP is normally 10 miles; however, the EPZ for the NSC only extends to the boundaries of the reactor building and the basement area north of the reactor building. The closest Coast Guard units are Station Castle Hill and Station Point Judith located approximately 5.5 and 10 nautical miles away by sea respectively.

B. Response Procedures.

1. UNUSUAL EVENT

a. MSO Providence.

- (1) Verify and gather information on circumstances surrounding event.
- (2) Notify District Operations Center and pass information as it develops.
- (3) Notify Commander, Group Woods Hole.
- (4) If the emergency classification level is terminated, notify above commands.
- (5) If the emergency classification level escalates, continue with this plan.

b. District Operations Center.

- (1) Notify Public Affairs duty PA.
- (2) Notify Marine Safety Division.
- (3) Notify above personnel if the emergency classification level terminates.
- (4) If the emergency classification level escalates, continue with this plan.

2. ALERT

a. MSO Providence.

- (1) Follow procedures for the UNUSUAL EVENT level above.
- (2) Arrange standby vehicular transportation to the Emergency Support Center, directly adjacent to the NSC reactor building in Narragansett, Rhode Island.
- (3) If delays can be anticipated in response of Coast Guard boats, notify the Emergency Support Center as soon as possible.
- (4) If the emergency classification level is terminated, notify District and Group Woods Hole.
- (5) If the emergency classification level is escalated, continue with this plan.

b. Group Woods Hole.

- (1) Review status of resources available for emergency response with MSO Providence. If joint resources are insufficient to sustain a possible safety zone notify District Operations Center of the expected shortfall.
- (2) Ensure Station Castle Hill and Station Point Judith are kept informed of the situation.
- (3) Consider recall of essential personnel.

c. District Operations Center

- (1) Follow procedures for the UNUSUAL EVENT level above.
- (2) Brief District Commander of situation.
- (3) Request Marine Safety Division assist Operations Center in assessing situation and potential for escalation.
- (4) If the emergency classification level is terminated, notify the District Commander, Public Affairs, and Marine Safety Division.
- (5) If the emergency classification level is escalated, continue with this plan.

3. SITE /AREA EMERGENCY

a. MSO Providence.

- (1) Follow procedures for UNUSUAL EVENT and ALERT levels above.
- (2) Dispatch personnel to the Emergency Support Center. Upon arrival make presence known to the senior state civil defense official. Report arrival to the COTP.

- (3) If requested by the state civil defense authorities, establish a safety zone around the Center (use enclosure (2) to this plan as an example). Safety zone size should be based on recommendations of state civil defense authorities for "shelter in place" protective measures.
- (4) Request Group Woods Hole release a safety voice broadcast to warn mariners.
- (5) If safe to do so, coordinate initial resource deployment with Group Woods Hole.
- (6) Keep District Operations Center informed of situation as it develops.
- (7) When emergency classification is terminated, notify District and Group Woods Hole. Ensure safety zone is disestablished.

b. Group Woods Hole.

- (1) Deploy resources as necessary to enforce safety zone/support logistics requests. Group Woods Hole is SMC for deployed units. If units are supplied from other groups, CHDP to SMC.
- (2) Recall personnel as appropriate.
- (3) If aircraft or additional resources outside the group are needed to enforce the safety zone or to support requests for resources from the Emergency Support Center, request those resources from the District Operations Center.
- (4) Submit timely SITREPS.
- (5) When emergency classification level is terminated ensure subordinate units are notified.

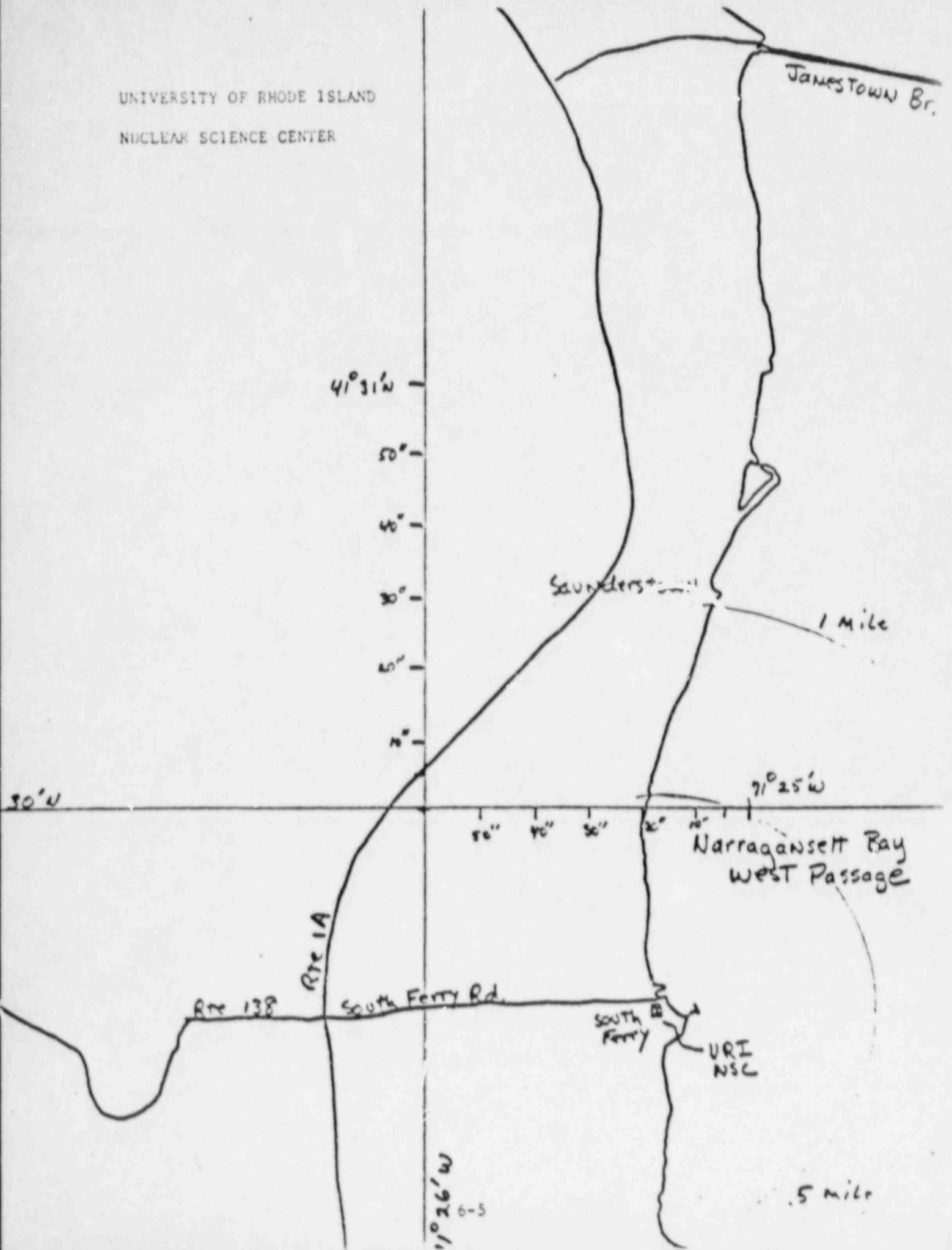
c. District Operations Center

- (1) Follow procedures for UNUSUAL EVENT and ALERT phases above.
- (2) Respond to requests for personnel and equipment to assist civil defense forces in disaster relief.
- (3) Request Marine Safety Division and Public Affairs Officer man Operations Center. Request other staff members as needed (reference DIINST 1601.1).
- (4) Inform Headquarters Flag Plot of situation, keep updated with SITREPS.
- (5) Keep District Commander informed of situation and potentialities.



- (6) When emergency classification level is terminated, notify District Commander, Marine Safety Division, Public Affairs, and Headquarters Flag Plot.

UNIVERSITY OF RHODE ISLAND  
NUCLEAR SCIENCE CENTER



CHAPTER 7. RESPONSE PROCEDURES: SHOREHAM NUCLEAR POWER PLANT

A. General information.

1. The Shoreham NPP is located inland on the North Shore of Long Island, in Brookhaven, New York (see chart 12354). Due to the company's location, approximately 1 mile from the shoreline, the Suffolk County Marine Police will probably need the assistance of the Coast Guard in limiting access to danger zones. The nearest Coast Guard resources are Group/COTP Long Island Sound, Station New Haven and CGC BOLLARD approximately 19 nautical miles north by water; and Port Safety Detachment Port Jefferson approximately 30 miles west by vehicle.

B. Response Procedures.

1. UNUSUAL EVENT

a. COTP/Group Long Island Sound.

- (1) Verify and gather information on circumstances surrounding event.
- (2) Notify District Operation Center and pass information as it develops.
- (3) Notify Group Managers and COTP New York.
- (4) If the emergency classification level escalates continue with this plan.

b. District Operation Center.

- (1) Notify Public Affairs duty PA.
- (2) Notify Marine Safety Division.
- (3) Consider what units could be deployed if situation were to escalate.
- (4) Notify above personnel if the emergency classification level terminates.
- (5) If the emergency classification level escalates, continue with this plan.

2. ALERT

a. COTP/Group Long Island Sound.

- (1) Follow procedures for the UNUSUAL EVENT level above.

- (2) Arrange transportation for OSC qualified representative to LERO Emergency Operation Center (EOC) at the Long Island Lighting (LILCO) Brentwood Operation Center, Brentwood, NY.
- (3) If delays can be anticipated in response of Coast Guard boats, notify the EOC as soon as possible.
- (4) If the emergency classification level is terminated, notify District and Groups.
- (5) If the emergency classification level is escalated, continue with this plan.
- (6) Review status of resources available for emergency response. If resources are insufficient to sustain a possible safety zone, notify District Operation Center of the expected shortfall.
- (7) Recall essential personnel.
- (8) Review emergency evacuation plan for all Coast Guard personnel.

b. District Operation Center.

- (1) Follow procedures for the UNUSUAL EVENT level above.
- (2) Brief District Commander of the situation.
- (3) Request Marine Safety Division assist Operation Center in assessing situation and potential for escalation.
- (4) If the emergency classification level is terminated, notify the District Commander, Public Affairs, and Marine Safety Division.
- (5) If the emergency classification level is escalated, continue with this plan.

3. SITE AREA EMERGENCY OR GENERAL EMERGENCY

a. COTP/Group Long Island Sound.

- (1) Follow procedures for UNUSUAL EVENT and ALERT levels above.
- (2) Dispatch OSC qualified personnel from PSD Port Jefferson to the EOC. Upon arrival make presence known to the senior state civil defense official. Report arrival to the COTP.

- (3) If requested by State authorities, State Police or LERO at EOC establish a safety zone around the plant according to local plans. Safety zone size and location should be based on recommendations of state civil defense authorities for "shelter in place" protective measures; however, as a rule of thumb the size should initially be a 10 nautical mile radius from the plant, inclusive of all territorial waters.
- (4) Initiate local Safety Voice Broadcast and request District Operations Center issue Urgent Marine Information Broadcast.
- (5) If safe to do so, COTP coordinate initial resource deployment with Group LIS. Provide personnel to enforce safety zone according to local plans.
- (6) Deploy resources as necessary to enforce safety zone. Act as SMC for deployed units.
- (7) Submit timely SITREPS.
- (8) Implement emergency evacuation procedures for personnel if it becomes necessary.
- (9) Recall personnel as appropriate.
- (10) If aircraft or additional resources outside the Group are needed to enforce the safety zone, request from the District Operation Center.
- (11) When emergency classification is terminated, notify District, Group Moriches, and COTP New York. Ensure safety zone is disestablished and UMIB is canceled. Notify subordinate units.

c. District Operations Center.

- (1) Follow procedures for UNUSUAL EVENT and ALERT phases above.
- (2) Ensure that UMIB is promptly issued using the format in Appendix I.
- (3) Assume OPCON if District-controlled units or multi-group operations are necessary. Until relieved, Group Long Island Sound remains SMC for deployed Coast Guard units.

- (4) Respond to requests for personnel and equipment to assist civil defense forces in disaster relief.
- (5) Request Marine Safety Division and Public Affairs Officer man Operations Center. Request other staff members as needed (reference DINST 1601.1).
- (6) Inform Headquarters Flag Plot of situation. Keep updated with SITREPS.
- (7) Keep District Commander informed of situation.
- (8) When emergency classification level is terminated, notify District Commander, Marine Safety Division, Public Affairs, and Headquarters Flag Plot.

SHORHAM NUCLEAR POWER PLANT

SNM

Shoreham

Harold Point

72° 50' W

6'

4'

3'

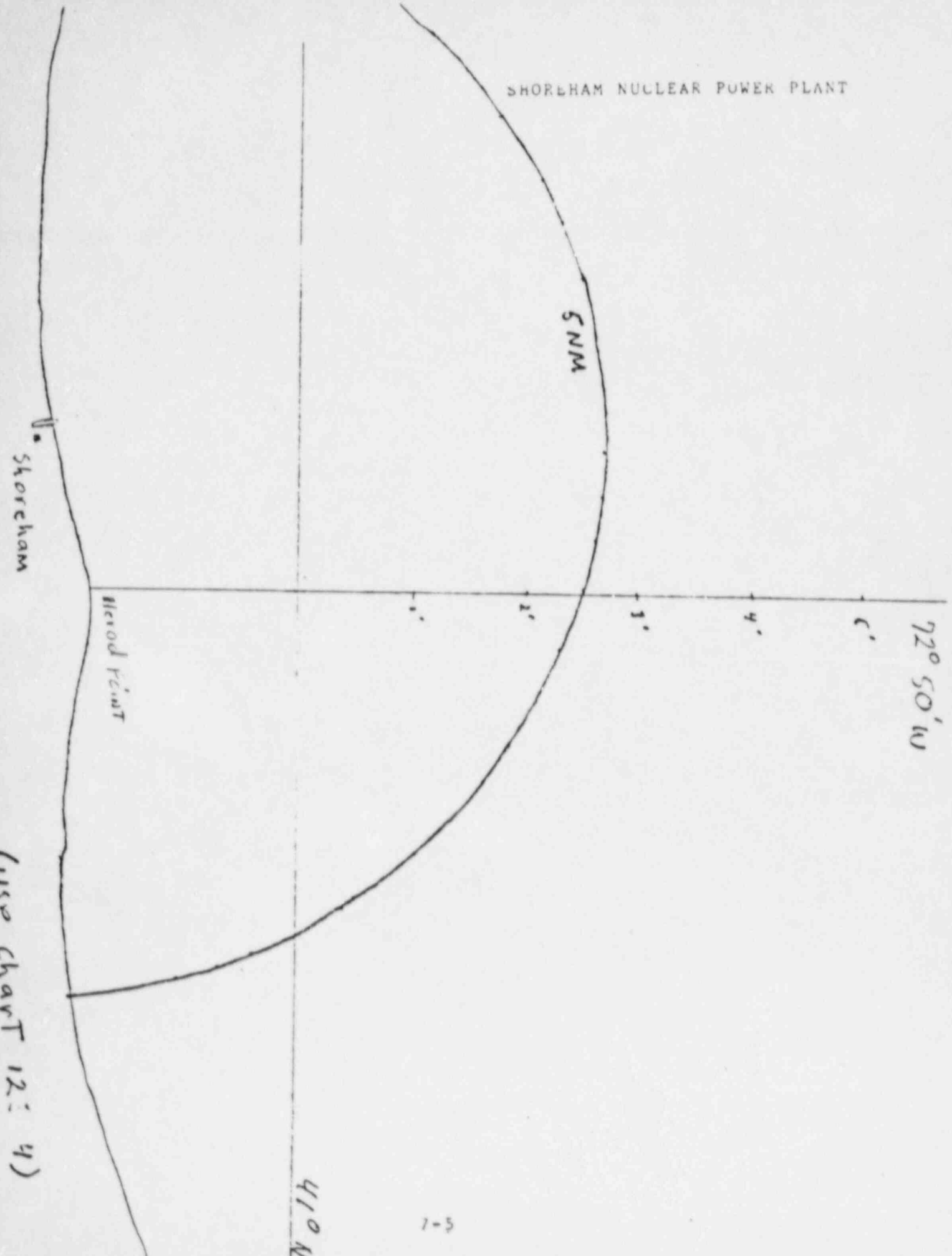
2'

1'

No 11h

7-5

(use chart 12: 4)



CHAPTER 8. RESPONSE PROCEDURES: MILLSTONE NUCLEAR POWER PLANT, CONNECTICUT YANKEE NUCLEAR POWER PLANT, AND SCHENECTADY NAVAL REACTOR PLANT

A. General Information.

1. There are three NPP facilities in the State of Connecticut. Since the state and Federal response structures are similar for all three sites (one COTP zone), these NPPs have been combined for convenience in this one chapter.
  - a. The Millstone NPP is located on Millstone Point, Niantic Bay, at Niantic, Connecticut (see Chart 12372). Due to the plant's location, the Connecticut State Police, New London Police and East Lyme Police will probably need the assistance of the Coast Guard in limiting access to danger zones. Station New London is approximately 7 nautical miles away by water and 10 miles by vehicle to the East. COTP/Group Long Island Sound, Station New Haven and CGC Bollard are approximately 40 nautical miles west by water.
  - b. The Connecticut Yankee NPP is located on the Connecticut River, at Haddam, Connecticut (see Chart 12377). Due to the plant's location, the Connecticut State Police, Haddam Police and East Haddam Police will probably need the assistance of the Coast Guard in limiting access to danger zones. Station New London is approximately 35 nautical miles away by water and 30 miles by vehicle to the East. COTP/Group Long Island Sound, Station New Haven and CGC Bollard are approximately 50 nautical miles west by water.
  - c. The Schenectady Naval Reactor Plant is located near the non-navigable section of the Connecticut River, at Windsor, Connecticut approximately 6 NM above the Hartford Dams. Due to the plant's location, the Connecticut State Police, Hartford Police and East Hartford Police may need limited assistance of the Coast Guard to limit access on the river below the dams. The river below the dams is relatively narrow, easily secured, and assumable by numerous state and local maritime law enforcement platforms. A ten-mile evacuation area would extend south to lat. 41° 44.5'N on the Connecticut River (use chart 12377). Station New London is approximately 55 NM by water from the site and 60 miles by vehicle to the East. Group /COTP Long Island Sound, Station New Haven and CGC Bollard are located approximately 70 nautical miles West by water and 60 miles South by vehicle. Responsibility for control of maritime traffic should emphasize the state and local role.



## Response Procedures.

### 1. UNUSUAL EVENT

#### a. COTP/Group Long Island Sound.

- (1) Verify and gather information on circumstances surrounding event.
- (2) Notify District Operations Center and pass information as it develops.
- (3) If the emergency classification level is terminated, notify above commands.
- (4) If the emergency classification level escalates, continue with this plan.

#### b. District Operations Center.

- (1) Notify Public Affairs duty RA.
- (2) Notify Marine Safety Division.
- (3) Consider what units could be deployed if situation were to escalate.
- (4) Notify above personnel if the emergency classification level terminates.
- (5) If the emergency classification level escalates, continue with this plan.

### 2. ALERT

#### a. COTP/Group Long Island Sound.

- (1) Follow procedures for the UNUSUAL EVENT level above.
- (2) Arrange transportation for OSC qualified representative to the Emergency Preparedness Office, Hartford, Connecticut.
- (3) If delays can be anticipated in response of Coast Guard Boats, notify the Emergency Preparedness Office as soon as possible.
- (4) If the emergency classification level is terminated, notify District.
- (5) If the emergency classification level is escalated, continue with this plan.

- (6) Review status of resources available for emergency response. If resources are insufficient to sustain a possible safety zone notify District Operations Center of expected shortfall.
- (7) Consider recall of essential personnel.
- (8) Review emergency evacuation plan for all Coast Guard personnel.

b. District Operations Center.

- (1) Follow procedures for the UNUSUAL EVENT level above.
- (2) Brief District Commander of the situation.
- (3) Request Marine Safety Division assist Operations Center in assessing situation and potential for escalation.
- (4) If the emergency classification level is terminated, notify the District Commander, Public Affairs, and Marine Safety Division.
- (5) If the emergency classification level is escalated, continue with this plan.

3. SITE AREA EMERGENCY OR GENERAL EMERGENCY

a. COTP/Group Long Island Sound.

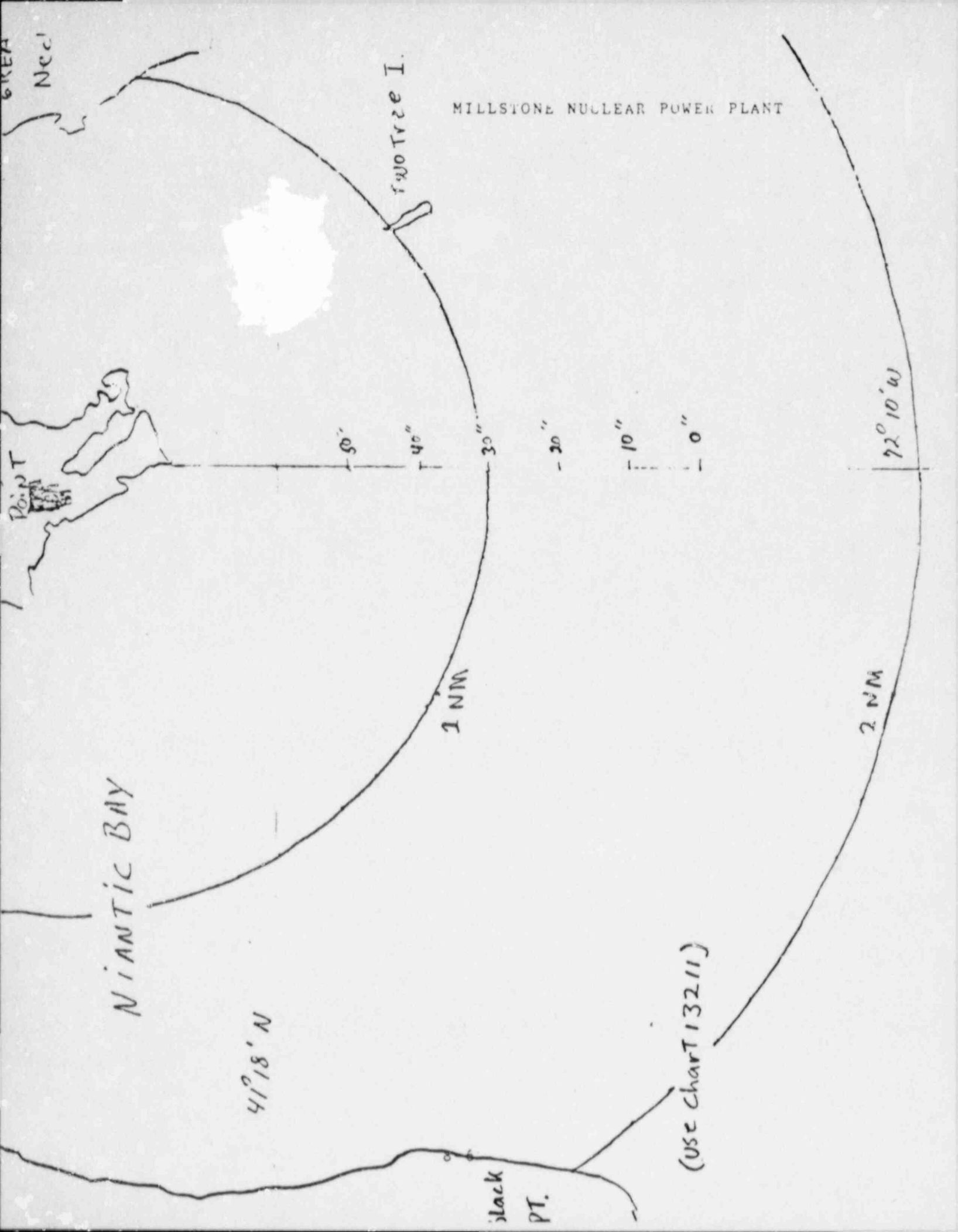
- (1) Follow procedures for UNUSUAL EVENT and ALERT levels above.
- (2) Dispatch OCS qualified personnel to the Emergency Preparedness Office or alternate site if designated. Upon arrival make presence known to the senior state civil defense official. Report arrival to COTP.
- (3) If requested by the Emergency Preparedness Office or State Police, coordinate establishment of a safety zone with COTP around the plant according to local plans. Safety zone size and location should be based on recommendations of the state civil defense authorities for "shelter in place" protective measures; however, as a rule of thumb, the size should initially be a 10 NM radius from the NPP inclusive of all U.S. waters.

- (4) Initiate local Safety Voice Broadcast and request District Operations Center issue Urgent Marine Information Broadcast.
- (5) If safe to do so, deploy group/COTP resources to enforce zone. Act as SMC for deployed units.
- (6) Submit timely SITREPS.
- (7) Recall personnel as appropriate.
- (8) Implement emergency evacuation procedures for personnel if it becomes necessary.
- (9) If aircraft or additional resources outside the Group are needed to enforce the safety zone, request assistance from the District Operations Center.
- (10) When emergency classification is terminated, notify District. Ensure safety zone is disestablished and UMIB is canceled. Notify subordinate units.

c. District Operation Center.

- (1) Follow procedures for UNUSUAL EVENT and ALERT phases above.
- (2) Ensure that UMIB is promptly issued using the format in Appendix I.
- (3) Assume OPCON if district-controlled units or multi-group operations are necessary. Until relieved, Group Long Island Sound remains SMC for deployed Coast Guard units.
- (4) Respond to request for personnel and equipment to assist civil defense forces in disaster relief.
- (5) Request Marine Safety Division and Public Affairs Officer man Operations Center. Request other staff members as needed (reference DINST 1601.1).
- (6) Inform Headquarters Flag Plot of situation, keep updated with SITREPS.
- (7) Keep District Commander informed of situation.
- (8) When emergency classification level is terminated, notify District Commander, Marine

Safety Division, Public Affairs, and  
Headquarters Flag Plot.



6 AREA

Need

MILLSTONE NUCLEAR POWER PLANT

Three I.

Point

NIANTIC BAY

1 NM

2 NM

41° 18' N

Black Pt.

(USE Chart 13211)

50"

40"

30"

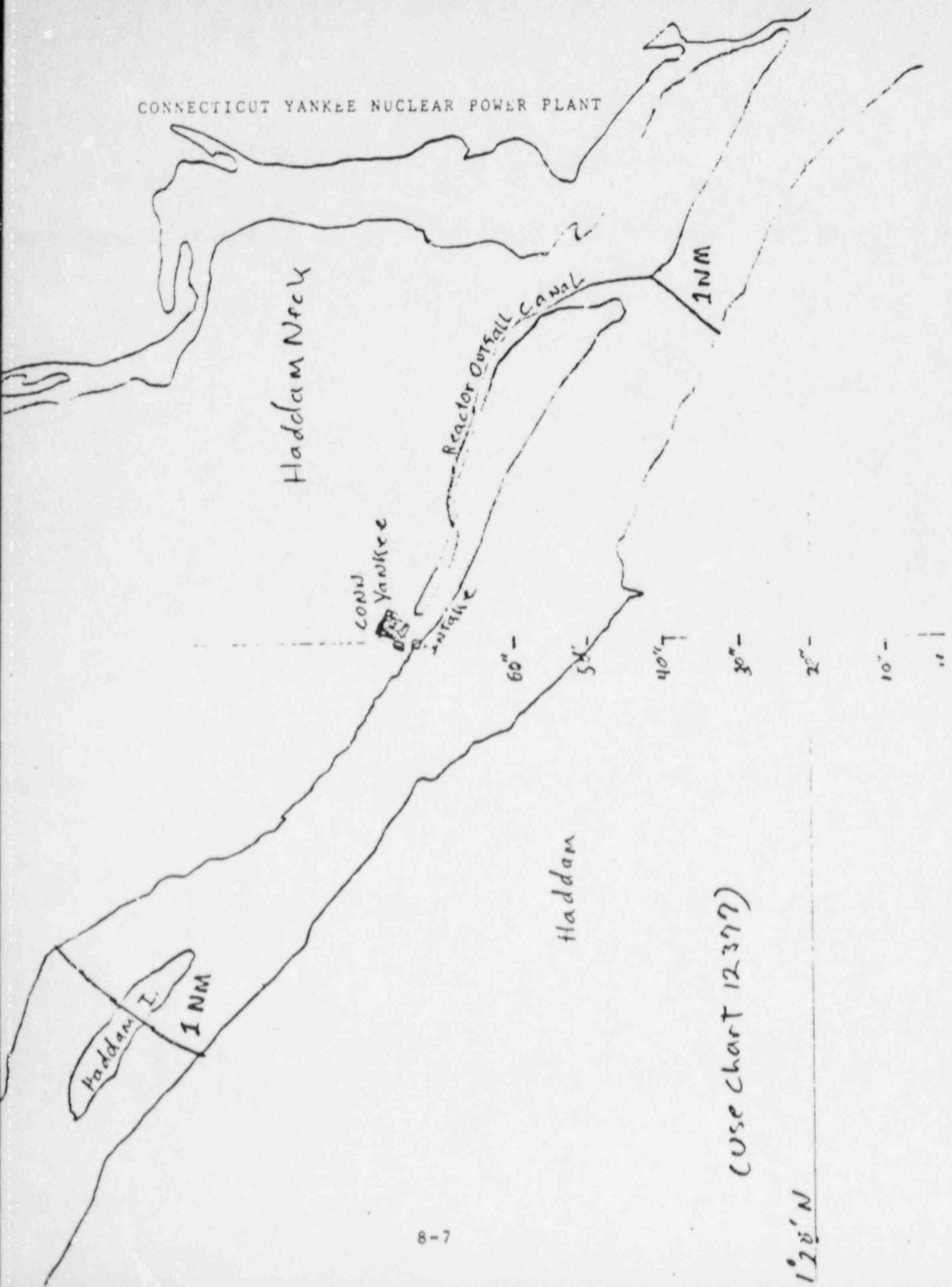
20"

10"

0"

72° 10' W

CONNECTICUT YANKEE NUCLEAR POWER PLANT



SCHENECTADY NAVAL REACTOR PLANT

41° 46' N

East Hartford

50' -

40' - 72° 38' W

30' -

20' -

10' -

0' -

Hartford

CONNECTICUT RIVER

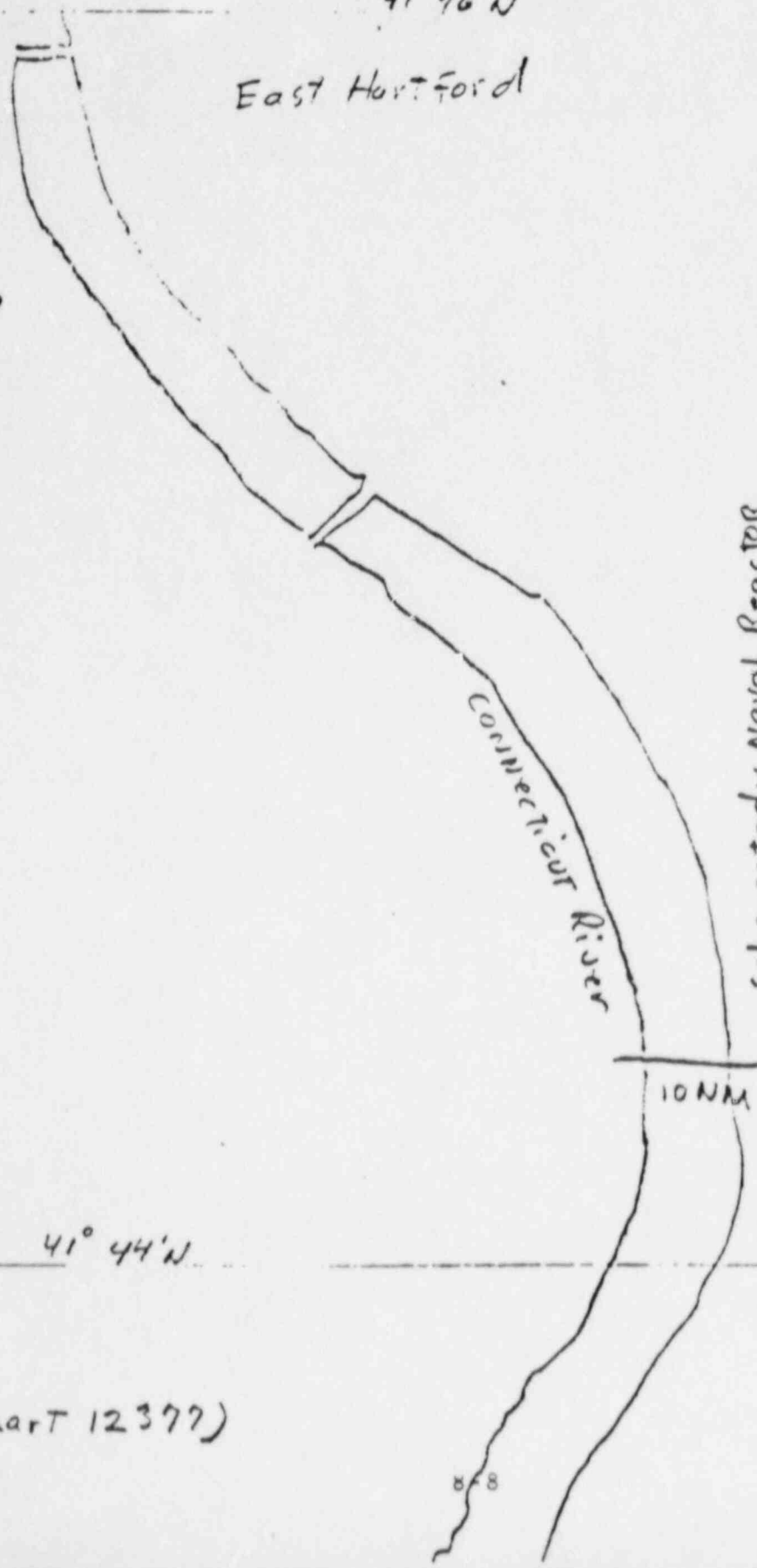
Schenectady Naval Reactor  
10NM UPSTREAM →

10NM

41° 44' N

(Use chart 12377)

8-8



CHAPTER 9. RESPONSE PROCEDURES: INDIAN POINT NUCLEAR POWER PLANT

A. General Information.

1. The Indian Point NPP is located on the East bank of the Hudson River about 24 miles North of the New York City limits at Indian Point, Village of Buchanan in Upper Westchester County, New York (See Chart 12343). Due to the company's location along the tidal section of the Hudson River, the New York State Police will probably need the assistance of the Coast Guard in limiting access to danger zones. Resources are available from COTP/Group New York approximately 35 NM to the South.

B. Response Procedures.

1. UNUSUAL EVENT

a. COTP/Group Long New York.

- (1) Verify and gather information on circumstances surrounding event.
- (2) Notify District Operations Center and pass information as it develops.
- (3) If the emergency classification level is terminated, notify above commands.
- (4) If the emergency classification level escalates, continue with this plan.

b. District Operations Center.

- (1) Notify Public Affairs duty PA.
- (2) Notify Marine Safety Division.
- (3) Consider what units could be deployed if situation were to escalate.
- (4) Notify above personnel if the emergency classification level terminates.
- (5) If the emergency classification level escalates, continue with this plan.

2. ALERT

a. COTP/Group New York.



- (1) Follow procedures for the UNUSUAL EVENT level above.
- (2) Arrange transportation for OSC qualified representative to the Westchester County EOC.
- (3) If delays can be anticipated in response of Coast Guard units, notify the Emergency Operations Center as soon as possible.
- (4) If the emergency classification level is terminated, notify District.
- (5) If the emergency classification level is escalated, continue with this plan.
- (6) Review status of resources available for emergency response. If resources are insufficient to sustain a possible safety zone notify District Operations Center of expected shortfall. The minimum anticipated resources needed to sustain a safety zone are two WYTL's (one up river and one down). Because of there relatively slow speed, considerable lead time is necessary for deployment.
- (7) Consider recall of essential personnel.
- (8) Review emergency evacuation plan for all Coast Guard personnel.

b. District Operations Center.

- (1) Follow procedures for the UNUSUAL EVENT level above.
- (2) Brief District Commander of the situation.
- (3) Request Marine Safety Division assist Operations Center in assessing situation and potential for escalation.
- (4) If the emergency classification level is terminated, notify the District Commander, Public Affairs, and Marine Safety Division.
- (5) If the emergency classification level is escalated, continue with this plan.

3. SITE AREA EMERGENCY OR GENERAL EMERGENCY

a. COTP/Group New York.

- (1) Follow procedures for UNUSUAL EVENT and ALERT levels above.
- (2) Dispatch OCS qualified personnel to the Emergency Operation Center. Upon arrival make presence known to the senior state civil defense official. Report arrival to COTP.
- (3) If requested by the Emergency Operation Center or State Police, establish a safety zone around the plant according to local plans. Safety zone size and location should be based on recommendations of the state civil defense authorities for "shelter in place" protective measures; however, as a rule of thumb, the size should initially be a 10 NM radius from the NPP inclusive of all U.S. waters.
- (4) Initiate local Safety Voice Broadcast and request District Operations Center issue Urgent Marine Information Broadcast.
- (5) If safe to do so, deploy Group/COTP resources to enforce zone. Act as SMC for deployed units.
- (6) Submit timely SITREPS.
- (7) Recall personnel as appropriate.
- (8) Implement emergency evacuation procedures for personnel if it becomes necessary.
- (9) If aircraft or additional resources outside the Group are needed to enforce the safety zone, request assistance from the District Operations Center.
- (10) When emergency classification is terminated, notify District. Ensure safety zone is disestablished and UMIB is canceled. Notify subordinate units.

c. District Operation Center.

- (1) Follow procedures for UNUSUAL EVENT and ALERT phases above.
- (2) Ensure that UMIB is promptly issued using the format in Appendix I.
- (3) Assume OPCON if district-controlled units are necessary. Until relieved, Group New York remains SMC for deployed Coast Guard units.

- (4) Respond to request for personnel and equipment to assist civil defense forces in disaster relief.
- (5) Request Marine Safety Division and Public Affairs Officer man Operations Center. Request other staff members as needed (reference DINST 1601.1).
- (6) Inform Headquarters Flag Plot of situation, keep updated with SITREPS.
- (7) Keep District Commander informed of situation.
- (8) When emergency classification level is terminated, notify District Commander, Marine Safety Division, Public Affairs, and Headquarter Flag Plot.

## CHAPTER 10. PERSONNEL PROTECTION

- A. How Radiation is Measured. Radiation to personnel is usually expressed in "rem" or "milirem" (1/1000 of a rem) units. Rem is an acronym for Radiation Equivalent Man. Older terms for rem are "rad" or "roentgen".
- B. Effects of Nuclear Radiation. Radiation affects organic matter by ionizing (tearing the electrons from) atoms. This process kills or damages the body's cells. If the damage is slight the body can repair or replace most of the cells. Exposure to large amounts of radiation over a short time period, however, will cause radiation sickness which occurs when the bone marrow cannot produce new red blood cells. Radiation sickness may result from short term exposures exceeding 100,000 mrem. Other hazardous effects of radiation on the body are the development of cancers and genetic mutations. These health problems may not appear until many years after exposure to radiation. Tolerance to radiation may vary widely among individuals, however, young children and pregnant women are far more sensitive to the effects of radiation. Therefore, it is extremely important to ensure that female servicemembers who are, or who think they may be, pregnant are protected from radiation exposure.
- C. Exposure Limits. Exposure limits to radiation cannot be expressed in terms of a TLV (Threshold Limit Value) as is the case for chemical exposure because radiation affects the body differently than chemical agents. In other words, there is no known safe upper limit of radiation exposure that persons can be exposed to on a daily basis without serious health effects. It is true that the body can withstand far more radiation if distributed over a long period of time; however, it is not true that the body can completely repair itself after radiation exposure without long term or cumulative adverse health effects. It is fairly well known that short term exposure to 400,000 to 600,000 mrem will result in death to about half of the individuals exposed. Of those who survive the dose, an unknown percentage may suffer the development of malignant cancers or may develop genetic disorders. Relatively little is known about the effects of lower dosages of radiation on a human population so it is difficult to assess what level is safe. The EPA recommends sheltering if the exposure is expected to exceed a range of 1000 to 5000 mrem for whole body exposure. Coast Guard commands should follow these guidelines and should obey evacuation/sheltering directives and recommendations of the state civil defense authorities.
- D. Exposure Protection. Because of the low strength of the fuel source, it is not possible for a NPP to cause a nuclear detonation. As a result the protective measures necessary for a NPP incident are not likely to equal measures for NBC warfare. The most likely radioactive elements released from a NPP incident would be radioactive Xenon and Iodine in gaseous form. Xenon is inert so that it will not react or become stored in human tissue. The hazard of Xenon will pass as it dissipates with the wind. If caught in an area contaminated with radioactive xenon gas, a good protective measure would be to seek shelter such as inside a vehicle or inside the cabin of a boat and leave the area immediately if possible to seek medical care.

Radioactive iodine is reactive. It will settle on clothing and skin where it will continue to emit radiation and damage tissue. Since iodine readily combines with water, it can be washed off using a direct stream of water from on board firefighting systems. It is very important not to ingest radioactive iodine through eating or drinking because it will become stored in the thyroid where it will continue to do damage. Even breathing radioactive iodine gas may cause the iodine to combine with moisture in the respiratory system. If administered before or shortly after exposure, potassium iodide tablets are an effective blocking agent against inhalation of iodide-131. For more information see paragraph E below. Although xenon and iodine are the two most likely radioactive emissions produced in a NPP incident, disasters by their very nature are not predictable. The most effective protection is knowledge of the nature of the situation.

- E. Use of Potassium Iodide in Radiological Response. There are two Federal documents that address the use of potassium iodide: Federal Register Vol 43, No. 242, Dec. 15, 1978, p. 58798 released by HEW and Federal Register, Vol. 50, No. 142, July 4, 1985, P. 30258 released by FEMA. The HEW release reports that use of 100 milligrams (mg) of iodide or 130 mg of potassium iodide appears to maintain effective thyroid blocking of the uptake of radioactive iodide-131 which may be released during nuclear accidents. Tests have shown that the drug is effective within 30 minutes after oral administration. A daily dose of 130 mg potassium iodide is the recommended amount. There is no evidence of adverse effects from doses at these levels. This conclusion is based on years of data at much higher levels. The FEMA report also indicates that taking potassium iodide has been demonstrated as a good action to take. A small fraction of the public may have an allergic reaction to the drug; however the short-term risks are considered to be very small when compared to the risks of radiation exposures during an emergency. If personnel have a known sensitivity to iodine, they should not take potassium iodide tablets and should not be used for response actions where the blocking agent is indicated as a protective measure.

DDONE BOSTON MA

DATE:

O  
FM DDONE BOSTON MA  
TO COGARD COMSTA BOSTON MA  
NWS  
COGARD GROUP  
COGARD GROUP

INFO

BT  
UNCLAS //N167130//  
SUBJ: URGENT MARINE INFORMATION BROADCAST: EMERGENCY AT \_\_\_\_\_ NUCLEAR  
POWER STATION

A. COMDTINST M2000.3 (FIG 14-1)  
1. TEXT: QUOTE "DUE TO AN INCIDENT AT THE \_\_\_\_\_ NUCLEAR POWER  
STATION THE COMMANDER, FIRST COAST GUARD DISTRICT HAS ESTABLISHED A SAFETY  
ZONE EXTENDING \_\_\_\_\_ MILES SEAWARD IN ALL DIRECTION FROM THE  
NUCLEAR POWER STATION LOCATED AT \_\_\_\_\_ IN \_\_\_\_\_."

MARINERS ARE ADVISED THAT NO PERSON OR VESSEL MAY ENTER OR REMAIN WITHIN  
THIS SAFETY ZONE WITHOUT PERMISSION OF THE COMMANDER, FIRST COAST GUARD  
DISTRICT. VESSELS WITHIN THIS ZONE ARE DIRECTED TO IMMEDIATELY PROCEED  
SEAWARD OUT OF THE SAFETY ZONE STAYING UPWIND OF THE POWER PLANT IF  
POSSIBLE. THIS ZONE IS ESTABLISHED FOR THE PROTECTION OF PERSONS FROM THE  
POSSIBLE HAZARDS OF RADIOACTIVE CONTAMINATION. VIOLATORS OF THIS  
REGULATION ARE SUBJECT TO CIVIL AND CRIMINAL PENALTIES."

2. COMSTA BOSTON MAKE UMIB (VOICE/CW) BCST IAW REF A UNTIL CANCELED.  
3. NWS: REQ NWS BOSTON INCLUDE TEXT IN TAPED VHF-FM WX BCST.  
4. COMCOGARDGRU  
MAKE URGENT MARINE BCST VHF-FM FROM

SITE PER REF A THEN EVERY

5. GROUPS: APPROPRIATE COMMAND ALERT FM MAROPS IN YOUR AOR TO SITUATION.  
c. ALL ADDRESSEES OF THIS MESSAGE WILL RECEIVE CANCELLATION NOTIFICATION  
AND TEXT WHEN APPROPRIATE.

BT  
NNNN

DRAFTED BY: \_\_\_\_\_ RELEASED BY:

Enclosure (1)



U. S. COAST GUARD  
COMMANDER, FIRST COAST GUARD DISTRICT  
BOSTON, MA.

Order No. (1) - (2)

(3) NUCLEAR POWER STATION SAFETY ZONE

Due to an incident which occurred at the (3) Nuclear Power Station on (4) the Commander, First Coast Guard District has established a safety zone extending (5) miles seaward in all directions from the (3) Nuclear Power Station reactor building at (6). This zone is established for the protection of persons and vessels from contamination which may result from exposure to the fallout of radioactive material. The zone will remain in effect until canceled.

. Affected vessels are advised to seek shelter in \_\_\_\_\_ or harbor.

No person may remain within or enter this zone without the permission of the Commander, First Coast Guard District.

These regulations are issued pursuant to the authorities found in 33 USC 1225 and 1231, 50 USC 191; 49 CFR 1.46 and 33 CFR 1.05-1(g), 6.04-1, 6.04-6, and 160.5.

Rear Admiral  
U.S. Coast Guard  
Commander, First Coast Guard District

Enclosure (2)

SAFETY ZONE FOOTNOTES

- (1) Sequential number of the order.
- (2) Last two digits of the calendar year.
- (3) The name of the plant.
- (4) Date of the incident.
- (5) Size of the zone in miles based on recommendation of the COTP. **Note:**  
Safety zones are not legally enforceable outside territorial waters.
- (6) Describe the safety zone: "It is circular and extends along the shore from \_\_\_\_\_ to \_\_\_\_\_ (give distance from the closest recognized point or place on shore). This area includes.....(name all harbors, points, beaches and rivers encompassed by the zone)."

Enclosure (2)



SECTION 7.3.2

LETTERS OF  
AGREEMENT

+

COVER

Section 7.3.2

Letters of Agreement

Other

SNPS PNS 8/88



# LONG ISLAND LIGHTING COMPANY

175 EAST OLD COUNTRY ROAD • MICKSVILLE, NEW YORK 11801

MATTHEW C. CORDARO, Ph. D.  
VICE PRESIDENT

December 15, 1983

Mr. Steven Levitt, President  
Marketing Evaluations Incorporated  
14 Vanderventer Avenue  
Port Washington, NY 11050

Dear Mr. Levitt:

This letter will formalize the agreement reached on the telephone December 14, 1983 and incorporate the proposals made by you on September 20 and December 9, 1983.

In the unlikely event of an accident at Shoreham that requires activation of the Prompt Notification System you will verify that each siren has activated.

LILCO will provide you with a siren location map. When requested, you will make phone calls in and around each siren location to verify that they all work. In order to accomplish this in a timely manner, a person from Marketing Evaluations Incorporated will carry an electronic pager that LILCO will provide, and will initiate the response upon notification.

This siren verification survey may be made from either the homes or office of Marketing Evaluations Inc. personnel. The survey will consist of calling two residents in each siren location and asking if they have heard the siren. When it is determined that a siren is not working, you will call the Local Emergency Response Organization Emergency Operations Center at Brentwood and inform them which siren(s) are not functioning. The completion of the survey will be within 90 minutes of pager notification. You will also call the EOC to verify completion of the survey.

This will require having two additional interviewers on call (see below) for the additional 267 calls and the cost will be approximately \$500 for this portion of the project.

In the even more unlikely event that any portion of the public is advised to evacuate, you will perform a survey to verify that evacuation has been implemented.

This will be based on other research you have conducted for LILCO where you have selected a sample in the ten-mile Emergency

LONG ISLAND LIGHTING COMPANY

Mr. Steven Levitt  
December 15, 1983  
Page 2

Planning Zone (EPZ). This sample is comprised of approximately 4,000 residents whose names, addresses and phone numbers are on file. These residents were selected from reverse telephone directories covering all siren locations in the ten-mile area. The sample was pulled with the expectation that you would complete a telephone survey in proportion to the population within two miles, five miles, and ten miles of the plant. Thus, the structure is in place. In order to prepare the sample for a near-term study, you will go back into the directory and verify, add or replace residents. That task will require approximately two weeks and cost \$2,250.

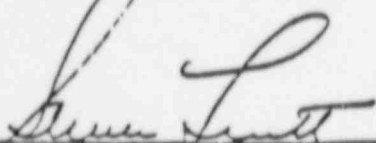
In the event a telephone survey is launched, you have estimated that you could make 1,000 phone calls within a three hour period following receipt of notification. This effort would principally involve categorizing each household into the following groups:

- \* No Answer (assume evacuated)
- \* Busy Signal (assume still home, but arrange call back to verify)
- \* Still At Home (would alert family that evacuation is recommended)

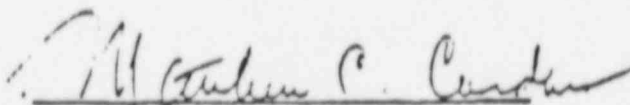
Upon completion of this survey the EOC will again be called with the results.

You have estimated that the cost for completing 1,000 telephone calls would be \$9,000  $\pm$  10%. We assume that the cost for this and the sample updating would increase each year by about five to ten percent.

If the foregoing is an accurate representation of our agreement, please sign one of the enclosed copies and return it to the Long Island Lighting Company.



Steven Levitt, President  
Marketing Evaluations Inc.

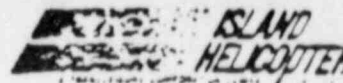


Matthew C. Cordaro Ph.D.  
Vice President  
Long Island Lighting Co.

12/16/83

Dated

Mr. Michael J. Sacca  
Community Relations Department  
Long Island Lighting Company  
550 Stewart Avenue  
Garden City, NY 11530



LETTER AGREEMENT

Island Helicopter Corporation agrees to provide aircraft for use in an emergency upon request from the Long Island Lighting Company in the event of an accident at Shoreham, and for support during drills and exercises.

I. AIRCRAFT

Should an emergency at Shoreham require it, Island Helicopter and its major division New York Helicopter will provide LILCO with those fleet aircraft airworthy and available at the time the aircraft are requested by LILCO. Airworthiness shall pertain to the maintenance status of any particular aircraft. Availability shall be determined in respect to an aircraft's current location if on assignment. Island Helicopter represents that on an average, at least three of its aircraft are available and airworthy at any given time.

II. CURRENT AIRCRAFT INVENTORY

<u>NUMBER OF AIRCRAFT</u>	<u>MODEL</u>	<u>PASSENGER CAPACITY (EACH)</u>
3	Bell Jet Ranger	4
6	Bell Long Ranger	6
2	A-Star	5
1	Twin Star	5
7	Dauphin	9
2	S-58T	14
1	365N	7
TOTAL PASSENGER CAPACITY		161

III. AIRCRAFT UTILIZATION

All airworthy and available aircraft will be put at LILCO's disposal, to be utilized at LILCO's direction for emergency transportation, evacuation route spotting and other traffic control functions. alerting populations should the public warning system fail, evacuation of ill or injured, and any



other purposes that may arise during an emergency. All flight and weather decisions will be the responsibility of the respective aircraft captains.

It is understood that Island's aircraft will operate into and out of any and all approved safe landing areas within close proximity of the Shoreham facility.

All flights will be conducted within the scope of existing regulations, including the operating policies of Island Helicopter Corporation.

It will be the responsibility of LILCO to insure that all aircraft utilization is safe in regards to radioactive, thermal or associated exposure which in any way could present harm or damage to the physical well being of Island crew members, maintenance crews, subcontractors and the specific aircraft utilized. In this regard, LILCO will train Island personnel regarding possible radiation exposure and on the use of dosimeters.

#### IV. EMERGENCY SERVICE IMPLEMENTATION

When the need for such service arises, it shall be coordinated through Island operations in Garden City, New York.

The primary contact will be Kathy Murphy, Manager of Operations, at 516 294-0355.  
216-3355

At that time, the level of emergency will be described by LILCO, and the approximate number of aircraft deemed necessary to respond will be requested. If the entire fleet is required, LILCO will so state upon notification of Island. Aircraft on the ground will be dispatched immediately. Aircraft in service will be dispatched as soon as possible (ASAP).

#### V. FLIGHT CO-ORDINATION

In the event of a major emergency requiring extensive use of Island aircraft, Island will set up a command and control center ( to be named ). This center will coordinate with the Local Emergency Response Organization (LERO) to facilitate effective communications between LERO and the operating aircraft.



## VI. AIRPLANE OPERATIONS

Should the need arise for long-range transportation, Island will provide jet services thru its division, Business Jet Airlines. The following equipment would be available:

<u>NUMBER OF AIRCRAFT</u>	<u>MODEL</u>	<u>PASSENGER CAPACITY (EACH)</u>
1	Gates Lear Jet 24	6 Passenger
2	Gates Lear Jet 25	8 Passenger
1	Lockheed Jet Star II	9 Passenger

The Lear Jets are configured for aerial ambulance flights.

## VII. COST

The cost for the abovementioned services will be on a cost-incurred basis plus monthly retainer.

The retainer will be \$1,500.00, billable monthly, beginning the month in which the plant goes on-line and begins commercial operation. The cost of aircraft utilized will be derived based upon the then current agreed pricing found within the purchase order agreement between LILCO and Island Helicopter Corporation, to be revised by the parties periodically as set out in the purchase order agreement. Any additional charges for actual utilization will reflect actual costs incurred by Island to mobilize this emergency effort, as follows:

1. Overtime costs attributed to existing crews as well as off-duty crews necessary to fulfill LILCO's request for assistance.
2. On-site maintenance personnel for the purpose of continued aircraft availability once in emergency service.
3. Any costs inherent to mobilization/de-mobilization of a command and control center set up pursuant to paragraph V of this agreement.

## VIII. SERVICE COVERAGE

The implementation plan would provide coverage on a





365 day, 24 hour basis. Response times will be immediate during normal business hours of 0630 through 1900 hours, subject to availability of airworthy aircraft. Before or after business hours, response times will be extended consistent with the effort necessary to obtain full operating strength, expected within 1 to 4 hours.

Island shall maintain an emergency response program whereby crews are tele-electronically alerted, assembled at convenient locations, and subsequently flown to Garden City (when necessary) in order to insure rapid aircraft response.

Island Helicopter Corporation will consult with LILCO in respect to landing site selection and any other pre-planning stages, including participation in drills and exercises, to insure a comprehensive emergency response program.

IX. FORCE MAJEURE

Except as otherwise specifically provided in this agreement, neither party shall be liable for any delay or failure in the performance of any services or other obligations under this agreement due to the following causes beyond their control: Acts of God, (including without limitation weather conditions), fire, floods, strikes, riots, insurrection, war or acts of public enemies. Each party shall give to the other prompt notice of any events of force majeure, and shall use its reasonable best efforts to minimize the extent and effect of any such event.

X. TERM OF AGREEMENT

This Agreement shall commence on the date of execution by both parties, and shall continue from year-to-year thereafter, until terminated by either party upon not less than one (1) year's prior written notice to the other.





XI. INSURANCE - See attached exhibits for insurance coverage.

ACCEPTED AND AGREED

LONG ISLAND LIGHTING COMPANY

BY: Michael J. Sacca

TITLE: Vice President

DATE: 12/19/83

ISLAND HELICOPTER CORPORATION

BY: [Signature]

TITLE: VP Sales

DATE: 12/19/83

SECTION 8.1

NYS EBS

COVER SHEET

Section 8.1

State of New York

Emergency Broadcast System Network

SNPS PNS 8/88

SECTION 8.1.1

NYS EBS

PARTICIPATING  
STATIONS

+

COVER

Section 8.1.1

Nassau and Suffolk Counties New York State EBS  
Participating Stations

SNPS PNS 8/88

ANNEX B

BROADCAST STATIONS IN THE NASSAU AND SUFFOLK COUNTIES NEW YORK EBS OPERATIONAL AREA

<u>CITY</u>	<u>STATION</u>	<u>PHONE</u>
BABYLON	WOLI	(516) 669-1290
	WNYG, WBAB-FM	661-4000
	WXBA (FM)	435-2201
	WCWP (FM)	299-2626
	WOEB	623-1240
	WBAU (FM)	747-4757
	WHPC (FM)	222-7000
	WLIH (FM)	485-9200
	WLIW (TV)	222-2140
	WVHB (FM)	
HAMPTON BAYS HEMPSTEAD	WHLI	481-8000
	WKJY (FM)	481-0798
	WVHC (FM)	489-8870, 560-3389
	WGSM	423-6740
	WLIX	666-2200
	WSHR (FM)	737-3000
	WTFM (FM)	(212) 357-8000
	WTHE	(516) 742-1520
	WCBS (AM/FM/TV)	(212) 975-4321
	WALK (AM/FM)	(516) 475-5200
JUNTINGTON LSLIP LAKE RONKONKOMA LAKE SUCCESS NEOLA NEW YORK PATCHOGUE	WBLI (FM)	475-1061
	WYFA	475-1580
	WSNL-TV	582-6700
	WPOB (FM)	938-5400
	WRCN (AM/FM)	727-1570
	WRIV	727-1200
	WLNG (AM/FM)	725-2300
	WOTO (FM)	423-6729
	WNPJ (FM)	283-5200
	WQWZ (FM)	921-8850
PLAINVIEW RIVERHEAD SAG HARBOR SMITHTOWN SOUTHAMPTON YOSSET STONY BROOK TIX HILLS	WJST (FM)	421-4530
	WJST (FM)	
	WJST (FM)	
	WJST (FM)	
	WJST (FM)	

SECTION 8.1.2

NYS EBS

CPCS-1 DESIGN

REPORT

+

COVER

Section 8.1.2

Nassau and Suffolk Counties New York State EBS

CPCS-1 Design Report

SNPS PNS 8/88



COHEN AND DIPPELL, P. C.

ENGINEERING REPORT RE  
FIELD STRENGTH MEASUREMENT SURVEY  
OF RADIO STATION WCBS, NEW YORK, NEW YORK  
880 KHZ, 50 KW, ND-1  
FOR LONG ISLAND LIGHTING COMPANY  
JUNE 1987

COHEN AND DIPPELL, P. C.

City of Washington )  
 )ss  
District of Columbia )

Ralph E. Dippell, Jr., being duly sworn upon his oath,  
deposes and states that:

He is a graduate electrical engineer, a Registered Professional Engineer in the District of Columbia, and Vice President of Cohen and Dippell, P.C., Consulting Engineers, Radio - Television, with offices at 1015 15th Street, N.W., Suite 703, Washington, D.C. 20005;

That his qualifications are a matter of record in the Federal Communications Commission;

That the attached engineering report was prepared by him or under his supervision and direction and;

That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts, he believes them to be true.

*Ralph E. Dippell, Jr.*

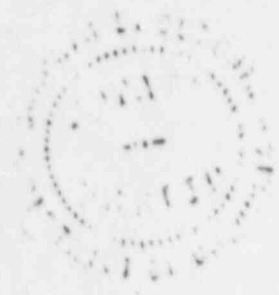
Ralph E. Dippell, Jr.  
District of Columbia  
Professional Engineer  
Registration No. 1385

Subscribed and sworn to before me this 25<sup>th</sup> day  
of June, 1987.

*Carol J. Cutler*

Notary Public  
My Commission Expires

February 29, 1988



COHEN AND DIPPELL, P. C.

This engineering report has been prepared on behalf of Long Island Lighting Company (LILCO) to provide the results of field strength measurements conducted in a specific area on radio station WCBS, New York, New York. The purpose of the field strength measurements was to determine the signal level of WCBS in the Emergency Planning Zone (EPZ) area associated with the LILCO power facility at Shoreham, New York.

WCBS operates on 880 kHz with a power level of 50 kW and utilizes the same non-directional antenna system both day and night. Under the FCC Rules, WCBS is designated as a Class I-A, clear channel station and operates with the maximum permissible power for AM stations. Class I stations are protected to their 0.1 mV/m groundwave contour during daytime from co-channel stations and to the 0.5 mV/m groundwave contour from adjacent channel stations. During the nighttime operation they are afforded protection to the 0.5 mV/m 50% skywave contour from co-channel stations and to the 0.5 mV/m groundwave contour from adjacent channel stations.

The measurements were made by Robert W. Guill and Sudhir K. Khanna of Cohen and Dippell, P.C. in accordance with Section 73.186 of the FCC Rules (Code of Federal Regulations 47). Two Potomac Instruments field intensity meters were utilized: Type FIM-21, Serial Number 385 calibrated by the manufacturer on

April 16, 1987, and FIM-41, Serial Number 117 calibrated by the manufacturer on September 12, 1986. The two meters were compared and found to be in close agreement.

An analysis of the field strength measurements shows WCBS provides a maximum signal level of 2.35 mV/m and a minimum signal level of 0.58 mV/m to the EPZ area. Based on the measured radial method for determining AM service, the WCBS 0.5 mV/m contour extends to a distance of 105 kilometers from the WCBS transmitter site. The distance to other contours can be determined by reference to the attached graph of field strength versus distance.

A 0.5 mV/m signal is the FCC required for primary service to rural areas and communities with population less than 2500 persons, and this WCBS contour covers the entire EPZ. However, a signal strength of 2 mV/m is required by the FCC standards to serve communities with population in excess of 2500 persons including "Census Designated Places" (CDP's). The EPZ consists of numerous CDP's and communities in excess of 2500 persons.

The WCBS transmitter site is located on City Island in Bronx, New York. The nearest accessible land location was in the Sands Point/Manorhaven area of Nassau County approximately 4.8 kilometers from the WCBS transmitter site. The field strength measurements were made beginning at this point on a

bearing of N 87°E and continued through the EPZ area to a location north of Southampton approximately 105 kilometers from the WCBS transmitter site.

This report includes a tabulation of the WCBS field strength measurements for the N 87°E radial which shows the point number, distance from the transmitter in kilometers, the date and time, and the 50 kW non-directional field strength in mV/m.

The values of measured field strength were plotted against distance on log-log graph paper to determine the inverse distance field. These plotted points were then compared to the theoretical curves of field intensity versus distance, and the curves closest fitting the data were drawn on the attached graph. The set of theoretical curves for this comparison is Graph 10 of Section 73.184 of the FCC Rules.

The graph of field strength versus distance and maps showing the measurement point locations are attached to this report. In addition a coverage map has been included showing the WCBS measured 0.5 mV/m and 2 mV/m contours in relation to the EPZ area.

## COHEN AND DIPPELL, P. C.

TABULATION OF  
FIELD STRENGTH MEASUREMENTS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1  
JUNE 1987

N 87°E

<u>Point</u> <u>Number</u>	<u>Distance</u> km	<u>Date</u>	<u>Time</u>	<u>Field Strength</u> mV/m
1	4.8	5/20	1317	580
2	5.1	"	1320	295
3	5.6	"	1322	370
4	6.0	"	1326	460
5	6.4	"	1331	305
6	7.0	"	1335	225
7	7.7	"	1341	145
8	8.5	"	1345	100
9	11.3	"	1230	170
10	12.1	"	1224	132
11	12.6	"	1220	135
12	13.2	"	1215	152
13	14.3	"	1159	106
14	15.3	"	1155	80
15	17.2	"	1151	40
16	18.2	"	1147	33
17	19.1	"	1144	37
18	20.8	"	1134	21
19	22.0	"	1128	17.5

## COHEN AND DIPPELL, P. C.

TABULATION OF  
FIELD STRENGTH MEASUREMENTS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1  
JUNE 1987

N 87°E

<u>Point Number</u>	<u>Distance km</u>	<u>Date</u>	<u>Time</u>	<u>Field Strength mV/m</u>
20	23.5	5/20	1123	15.0
21	25.7	"	1115	12.5
22	29.0	"	1105	11.7
23	31.5	"	1056	8.5
24	35.2	"	1044	7.2
25	38.6	"	1037	4.7
26	42.6	"	1021	4.2
27	45.7	"	1013	3.20
28	48.1	"	1007	5.40
29	49.9	"	958	2.45
30	52.9	"	938	2.00
31	56.5	6/3	1240	2.05
32	58.9	"	1256	1.30
33	62.4	"	1306	2.20
34	63.1	"	1318	2.35
35	65.2	"	1325	1.35
36	68.5	"	1428	1.05
37	71.0	"	1445	1.30
38	74.0	"	1456	0.68

## COHEN AND DIPPELL, P. C.

TABULATION OF  
FIELD STRENGTH MEASUREMENTS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1  
JUNE 1987.

N 87°E

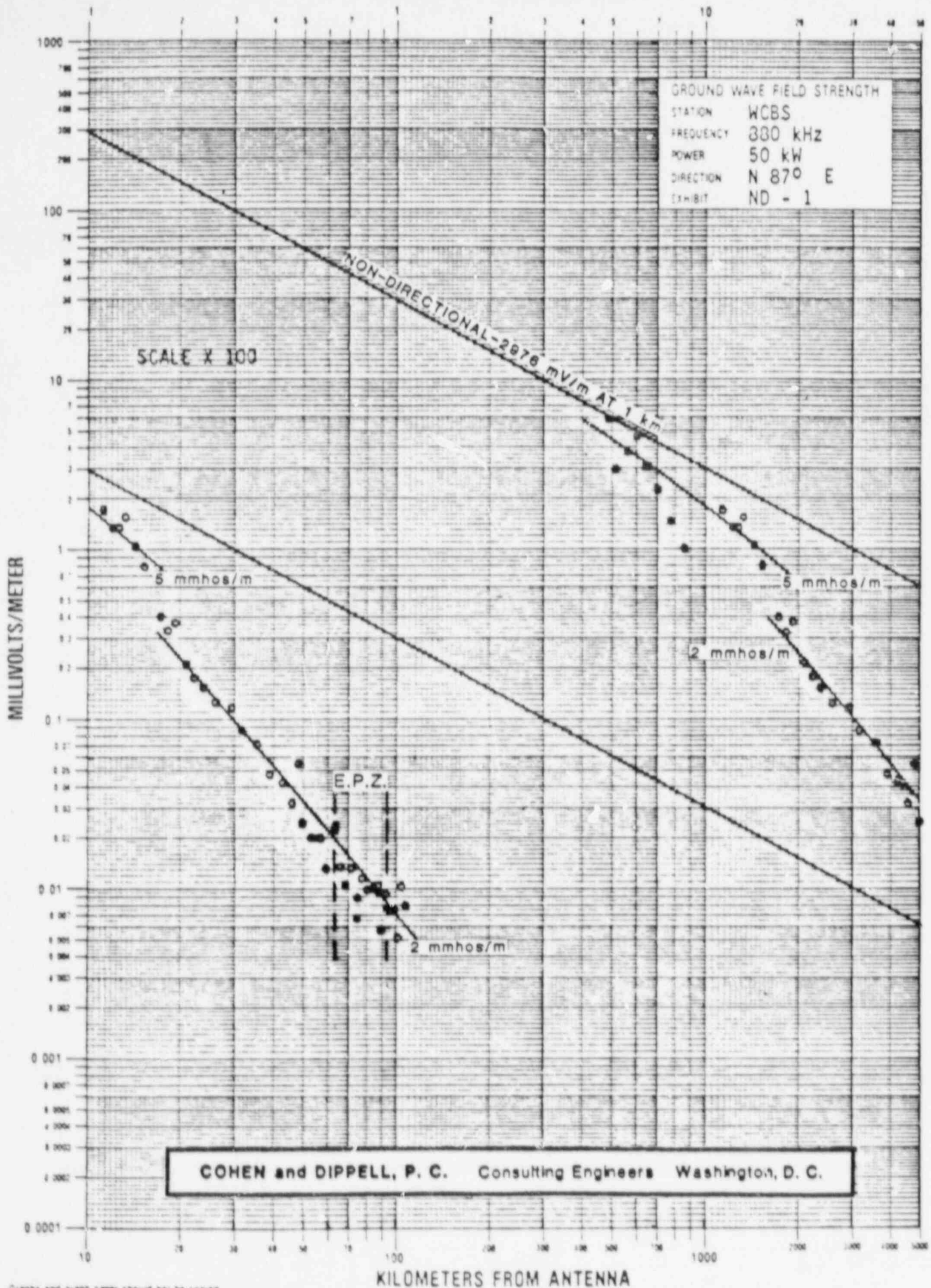
<u>Point Number</u>	<u>Distance km</u>	<u>Date</u>	<u>Time</u>	<u>Field Strength mV/m</u>
39	74.3	6/3	1459	0.89
40	77.2	"	1515	1.15
41	80.9	6/4	1106	1.00
42	83.7	"	1115	1.00
43	87.0	"	1125	0.96
44	87.7	"	1131	1.03
45	89.9	"	1140	0.58
46	92.7	"	1145	0.92
47	93.6	"	1155	0.78
48	95.4	"	1202	0.75
49	98.0	"	1210	0.76
50	100.7	"	1230	0.52
51	103.5	"	1218	1.03
52	105.1		1225	0.79

Point locations 1 through 30 measured by Robert W. Guill and Sudhir K. Khanna utilizing a Potomac Instruments field intensity meter, Type FIM-41 (SN 117) calibrated by the manufacturer on September 12, 1986.

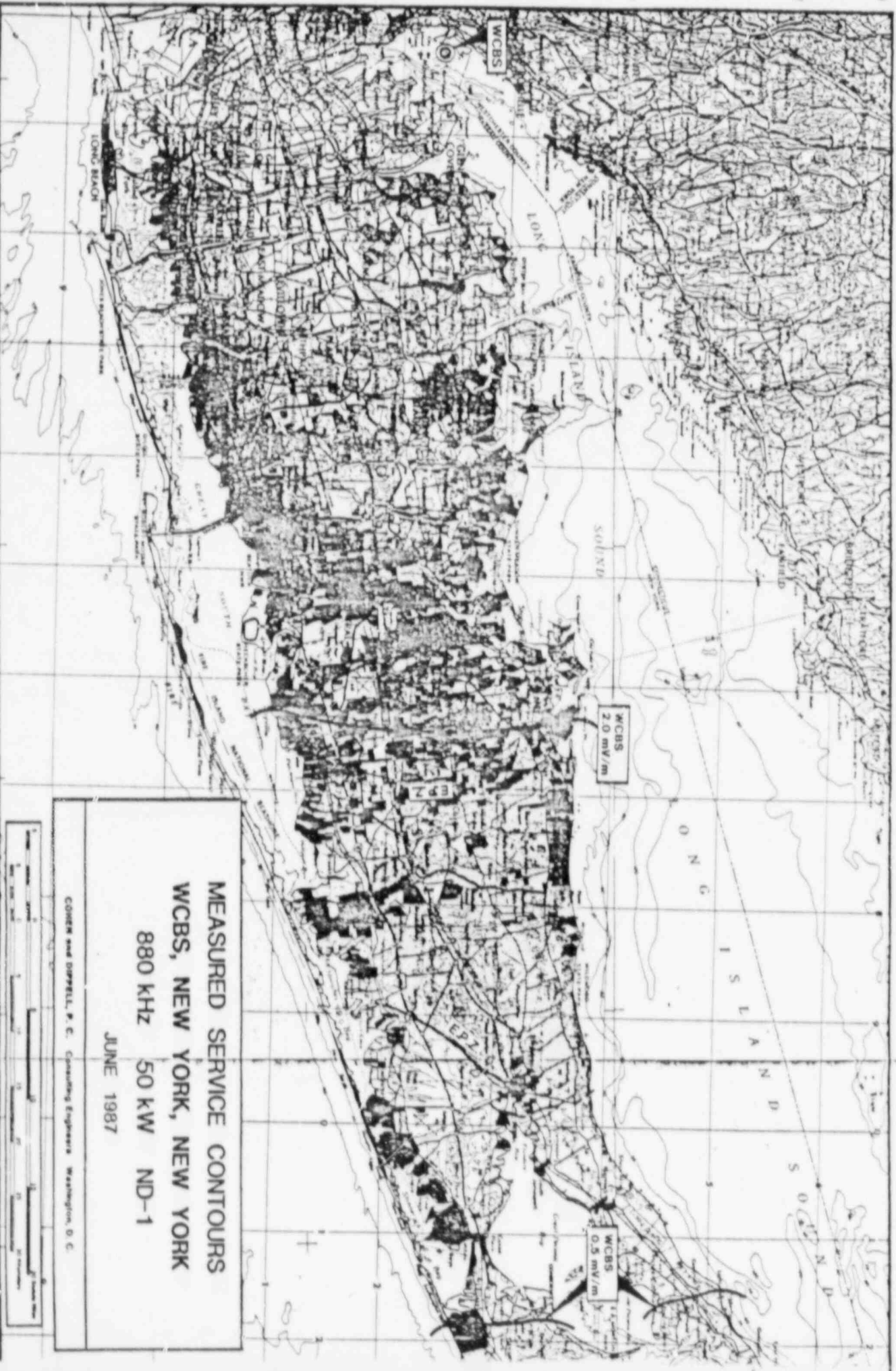
Point locations 31 through 52 measured by Robert W. Guill utilizing a Potomac Instruments field intensity meter, Type FIM-21 (SN 385) calibrated by the manufacturer on April 16, 1987.



KILOMETERS FROM ANTENNA



Graphs and graph paper should not be copied. Office copies introduce geometric distortions which will affect accuracy. Copies for sub mission to the FCC and station files should only be made after all data have been plotted.



**MEASURED SERVICE CONTOURS  
 WCBS, NEW YORK, NEW YORK  
 880 KHZ 50 KW ND-1**

JUNE 1987

CONNER and OPPRELL, P. C. Consulting Engineers Washington, D. C.

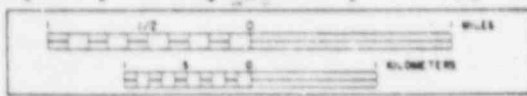


N 87° E

MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1

JUNE 1957

COHEN and DWYLL, F. C. Consulting Engineers Washington D. C.



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WASHINGTON, D. C.

FLUSHING N.Y.  
GEOLOGICAL SURVEY  
WASHINGTON, D. C.





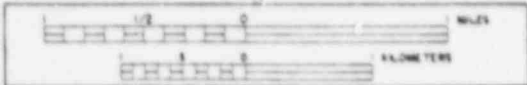
LONG ISLAND SOUND

N 87° E

MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1

JUNE 1987

COWI and SWPPELL, P. C. Consulting Engineers, Washington, D. C.

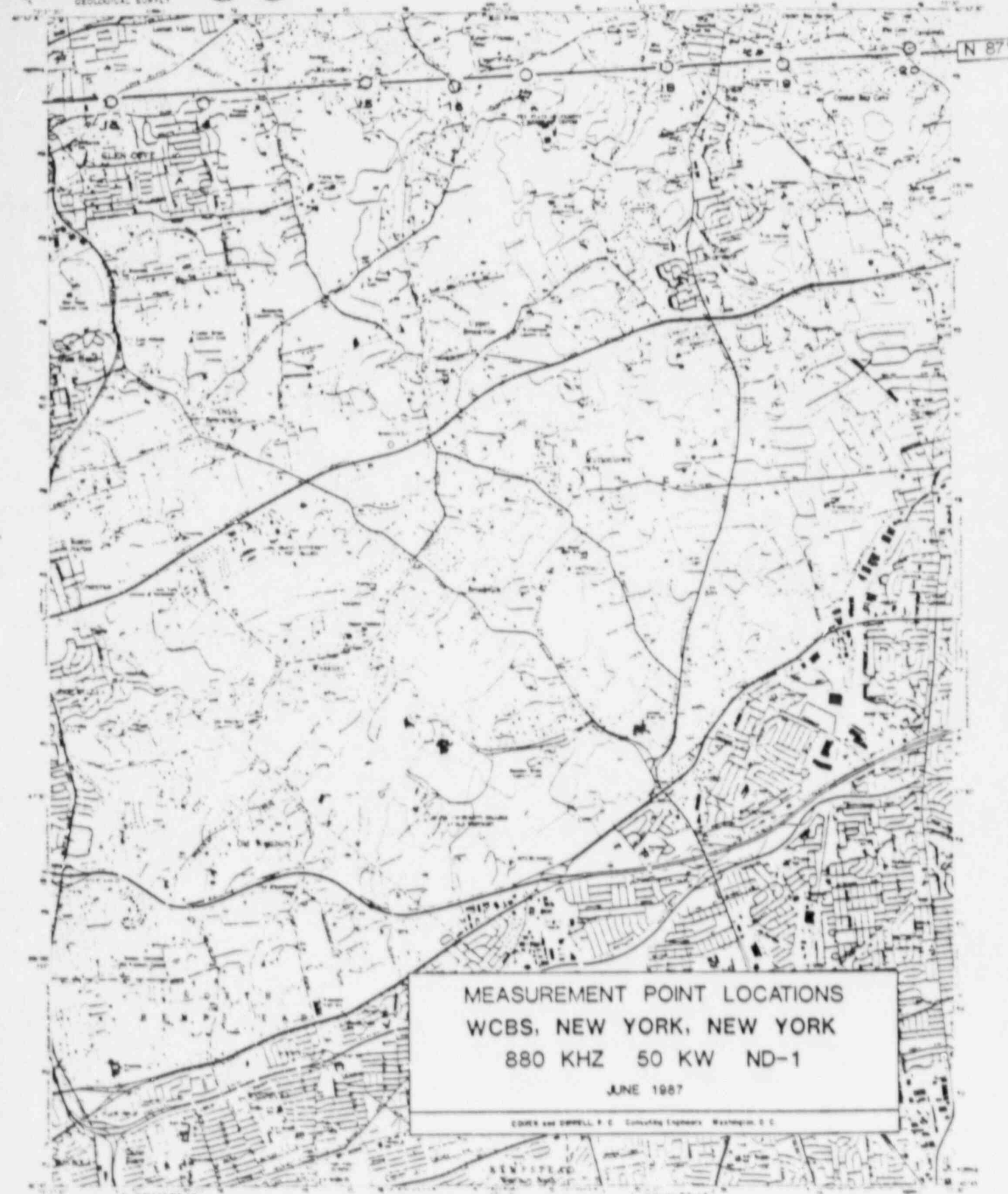


EXPLANATION  
1. Contour interval 10 feet  
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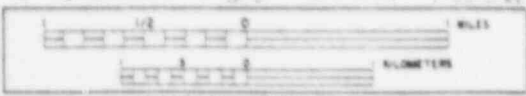
SEA CLIFF N.Y.  
SCALE 1:50,000  
DATE 1987



N 87° E



MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1  
JUNE 1987  
COHEN and DRPPELL, P. C. Consulting Engineers, Washington, D. C.

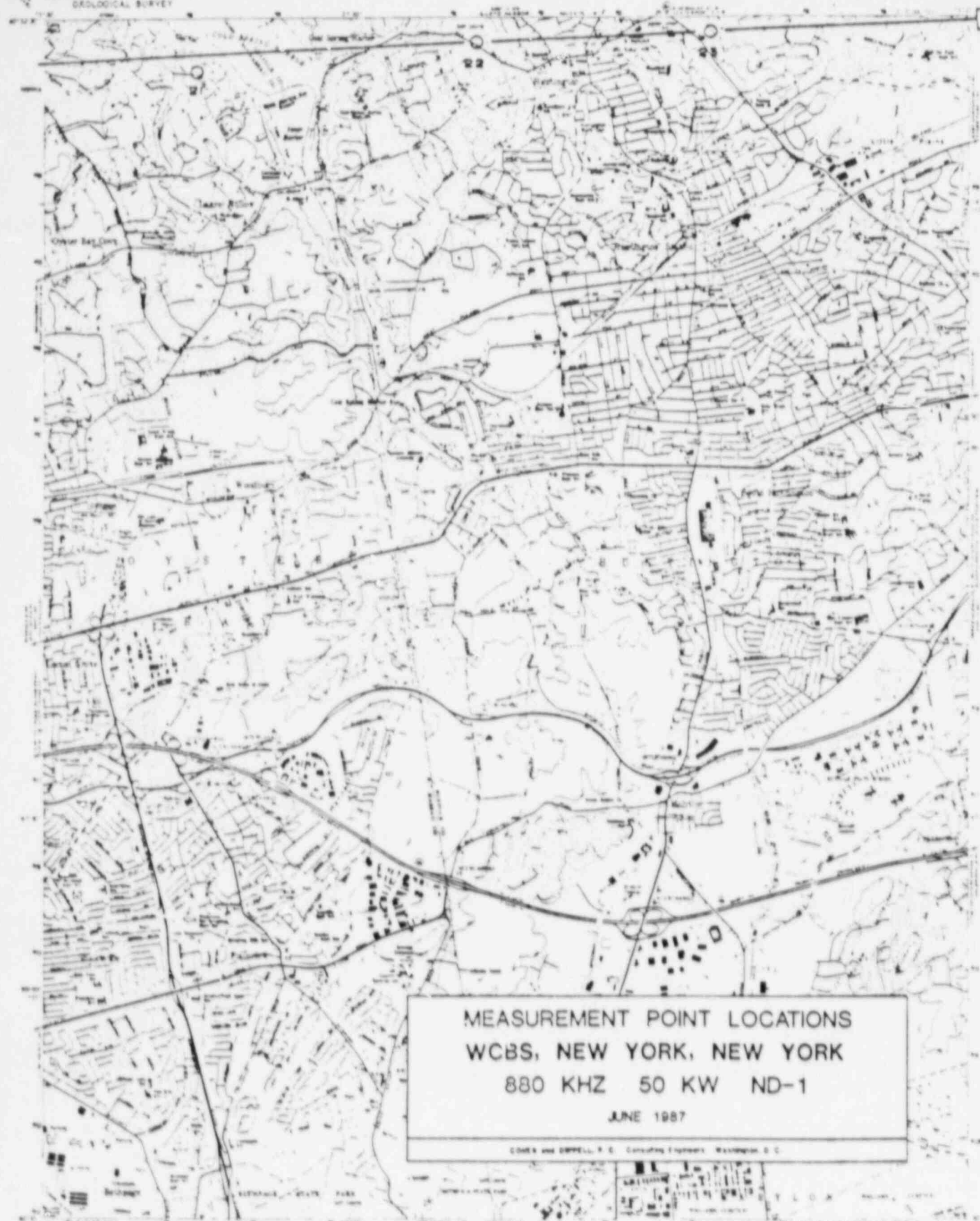


1:25,000  
1:50,000  
1:100,000  
1:200,000  
1:500,000  
1:1,000,000

THIS MAP WAS PREPARED BY THE GEOLOGICAL SURVEY OF THE UNITED STATES DEPARTMENT OF THE INTERIOR. IT IS HEREBY PUBLISHED AS A PUBLIC DOMAIN MAP.

THIS MAP IS NOT TO BE USED FOR ANY PURPOSES OTHER THAN THOSE AUTHORIZED BY THE GEOLOGICAL SURVEY OF THE UNITED STATES DEPARTMENT OF THE INTERIOR.

HICKSVILLE, NY  
11501  
11502  
11503  
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MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1

JUNE 1987

COMES and DWYER, P. E. Consulting Engineers, Washington, D. C.



Legend  
Symbol Description  
1. Contour Interval 10 Feet  
2. Spot Elevation  
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100. Spot Elevation



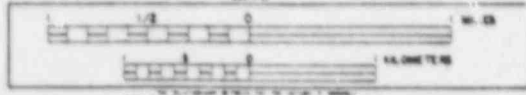
MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK  
380 KHZ 50 KW ND-1  
JUNE 1987

EDNEY and BOWELL, P. C. Consulting Engineers, Washington, D. C.

L O N G I S L A N D S O U N D



Revised by the Northport Survey  
Control and adjusted to the National Survey  
Revised by the Survey of 1967 - 1968  
Department of Transportation  
Scale 1:50,000 (1:50,000) (1:50,000)  
Projection: UTM (Universal Transverse Mercator)  
Datum: North American Datum of 1983  
Zone: 18N  
Units: Meters  
Elevation: 100 Feet  
Contour Interval: 10 Feet  
Spot Elevation: 5 Feet  
Magnetic Declination: 10° 30' E  
Magnetic Declination: 10° 30' E  
Magnetic Declination: 10° 30' E



KEY  
MEASUREMENT POINT  
ROAD  
RAILROAD  
WATER

N 87° E

NORTHPORT N. Y.  
SCALE 1:50,000  
1967  
GEOLOGICAL SURVEY





MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1

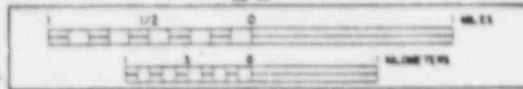
JUNE 1967

COMER and SIMPSON, P. C. Consulting Engineers, Washington, D. C.

L O N G I

S M I T H T O W N  
B A Y

N 87° E



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THIS MAP SHOWS THE LOCATION OF MEASUREMENT POINTS FOR WCBS, NEW YORK, NEW YORK, 880 KHZ 50 KW ND-1.  
THE MEASUREMENT POINTS ARE INDICATED BY CIRCLES ON THIS MAP.  
THE MEASUREMENT POINTS ARE INDICATED BY CIRCLES ON THIS MAP.

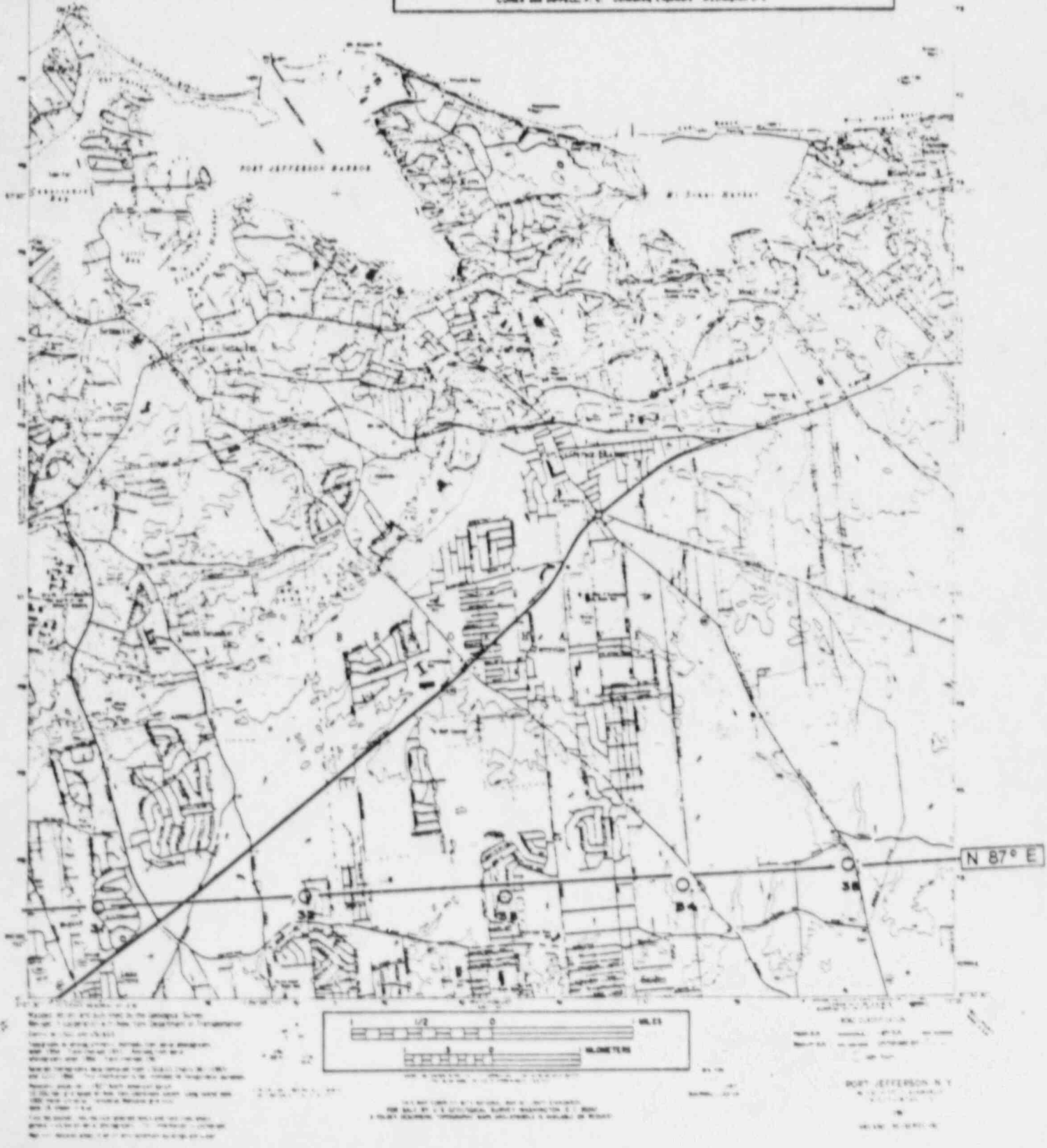
SAINT JAMES N.Y.  
NEW YORK STATE  
NEW YORK STATE  
NEW YORK STATE



MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1

JUNE 1987

COMER and DIPPILL, P. C. Consulting Engineers, Washington, D. C.



MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK

880 KHZ 50 KW ND-1

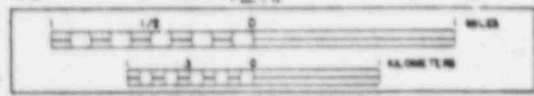
JUNE 1987

EDGEMAN AND BIRWELL, P. C. Consulting Engineers, WASHINGTON, D. C.

L O N G



STANDARD MAPS AND SURVEYS OF THE GEOLOGICAL SURVEY  
REPRODUCED BY THE GEOLOGICAL SURVEY OF THE UNITED STATES  
GPO: 1987-0-250-000-000-0  
1:50,000 SCALE  
MAY 1987  
1:50,000 SCALE  
MAY 1987  
1:50,000 SCALE  
MAY 1987

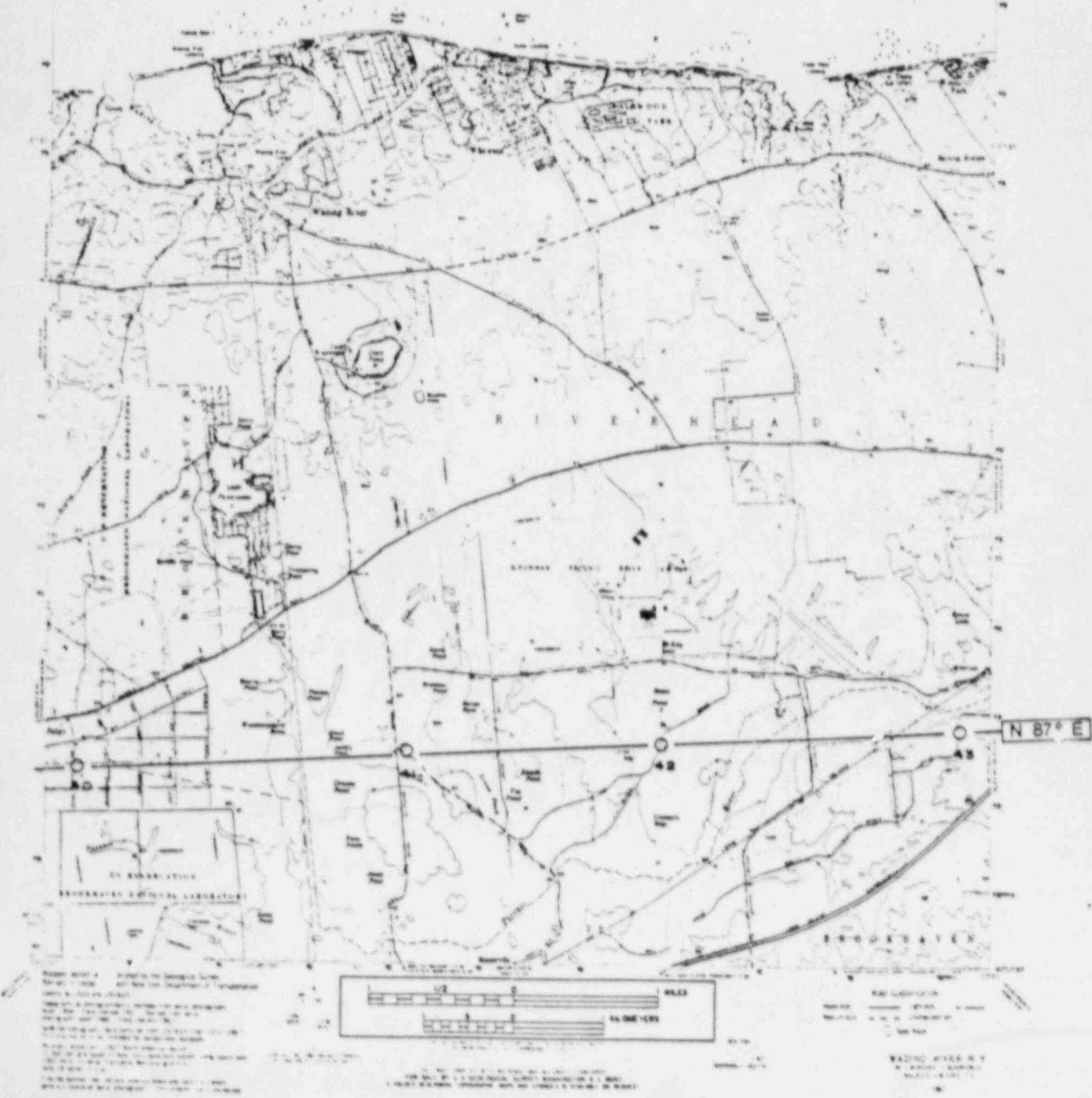


SYMBOLS  
ROADS  
RAILROADS  
WATER  
ELEVATION

EDGEMAN AND BIRWELL, P. C. CONSULTING ENGINEERS  
1100 M STREET, N.W., WASHINGTON, D.C. 20004  
TELEPHONE: (202) 872-1100

MIDDLE ISLAND N.Y.  
7.5 MINUTE SERIES  
TOPOGRAPHIC AND HYDROGRAPHIC  
SCALE 1:50,000  
GPO: 1987-0-250-000-000-0

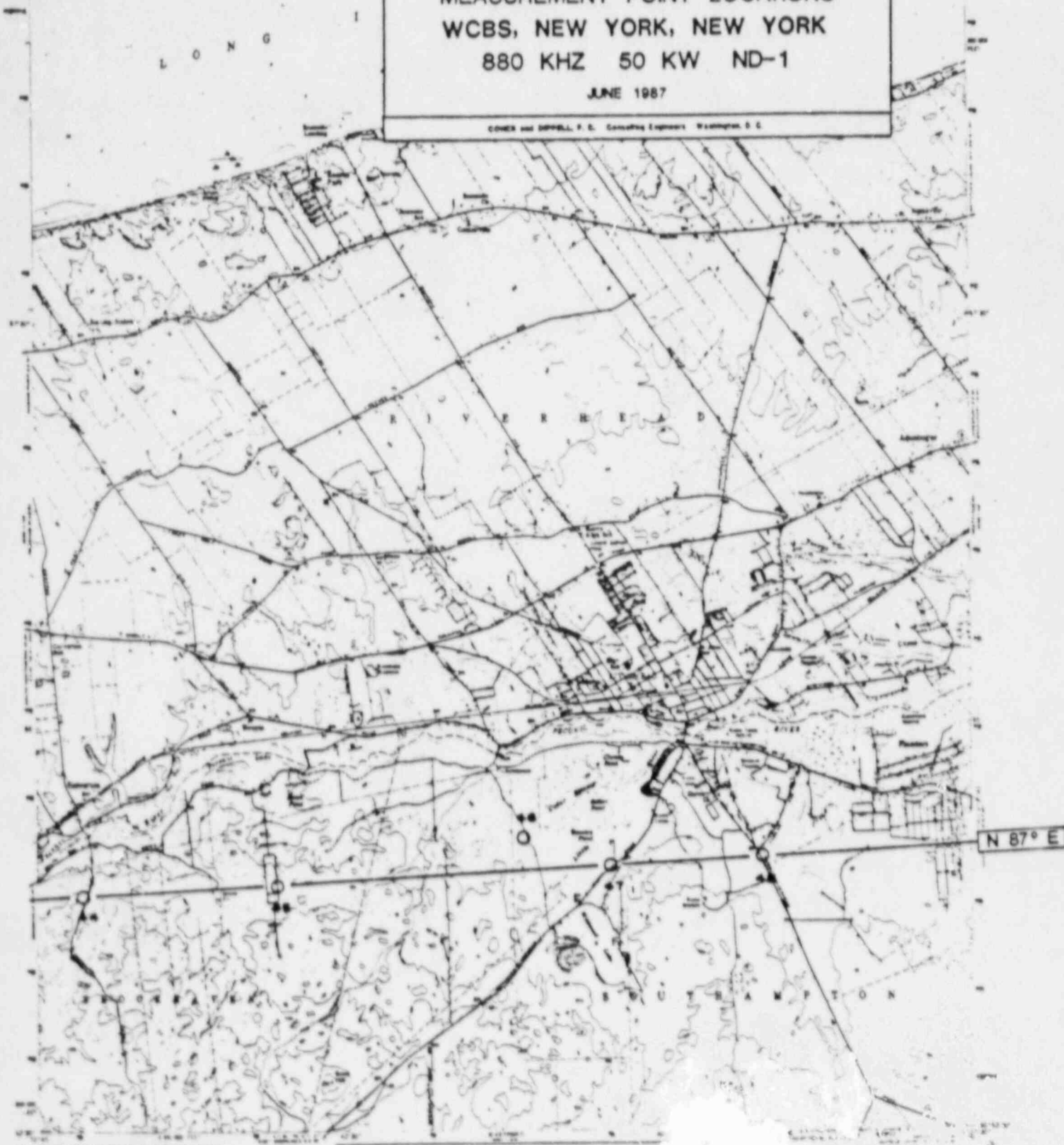
MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1  
JUNE 1987  
COWEN and DIPPILL, P. C. Consulting Engineers, Washington, D. C.



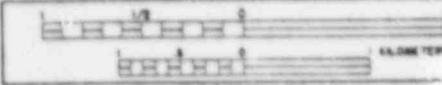
MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1

JUNE 1987

COMER and DEWELL, P. E. Consulting Engineers, Washington, D. C.



N 87° E



Revised 1987 and submitted to the Geological Survey  
DATE: 6/1987  
PROJECT: WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1  
MEASUREMENT POINT LOCATIONS  
JUNE 1987  
COMER and DEWELL, P. E. Consulting Engineers, Washington, D. C.

THIS MAP IS A REVISION OF THE 1967 MAP OF THE  
RIVERHEAD QUADRANGLE, NEW YORK-SUFFOLK CO.,  
15-MINUTE SERIES (TOPOGRAPHIC), 18-1 (REVISED 7-1967).  
THE 1967 MAP WAS PREPARED BY THE GEOLOGICAL SURVEY,  
WASHINGTON, D. C.

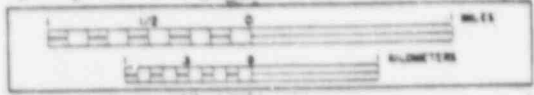
NEW YORK STATE  
SUFFOLK COUNTY  
RIVERHEAD



MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1  
JUNE 1987  
COMER and DREWELL, P. C. Consulting Engineers, Washington, D. C.



MEASUREMENT POINTS ARE INDICATED BY CIRCLES AND LETTERS A THROUGH Z. THE LOCATION OF EACH POINT IS GIVEN BY THE GRID COORDINATES. THE GRID IS BASED ON THE NAD 83 DATUM. THE GRID COORDINATES ARE GIVEN IN FEET AND METERS. THE GRID IS BASED ON THE NAD 83 DATUM. THE GRID COORDINATES ARE GIVEN IN FEET AND METERS.



WATTTUCK QUADRANGLE  
NEW YORK-SUFFOLK CO  
15 MINUTE SERIES (TOPOGRAPHIC)



MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1

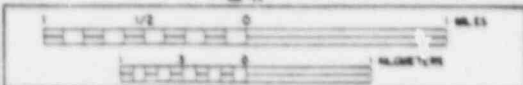
JUNE 1987

COMEX and DEWELL, P. C. Consulting Engineers Washington, D. C.

L O N G I

S M I T H T O W N  
B A Y

N 87° E



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1:62,500 SERIES (TOPOGRAPHIC)  
NEW YORK - SUFFOLK CO.  
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MEASUREMENT POINT LOCATIONS  
WCBS, NEW YORK, NEW YORK  
880 KHZ 50 KW ND-1

JUNE 1987

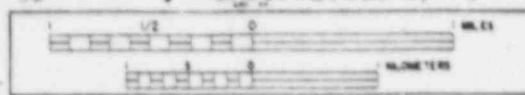
COHEN and DIPPELL, P. C. Consulting Engineers, Washington, D. C.

L O N G I

S M I T H T O W N  
B A Y



N 87° E



Map No. 1, 15-Minute Series of the Geological Survey  
Scale - 1:50,000 (1 inch = 0.833 mile)  
Projection - UTM  
Datum - NAD 83  
Contour Interval - 10 feet  
Spot Elevation - 5 feet  
Map Date - 1987  
Map Author - P. C. Cohen and P. C. Dippell  
Map Editor - P. C. Cohen and P. C. Dippell  
Map Designer - P. C. Cohen and P. C. Dippell  
Map Printer - P. C. Cohen and P. C. Dippell

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OF THE GEOLOGICAL SURVEY

SAINT JAMES N.Y.  
MEASUREMENT POINTS  
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

SECTION 8.5.1

TONE ALERT RADIO

MAT'L'S.



## TONE ALERT RECEIVER INSTRUCTIONS

THE 'PLECTRON' TONE ALERT RECEIVER IS DESIGNED TO CONTINUOUSLY MONITOR (24 HRS) WCBS-AM 880kHz AND WALK-FM 97.5mhz RADIO STATIONS FOR EMERGENCY BROADCAST MESSAGES.

### LOCATION

THE TONE ALERT RECEIVER SHOULD BE PLACED WHERE IT CAN BE HEARD AND OBSERVED. IT SHOULD BE PLUGGED INTO AN AC OUTLET TO PRESERVE THE BATTERIES AND THE ANTENNA SHOULD BE PLACED IN A VERTICAL POSITION FOR BEST RESULTS.

### OPERATION

- THE EBS SIGNAL IS RECEIVED FROM ONE OF THE RADIO STATIONS.
- THE MONITOR WILL GO INTO ITS ALARM CONDITION (ONCE THE ALARM RECEIVER HAS BEEN LOCKED IN THE ALARM CONDITION BY ONE OF THE RADIO STATIONS, IT WILL PREVENT THE OTHER RADIO STATION SIGNAL FROM AFFECTING THE MONITOR)
- IN THIS CONDITION AN ALARM WILL SOUND FOR 3 SECONDS.
- THE RADIO STATION AUDIO WILL ANNOUNCE THE EMERGENCY MESSAGE.
- THE RED ALERT LIGHT WILL FLASH.
- TO RESET, PRESS THE MANUAL RESET BUTTON ON THE FRONT PANEL. WHEN THE UNIT IS RESET, THE SPEAKER IS MUTED AND THE RED LIGHT WILL SWITCH OFF.

### BATTERY SUPPLY

THIS RECEIVER IS EQUIPPED WITH NICAD BATTERIES AS A BACK-UP SOURCE IN THE EVENT OF AN ELECTRICAL OUTAGE. THESE BATTERIES ARE CHARGED CONTINUOUSLY WHILE THE UNIT IS POWERED BY AC. THE GREEN PILOT LIGHT IS ON WHEN THE UNIT IS OPERATING FROM AC AND OFF WHEN OPERATING FROM THE BATTERIES. THE RECEIVER WILL AUTOMATICALLY SWITCH TO THE BATTERY SUPPLY. THE RECEIVER CAN BE OPERATIONAL FOR A MINIMUM OF 10 HOURS IN THE BATTERY MODE. IT IS MOST IMPORTANT TO PRESERVE THE LIFE OF THIS BACK-UP SOURCE. MAKE CERTAIN THE RECEIVER IS SWITCHED TO THE 'OFF' POSITION BY THE POWER BUTTON ON THE FRONT PANEL, IF NOT PLUGGED INTO THE AC OUTLET FOR A LONG LENGTH OF TIME. TO RECHARGE THESE BATTERIES UNDER NORMAL CONDITIONS IT WILL TAKE 8 TO 12 HOURS (24 HRS FOR BATTERIES THAT HAVE BEEN COMPLETELY DISCHARGED).

### I M P O R T A N T

EVERY STATION MUST BY FCC REGULATIONS TEST ITS EMERGENCY BROADCASTING EQUIPMENT ONCE EACH WEEK. THIS TEST WILL ACTIVATE THE EQUIPMENT AND INDICATE THAT THE UNIT IS OPERATING EFFICIENTLY.

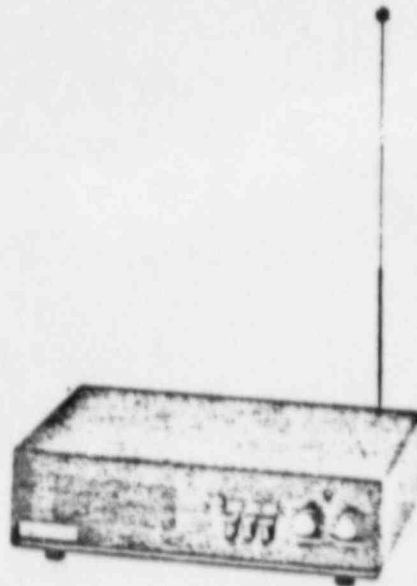
IN THE EVENT OF A MALFUNCTIONING TONE ALERT RECEIVER, PLEASE CALL FOR 24 HOUR SERVICE -

L I L C O - 727-8400

# 8000 SERIES: DIGITAL & TONE RECEIVERS

## BENEFITS

- Home/mobile or portable with NICAD battery option.
- Performs with complete reliability even at great distances.
- Selects only your message even in areas of dense radio traffic.
- Decodes up to 4 single tones, three Duotones, two-tone sequential, or Pielectron digital signals.
- Receives external or generates internal audible alert and flashes pilot LED light - continues flashing until reset manually.
- 10 times louder than a pager.
- Plugs in to AC for automatic charge of NICAD battery.
- Adjustable squelch sensitivity to full quieting for monitoring, even in high noise areas.
- Monitors or can be alerted on Channel 1 or 2 with second crystal option.
- Costs about half the amount of a pager with audio amplifier and charger.



## FEATURES

- Compact and rugged (metal housing)
- High spec receiver and decoder.
- High selectivity.
- Multiple alert/monitor capability.
- Alert flasher or internal audio alarm option.
- Full 2 watts of audio.
- Internal charger.
- External squelch control.
- Two frequency capability.
- Low cost.

Reflecting the latest in design and engineering, these compact, high quality receivers alert you and keep you informed for quick response in emergency situations.

Proven reliable, the Duotone or two-tone sequential signaling is available on the R8000-T. This unit can decode up to four single tones or three separate Duotones from any Pielectron encoder or similar encoding unit.

With the R8000-D, a highly advanced digital format ensures secure, virtually false-free operation. With 65,535 unique codes available, the receiver won't be tripped by accident. The R8000-D receivers are field programmable to accept up to four alert codes to meet changing needs.

## OPTIONS

**OPTIONS** 8000 Series Receivers are available in two models: Chief and Patrol

**CHIEF**  
R8190 (30-54 MHz)  
R8200 (148-174 MHz)

**PATROL**  
R8150 (30-54 MHz)  
R8160 (148-174 MHz)

### COLORS

Operation  
Pielectron Digital (FSK)  
Duotone Activation  
Reed Tone Decoder  
117 VAC/12 VDC  
AC Power Transformer  
2nd RF Crystal  
Multi Code Decoding

Alert/Monitor  
Optional  
Standard  
Optional  
Standard  
Standard  
Optional  
Tone Optional/  
Digital Standard

Monitor  
N/A  
N/A  
Standard  
Standard  
Optional  
N/A

01 Standard Black  
02 Fire Red (optional)  
03 EMT Orange (optional)  
04 CD Yellow (optional)  
05 Bright Blue (optional)  
06 Home Beige (optional)  
07 Encoder Gray (optional)

DC Power Cable  
Mobile Mounting Bracket  
Internal Battery  
(nicad battery or alkaline holder)  
Telescoping Antenna, UHF  
conn. rubber ant.  
Alert Flasher  
Audio Output Jack

Optional  
Optional  
Optional  
Optional  
Optional  
Optional  
Optional

Optional  
Optional  
Optional  
Optional  
Optional  
Optional  
Optional

Pilot Light (LED)  
On-Off Duty Switch  
Remote Switching Option (RSO)  
Carrying Handle

Standard  
Optional  
Optional  
Optional

Standard  
N/A  
N/A  
Optional

# SPECIFICATIONS

## PLECTRON R8000 RECEIVERS

| SENSITIVITY & FREQUENCY RANGE                      | Frequency   | 20 dB<br>Quieting | EIA<br>(12 dB)<br>SINAD |
|--|---|-------------------|-------------------------|
|  | 30-54 MHz   | 0.35 uv           | 0.25 uv                 |
|  | 148-174 MHz   | 0.50 uv           | 0.35 uv                 |
| FREQUENCY CONTROL                                  | Quartz crystal +0.0025%<br>from -30°C to +60°C  |                   |                         |
| MULTIPLE FREQUENCY                                 | 2nd Channel within 1% of first  |                   |                         |
| AUDIO OUTPUT                                       | Full 2 watts with less than 10% distortion on AC and external<br>DC, .75 watts on battery.  |                   |                         |
| DIGITAL ALERT AND SQUELCH<br>SENSITIVITY (R8000-D) | 30-54 MHz activation at .20uv<br>148-174 MHz activation at .30 uv   |                   |                         |
| TONE AND SQUELCH<br>SENSITIVITY (R8000-T)          | 30-54 MHz activation at .15 uv<br>148-174 MHz activation at .25 uv  |                   |                         |
| TONE ACTIVATION<br>(R8000-T)                       | Frequencies from 282.2 to 2932 Hz Single Tone: 3 second,<br>up to 4 tones. Duotone or two tone sequential tones of 750<br>and 250 milliseconds duration. Up to 3 duotones, with 1st or<br>2nd tone common. Activation may be followed by alert tone.<br>(Other timings available upon request.) |                   |                         |
| DIGITAL ACTIVATION<br>(R8000-D)                    | Plectron FSK format.<br>(2300 Hz/2090 Hz)   |                   |                         |
| FREQUENCY BANDWIDTH                                | ± 2% of tone frequency<br>(Other bandwidths available on special request basis.)  |                   |                         |
| CODE SENSITIVITY                                   | Activation at 3.3K deviation.   |                   |                         |
| SELECTIVITY  | 6db maximum at ± 6 KHz<br>60 db minimum at ± 30 KHz   |                   |                         |
| SPURIOUS REJECTION                                 | Greater than ± 30 KHz away from RF. 60 db minimum   |                   |                         |
| VOLTAGE  | 117 VAC, 60 Hz or 12VDC   |                   |                         |
| BATTERY  | NICAD: Rechargeable 450 mah capacity provides 10 hours<br>minimum operation with initial full charge at 2% duty cycle.<br>Optional alkaline AA penlight battery holder only.  |                   |                         |
| POWER CONSUMPTION                                  | 117 VAC, .5 to 4 watts max<br>12 VDC, .4 to 3.5 watts max<br>(depending on condition)   |                   |                         |
| DIMENSIONS   | 8" wide x 2½" high x 6" deep  |                   |                         |
| WEIGHT   | 2½ lbs. plus battery (.5 lbs)   |                   |                         |

Prices, configurations and specifications subject to change without notice.

**WOODSON ELECTRONICS, INC.**

505 Lincoln Street • P.O. Box 370 • Overton, NE 68863-0370 • Phone (308)987-2404

OPERATING INSTRUCTIONS  
SERIES "8000" MOBILE/HOME  
ALERTING RECEIVER

**WARNING:**  
TO PREVENT FIRE OR SHOCK HAZARD,  
DO NOT EXPOSE THIS APPLIANCE TO  
RAIN OR MOISTURE.

Any damage or failure of equipment must be reported to Woodson Electronics within ten days. See Warranty terms for details.

Carefully inspect unit for signs of rough handling in transit, should there be any damage, notify carrier immediately.

To help the user obtain the most satisfaction from the use of their Alerting Receiver, the following instructions are furnished.

**LOCATION OF THE RECEIVER:**

Place the receiver where it can be heard and understood easily. In buildings of reinforced concrete construction or where steel framing, wire mesh or aluminum siding has been used, best results will be obtained if the receiver is placed near a window.

**IMPORTANT:** Do not attempt to use your receiver without an antenna. Low Band receivers are supplied with six feet of flexible wire with a plug to fit the external antenna socket on the back of the receiver and High Band receivers are supplied with a 20 inch steel whip or the receiver may be purchased with the optional telescoping antennas or rubber antenna. These antennas should be placed in a vertical position for best results. Either the supplied antennas or the optional antennas will give excellent results in most locations. If more range is necessary, an outdoor antenna specifically designed to work with this equipment should be used (See your nearest Precision dealer or Precision Accessories Brochure)

**OPERATIONS & CONTROLS:**

Should the 117 VAC supply fail, receivers equipped with batteries will automatically switch to the internal supply. To operate the receiver from an external 42 VDC supply a DC power cord, part #072-08906-06 or #072-08900-001 must be used.

If the receiver is equipped with Nicad batteries, part #054-0875-0000, it will also contain an automatic charging circuit. As an additional protective device, this circuit will cut the receiver OFF when operating in the portable mode before the batteries have been discharged. To recharge the batteries, simply operate the receiver with a 117 VAC input. Under normal conditions, recharging will take 8 to 12 hours. However, it may take as many as 24 hours to recharge a battery that has been completely discharged.

If the receiver is equipped with Alkaline batteries, part #02-8628-0000, the batteries cannot be recharged.

**IMPORTANT:** Receivers will be shipped set up for Alkaline batteries unless ordered with Nicad batteries. When to a Precision service shop or returned to Woodson Electronics to have Nicad batteries added. To extend the life of Nicad batteries, allow your receiver to operate on batteries one

**ON-OFF SWITCH:** The unit is turned on by depressing the ON-OFF to the locked in position. This will illuminate the Pilot Lamp if operating with 117 VAC or 12 VDC power. To reduce internal battery drain, the pilot lamp does not operate when unit is operating on 12v internal batteries.

**VOLUME CONTROL:** Advancing the control clockwise increases the volume.

**SQUELCH CONTROL:** To adjust the receiver in a quiet, low-noise environment, the squelch control should be turned clockwise until the receiver just quiet. In the event that activation from weak signals or static becomes objectionable, the control may be turned further clockwise and then only a stronger signal will be received. Signals the user may wish to receive may fade in and out under certain atmospheric conditions. It is suggested that the squelch control be turned counter-clockwise and monitoring be done temporarily with background transmission noise present to obtain better messages.

**ALERT-RESET SWITCH ALERT LIGHT: (OPTIONAL)** When a receiver so equipped has received the proper alerting tone, the pilot lamp will begin to flash (flash on and off) and will continue to do so until reset by the ALERT-RESET switch. This switch will reset the receiver if it has not automatically reset.

**MONITOR-ALERT SWITCH:** enables the operator to monitor the base station and staff here at the features of tone activation alerting. With this switch in the MONITOR position (but) the receiver will respond to all transmissions, within range, on its operating frequency. In ALERT position (on) the receiver will be silent until the proper activating signal is received. When activated, the receiver will become live and the user will hear the alerting signal followed by the voice message from the dispatcher. If the squelch control has been set to the point where all between-transmission noise is present, the receiver will not reset unless the receiver is turned OFF and back ON. In until the squelch control is advanced to quieting and there is approximately 20 seconds between received transmissions. Reset may also be accomplished by activating the ALERT-RESET switch.

**REMOTE SPEAKER:** A phone jack socket labeled REMOTE SPEAKER is provided on the back of the receiver for series connecting an external speaker, usually, at any distance up to 300 feet. Speaker assembly and cable is available from your nearest Electric Dealer or Woodson Electronics, Inc. To connect the external speaker simply remove the plug from the back and insert speaker plug. Audio will be heard from both speakers.

**FREQUENCY SELECTOR SWITCH:** This switch is located on the back panel indicating desired frequency can be selected by referring to numpad on back of receiver.

**ON-OFF DUTY SWITCH: (OPTIONAL)** Optional on receivers with two or more tones installed enables user to eliminate unwanted alarms when off duty. In the OFF position the receiver will activate from all transmitted tones except the one which is controlled by the DUTY switch. In the ON position, all alarms will be received.

**D.C. POWER CABLE: (OPTIONAL)** Two are available. One cable, part #072-08900-001 has a cigarette lighter adapter plug on the end for plugging into the cigarette lighter. CAUTION: The second may have to be obtained in order to insure the plug makes proper volt supply. This cable has two conductors, the positive (+) conductor is indicated by a (+) label. It is IMPORTANT THAT THE CORRECT POLARITY BE OBSERVED WHEN CONNECTING THIS CABLE.

**WARNING:** In some locations and under certain conditions, it is illegal for unauthorized persons to receive or a receiver a signal transmitted on a police frequency. It is the responsibility of the person making the installation to be sure that the user of this receiver is properly licensed or cleared through the local police department. Under no condition can Woodson Electronics, Inc., the manufacturer of this set, be held responsible for its unauthorized installation or use.

SECTION 8.5.2

LIST OF

SPECIAL FACILITIES

TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUM R  
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SPECIAL FACILITY  
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|     |   |
|-----|---|
| 150 | AHRC - Community Residence<br>126 Lincoln Street<br>Riverhead, NY 11901                       |
| 149 | AHRC - Community Residence<br>542 Roanoke Avenue<br>Riverhead, NY 11901                       |
| 3   | AHRC - Robert Sansone (ICF)<br>2 Defense Hill Road<br>Shoreham, NY 11786                      |
| 3   | AHRC - Robert Sansone (ICF)<br>2 Defense Hill Road<br>Shoreham, NY 11786                      |
| 7   | AHRC - Work Activities Center<br>1180 Old Country Road<br>Riverhead, NY 11901                 |
| 95  | Alphabetical Child Enrichment Center<br>Echo Avenue<br>P.O. Box 787<br>Miller Place, NY 11764 |
| 79  | Andrew Muller Primary School<br>65 Lower Rocky Point Road<br>Miller Place, NY 11764           |
| 59  | Baier Lustgarten<br>Jericho Tpke/Middle Country Road<br>Middle Island, NY 11953               |
|     | Bellmore Reception Center   |
| 151 | Bicycle Path Elem. School<br>27 N. Bicycle Path<br>Selden, NY 11784                           |



TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |  |
|-----|--|
| 68  | Boces Learning Center<br>St. Charles Hospital<br>200 Belle Terre Road<br>Port Jefferson, NY 11777        |
| 153 | Boces-Supervisory Distr . #1<br>Administration Office<br>215 Old Riverhead Road<br>Westhampton, NY 11978 |
| 152 | Boces-Supervisory District #2<br>Administration Office<br>201 Sunrise Highway<br>Patchogue, NY 11772     |
| 154 | Boyle Road Elementary School<br>424 Boyle Road<br>Port Jefferson Station, NY 11776                       |
| 12  | Briarcliffe Road School<br>Briarcliffe Road<br>Shoreham, NY 11786  |
| 13  | Brookhaven Country Day School<br>171 Long Island Avenue<br>P.O. Box 175<br>Yaphank, NY 11980             |
| 14  | Brookhaven National Laboratory<br>Police Headquarters<br>Bldg. 50<br>Upton, NY 11973                     |
| 155 | Brookhaven Town Hall<br>205 S. Ocean Avenue<br>Patchogue, NY 11772                                       |
| 156 | Brookhaven Town Supervisor<br>Mrs. H. Acampora<br>150 Eastwood Blvd.<br>Centereach, NY 11720             |



TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |   |
|-----|---|
| 17  | Calverton National Cemetary<br>210 Princeton Blvd.<br>Calverton, NY 11933                     |
| 1   | Camp Baiting Hollow<br>Sound Avenue<br>Calverton, NY 11993                                    |
| 1   | Camp Baiting Hollow<br>Sound Avenue<br>Calverton, NY 11993                                    |
| 18  | Camp Dewolf<br>Northside Road<br>Wading River, NY 11792                                       |
| 19  | Camp Wauwepex<br>Wading River Road<br>Wading River, NY 11792                                  |
| 20  | Camp Wauwepex<br>Wading River Road<br>Wading River, NY 11792                                  |
| 76  | Cathedral Pines Park<br>Yaphank-Middle Island Road<br>Middle Island, NY 11953                 |
| 157 | Center Moriches UFSD<br>Administration Office<br>511 Main Street<br>Center Moriches, NY 11934 |
| 158 | Centereach High School<br>43 RD Street<br>Centereach, NY 11720                                |
| 23  | Central Brookhaven Head Start<br>Mill Road<br>P.O. Box 48<br>Coram, NY 11727                  |

TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |  |
|-----|--|
| 24  | Central Suffolk Hospital<br>1300 Roanoke Avenue<br>Riverhead, NY 11901                                     |
| 24  | Charles E. Walters Elem. School<br>Annex #1<br>Everette Drive<br>Yaphank, NY 11980                         |
| 28  | Charles E. Walters Elem. School<br>Main Office<br>Everette Drive<br>Yaphank, NY 11980                      |
| 30  | Clinton Avenue Elementary School<br>140 Clinton Avenue<br>Port Jefferson Station, NY 11776                 |
| 97  | Coloroll Vinyls, Inc.<br>466 Mill Road<br>Coram, NY 11727  |
| 136 | Coloroll Vinyls, Inc.<br>466 Mill Road<br>Coram, NY 11727  |
| 64  | Comsewogue High School<br>565 Bicylce Path<br>Port Jefferson Station, NY 11776                             |
| 92  | Comsewogue School District<br>Administration Office<br>400 Jayne Blvd.<br>Port Jefferson Station, NY 11776 |

TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |  |
|-----|--|
| 33  | Coram Bus Service<br>Mt. Sinai Road<br>Coram, NY 11727   |
| 34  | Coram Child Care Center<br>10 Glenmere Lane<br>Box 110<br>Coram, NY 11727                                    |
| 35  | Coram Elementary School Annex<br>Coram-Mt. Sinai Road<br>Coram, NY 11727                                     |
| 36  | Coram Elementary School<br>Coram-Mt. Sinai Road<br>Coram, NY 11727   |
| 143 | Coram Fire Department<br>Rte. 25<br>Coram, NY 11727  |
| 40  | Crest Hall Health Related Facility<br>Church Lane/Oakcrest Avenue<br>P.O. Box 518<br>Middle Island, NY 11953 |
| 160 | Dawnwood Middle School<br>43RD Street<br>Centereach, NY 11720  |
| 42  | Dayton Avenue School<br>Dayton Avenue<br>Manorville, NY 11949  |
| 6   | Dorothy P. Flint<br>4-H Camp<br>Sound Avenue<br>Riverhead, NY 11901  |

TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |   |
|-----|---|
| 6   | Dorothy P. Flint<br>4-H Camp<br>Sound Avenue<br>Riverhead, NY 11901                         |
|     | Earl L. Vandermeulen High School<br>Old Post Road<br>Port Jefferson, NY 11777               |
| 161 | East Moriches UFSD<br>Administration Office<br>9 Adelaide Avenue<br>East Moriches, NY 11940 |
| 162 | Eastport UFSD<br>Administration Office<br>390 Montauk Highway<br>Eastport, NY 11941         |
|     | Emergency News Center (ENC)<br>Command Room<br>Hauppauge                                    |
|     | Emergency News Center (ENC)<br>Hauppauge  |
|     | Emergency News Center (ENC)<br>Media Inquiry Response<br>Hauppauge                          |
|     | Emergency News Center (ENC)<br>Press & Message Desk<br>Hauppauge                            |
|     | Emergency News Center (ENC)<br>Rumor Control<br>Hauppauge                                   |
| 163 | Emergency Operations Center (EOC)<br>Brentwood  |

TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |   |
|-----|---|
| 164 | Eugene Auer Memorial Schoolroom<br>17 Wing Street<br>Lake Grove, NY 11755 |
| 46  | Grumman Aerospace<br>Grumman Blvd.<br>Calverton, NY 11933                 |
| 47  | Harbor Hills Country Club<br>Fairway Road<br>Port Jefferson, NY 11777     |
| 166 | Hawkins Path School<br>485 Hawkins Path<br>Selden, NY 11784               |
| 49  | Hazeltine Corp.<br>Route 58<br>Riverhead, NY 11901                        |
|     | Hicksville Operations Center<br>Supervising Service Operator (SSO)        |
|     | Hicksville Reception Center   |
| 167 | Holbrook Road School<br>170 Holbrook Avenue<br>Centereach, NY 11720       |
| 10  | IGHL-Manorville I<br>135A Woodland Avenue<br>Manorville, NY 11949         |
|     | IGHL-Manorville II<br>288 Chapman Blvd.<br>Manorville, NY 11949           |
| 219 | IGHL-Middle Island (ICF)<br>85 West Yaphank Road<br>Coram, NY 11727       |

TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |  |
|-----|--|
| 21  | IGHL-Middle Island (ICF)<br>Longwood Road<br>Middle Island, NY 11953                       |
| 220 | IGHL-Mount Sinai (ICF)<br>133 West Shore Road<br>Mount Sinai, NY 11776                     |
| 134 | Infant Jesus School<br>Myrtle Avenue<br>Port Jefferson, NY 11777                           |
| 168 | Jericho Elementary School<br>34 North Coleman Road<br>Centereach, NY 11720                 |
| 52  | John F. Kennedy Jr. High School<br>200 Jayne Blvd.<br>Port Jefferson Station, NY 11776     |
| 53  | John T. Mather Memorial Hospital<br>North County Road<br>Port Jefferson, NY 11777          |
| 54  | Joseph A. Edgar School<br>Rte. 25A<br>Rocky Point, NY 11778                                |
| 11  | Just Kids Early Learning Center<br>P.O. Box 12<br>Longwood Road<br>Middle Island, NY 11953 |

## TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |   |
|-----|---|
| 169 | LERO Office<br>Hauppauge  |
| 172 | LILCO-District Office<br>600 Doctor's Path<br>Riverhead, NY 11901                                     |
| 144 | LILCO-District Office<br>1029 Rte. 112<br>Port Jefferson Station, NY 11776                            |
| 173 | LILCO-District Office<br>488 East Main Street<br>Patchogue, NY 11772                                  |
| 172 | LILCO-District Office<br>600 Doctor's Path<br>Riverhead, NY 11901                                     |
| 56  | Little Flower Children's Serv (ICF)<br>Northside Road<br>Wading River, NY 11792                       |
| 16  | Little Flower Children's Services<br>Institution<br>North Wading River Road<br>Wading River, NY 11792 |
| 22  | Little Flower UFSD<br>North Wading River Road<br>Wading River, NY 11792                               |
| 57  | Long Island Game Farm<br>Chapman Blvd.<br>Manorville, NY 11949  |



TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |   |
|-----|---|
| 73  | Longwood Central School District<br>Administration Annex<br>Middle Island-Yaphank Road<br>Middle Island, NY 11953 |
| 116 | Longwood Central School District<br>Building and Grounds<br>Main Street<br>Yaphank, NY 11953                      |
| 58  | Longwood High School<br>Longwood Road<br>Middle Island, NY 11953  |
| 75  | Longwood Middle School<br>Middle Island-Yaphank Road<br>Middle Island, NY 11953                                   |
| 220 | Luitpold Industries<br>Luitpold Drive<br>Shirley, NY 11967  |
| 60  | Manorville Fire Department<br>Silas Carter Road<br>Manorville, NY 11949   |
| 74  | Maryhaven-Adult Service Center<br>Old Country Road<br>P.O. Box 600<br>Yaphank, NY 11980                           |
| 177 | Maryhaven-Center of Hope<br>CSS Treatment Center<br>240 West Main Street<br>Riverhead, NY 11901                   |

## TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |   |
|-----|---|
| 102 | Maryhaven-Center of Hope<br>Day Residential School<br>450 Myrtle Avenue<br>Port Jefferson, NY 11777                       |
|     | Maryhaven-Community Residence Office<br>48 Old Post Road<br>Mount Sinai, NY 11766   |
| 63  | Maryhaven-Community Residence Office<br>48 Old Post Road<br>Mount Sinai, NY 11766   |
| 127 | Maryhaven-Community Residence<br>179 Lower Rocky Point Road<br>Rocky Point, NY 11778                                      |
| 29  | Maryhaven-Hostel II<br>77 Landing Road<br>Miller Place, NY 11764  |
| 176 | Maryhaven-Hostel III<br>279 Terryville Road<br>Port Jefferson Station, NY 11776   |
| 65  | Maryhaven-Hostel IV<br>332 Thompson Street<br>Port Jefferson, NY 11777  |
| 70  | Mercy High School<br>1225 Ostrander Avenue<br>Riverhead, NY 11901   |
| 71  | Mid-Island Arena<br>Rocky Point Road<br>Middle Island, NY 11953   |
| 180 | Middle Country Central School District<br>Administration Office<br>New Memorial School<br>15 New Lane<br>Selden, NY 11784 |

## TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |   |
|-----|---|
| 178 | Middle Country Central School District<br>Business Office<br>8th and 43rd Street<br>Centereach, NY 11720                    |
| 179 | Middle Country Central School District<br>Transportation Office<br>25 N. Bicycle Path<br>Selden, NY 11784                   |
| 2   | Millcrest Adult Home<br>Mill Road<br>Yaphank, NY 11930  |
| 78  | Miller Avenue School<br>Miller Avenue<br>Shoreham, NY 11786   |
| 5   | Miller Place Fire Department<br>P.O. Box 103<br>Miller Place Road<br>Miller Place, NY 11764                                 |
| 81  | Miller Place High School<br>15 Memorial Drive<br>Miller Place, NY 11764   |
| 90  | Miller Place UFSD<br>Administration Office<br>North Country Road School<br>191 North Country Road<br>Miller Place, NY 11764 |
| 147 | Mount Sinai Elementary School<br>North Country Road<br>Mount Sinai, NY 11766  |
| 84  | Mount Sinai Fire Department<br>North Country Road<br>Mount Sinai, NY 11766  |

TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |  |
|-----|--|
| 85  | Mount Sinai Jr. High School<br>North Country Road<br>Mount Sinai, NY 11776                 |
| 221 | Neighborhood Nursery School<br>5 Woodbine Street<br>Coram, NY 11727                        |
| 180 | New Lane Memorial School<br>15 New Lane<br>Selden, NY 11784                                |
| 181 | Newfield High School<br>Marshall Drive<br>Selden, NY 11784                                 |
| 182 | North Coleman Road School<br>197 North Coleman Road<br>Centereach, Ny 11720                |
| 183 | North Shore Christian School<br>324 Jayne Blvd.<br>Port Jefferson Station, NY 11776        |
| 184 | Norwood Avenue Elementary School<br>290 Norwood Avenue<br>Port Jefferson Station, NY 11776 |
| 94  | Oak Hollow Nursing Center<br>Church Lane & Oakcrest Avenue<br>Middle Island, NY 11953      |
| 38  | Our Lady of Perpetual Help Convent<br>Hilltop Drive<br>Sound Beach, NY 11789               |
| 185 | Oxhead Road School<br>144 Oxhead Road<br>Centereach, NY 11720                              |

## TONE ALERT RADIO DISTRIBUTION LIST

| MAP<br>REFERENCE<br>NUMBER<br>----- | SPECIAL FACILITY<br>-----  |
|-------------------------------------|--|
| 186                                 | Patchogue Staging Area   |
| 187                                 | Patchogue-Medford UFSD<br>Administration Office<br>241 South Ocean Avenue<br>Patchogue, NY 11772 |
| 130                                 | Peconic River Sportsman's Club<br>389 River Road<br>Manorville, NY 11949                         |
| 140                                 | Peerless Photo Productions<br>Rte 25A<br>Shoreham, NY 11786                                      |
| 101                                 | Pine Hills Country Club<br>Wading River Road<br>Manorville, NY 11949                             |
| 188                                 | Port Jefferson Elementary School<br>Scraggy Hill Road<br>Port Jefferson, NY 11777                |
| 44                                  | Port Jefferson Fire Department<br>115 Maple Place<br>Port Jefferson, NY 11777                    |
| 45                                  | Port Jefferson Jr. High School<br>Spring Street<br>Port Jefferson, NY 11777                      |
| 145                                 | Port Jefferson UFSD<br>Administration Office<br>Scraggy Hill Road<br>Port Jefferson, NY 11777    |
| 189                                 | Port Jefferson Staging Area  |

## TONE ALERT RADIO DISTRIBUTION LIST

| MAP<br>REFERENCE<br>NUMBER<br>----- | SPECIAL FACILITY<br>-----   |
|-------------------------------------|---|
| 125                                 | Preschoolers Place for Learning<br>25A-North Shore Methodist Church<br>Wading River, NY 11792           |
| 222                                 | Rainbow Cottage<br>137 Radio Avenue<br>Miller Place, NY 11764   |
| 108                                 | Ridge Elementary School<br>Ridge Road<br>Ridge, NY 11961  |
| 110                                 | Ridge Fire Department<br>Rte. 25<br>Ridge, NY 11961   |
| 111                                 | Ridge Rest Home<br>P.O. Box 460<br>Whiskey Road<br>Ridge, NY 11961                                      |
| 112                                 | Riley Avenue Elementary School<br>Riley Avenue<br>Calverton, NY 11933                                   |
| 193                                 | Riverhead Central School District<br>Administration Office<br>700 Osborne Avenue<br>Riverhead, NY 11901 |
| 190                                 | Riverhead Fire Department<br>24 East Second Street<br>Riverhead, NY 11901                               |
| 223                                 | Ridge SOICF<br>64 Ridge Road<br>Ridge, NY 11961   |

TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |   |
|-----|---|
| 191 | Riverhead Nursing Home<br>Harrison Avenue<br>Riverhead, NY 11901                      |
|     | Riverhead Operations Center<br>Supervising Service Operator (SSO)                     |
| 192 | Riverhead Police Department<br>210 Howell Avenue<br>Riverhead, NY 11901               |
| 194 | Riverhead Staging Area  |
| 195 | Riverhead Town Hall<br>200 Howell Avenue<br>Riverhead, NY 11901                       |
| 196 | Riverhead Town Supervisor<br>Mr. Joseph Janoski<br>North Country Road, RR #1 - Box 21 |
| 120 | Rock Hill Country Club<br>Clancy Road<br>Manorville, NY 11949                         |
| 119 | Rock Hill Country Club<br>Clancy Road<br>Manorville, NY 11949                         |
| 123 | Rocky Point Elementary School<br>Rocky Point-Yaphank Road<br>Rocky Point, NY 11778    |
| 62  | Rocky Point Fire Department<br>King Road - P.O. Box 635<br>Rocky Point, NY 11778      |



TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |   |
|-----|---|
| 121 | Rocky Point Jr-Sr High School<br>Rocky Point-Yaphank Road<br>Rocky Point, NY 11778                |
|     | Roslyn Reception Center   |
| 197 | Saint Anselm's Nursery School<br>North Country Road<br>Shoreham, NY 11876                         |
| 198 | Selden Jr. High School<br>Washington Avenue<br>Selden, NY 11784                                   |
| 66  | Shoreham Nuclear Power Station<br>Control Room<br>Shoreham  |
| 87  | Shoreham Nuclear Power Station<br>Control Room<br>Shoreham  |
| 15  | Shoreham Nuclear Power Station<br>Office of Nuclear Information<br>Education Center               |
| 67  | Shoreham-Wading River High School<br>Rte. 25A<br>Shoreham, NY 11786                               |
| 72  | Shoreham-Wading River Middle School<br>Randall Road<br>Shoreham, NY 11786                         |
| 80  | Shoreham-Wading River School District<br>Administration Office<br>Route 25A<br>Shoreham, NY 11786 |

## TONE ALERT RADIO DISTRIBUTION LIST

| MAP<br>REFERENCE<br>NUMBER<br>----- | SPECIAL FACILITY<br>-----   |
|-------------------------------------|---|
| 148                                 | Sound Beach Fire Department<br>Sound Beach Bldv.<br>Sound Beach, NY 11789                                     |
| 8                                   | Sound Beach Pre-School Co-Op<br>New York Avenue<br>P.O. Box 308<br>Sound Beach, NY 11789                      |
| 88                                  | Sound Beach School<br>North Country Road<br>Miller Place, NY 11764  |
| 200                                 | South Country School District<br>Administration Office<br>189 North Dunton Avenue<br>East Patchogue, NY 11772 |
| 201                                 | South Haven Primary School<br>Montauk Highway<br>Brookhaven, NY 11719   |
| 43                                  | South Manor UFSD<br>Administration Office<br>Dayton Avenue School<br>Dayton Avenue<br>Manorville, NY 11949    |
| 131                                 | South Street School<br>South Street<br>Manorville, NY 11949   |
| 132                                 | Spring Lake Golf Club<br>Rte. 25 & Bartlett Road<br>Middle Island, NY 11953                                   |
| 224                                 | St. Charles Educational & Therapeutic Center<br>200 Myrtle Avenue<br>Port Jefferson, NY 11777                 |

TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |  |
|-----|--|
| 31  | St. Charles Hospital<br>Belle Terre Road<br>Port Jefferson, NY 11777             |
| 203 | St. Isidore School<br>515 Marcy Avenue<br>Riverhead, NY 11901                    |
| 204 | St. John the Evangelist School<br>546 St. John's Place<br>Riverhead, NY 11901    |
| 205 | St. John's Lutheran Nursery School<br>Coates Avenue<br>Holbrook, NY 11776        |
| 139 | St. John's Pre-School<br>North Country Road<br>Wading River, NY 11792            |
| 206 | Stagecoach Road Elementary School<br>Stagecoach Road<br>Selden, NY 11784         |
| 141 | Step By Step Early Learning Center<br>138 Radio Avenue<br>Miller Place, NY 11764 |
| 214 | Stony Brook University Hospital<br>Nichols Road<br>Stony Brook, NY 11790         |
| 89  | Suffolk County Police Department<br>6 Pct-Middle Country Road<br>Coram, NY 11727 |
| 115 | Suffolk Infirmary<br>Yaphank Avenue<br>Yaphank, NY 11980                         |

TONE ALERT RADIO DISTRIBUTION LIST

| MAP<br>REFERENCE<br>NUMBER<br>----- | SPECIAL FACILITY<br>-----   |
|-------------------------------------|---|
| 208                                 | Sunrest Health Facilities, Inc.<br>70 North Country Road<br>Port Jefferson, NY 11777                              |
| 99                                  | Swan Lake Golf Club<br>388 River Road<br>Manorville, NY 11949   |
| 93                                  | Tall Tree Golf Course<br>Rte. 25A<br>Rocky Point, NY 11778  |
| 142                                 | Terryville Fire Department<br>19 Jayne Blvd.<br>Port Jefferson, NY 11777  |
| 107                                 | Terryville Road Elementary School<br>401 Terryville Road<br>Port Jefferson Station, NY 11776                      |
|                                     | Timothy Hill Children's Ranch<br>260 Middle Road<br>Riverhead, NY 11901   |
| 225                                 | Tots N Toys<br>22 Oakland Avenue<br>Port Jefferson, NY 11777  |
| 210                                 | Town of Brookhaven<br>Commissioner of Public Safety<br>20 Medford Avenue<br>Patchogue, NY 11772                   |
| 209                                 | Town of Brookhaven<br>Commissioner of Public Safety<br>T. Ligouri<br>315 Yaphank Road<br>East Patchogue, NY 11772 |

## TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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SPECIAL FACILITY  
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|     |  |
|-----|--|
| 122 | Trinity Lutheran Nursery School<br>Rte. 25A<br>Rocky Point, NY 11778   |
| 126 | U.C.P. - Residence (ICF)<br>442 Randall Road<br>Ridge, NY 11961  |
| 96  | U.C.P. - Residence (ICF)<br>6 Hemlock Road<br>Mt. Sinai, NY 11766  |
| 212 | United Cerebral Palsy of Greater<br>Suffok - District Office<br>159 Indian Head Road<br>Commack, NY 11725                  |
| 213 | Unity Drive Learning Center<br>11 Unity Drive<br>Centereach, NY 17720  |
| 118 | Wading River Cooperative Play School<br>Wading River Congregational Church<br>North Country Road<br>Wading River, NY 11792 |
| 137 | Wading River Elementary School<br>Manor Road<br>Wading River, NY 11792   |
| 138 | Wading River Fire Department<br>North Country Road<br>Wading River, NY 11792   |
| 104 | West Manor School District<br>Chairman's Office<br>Schultz Road<br>Manorville, NY 11949                                    |

TONE ALERT RADIO DISTRIBUTION LIST

MAP  
REFERENCE  
NUMBER  
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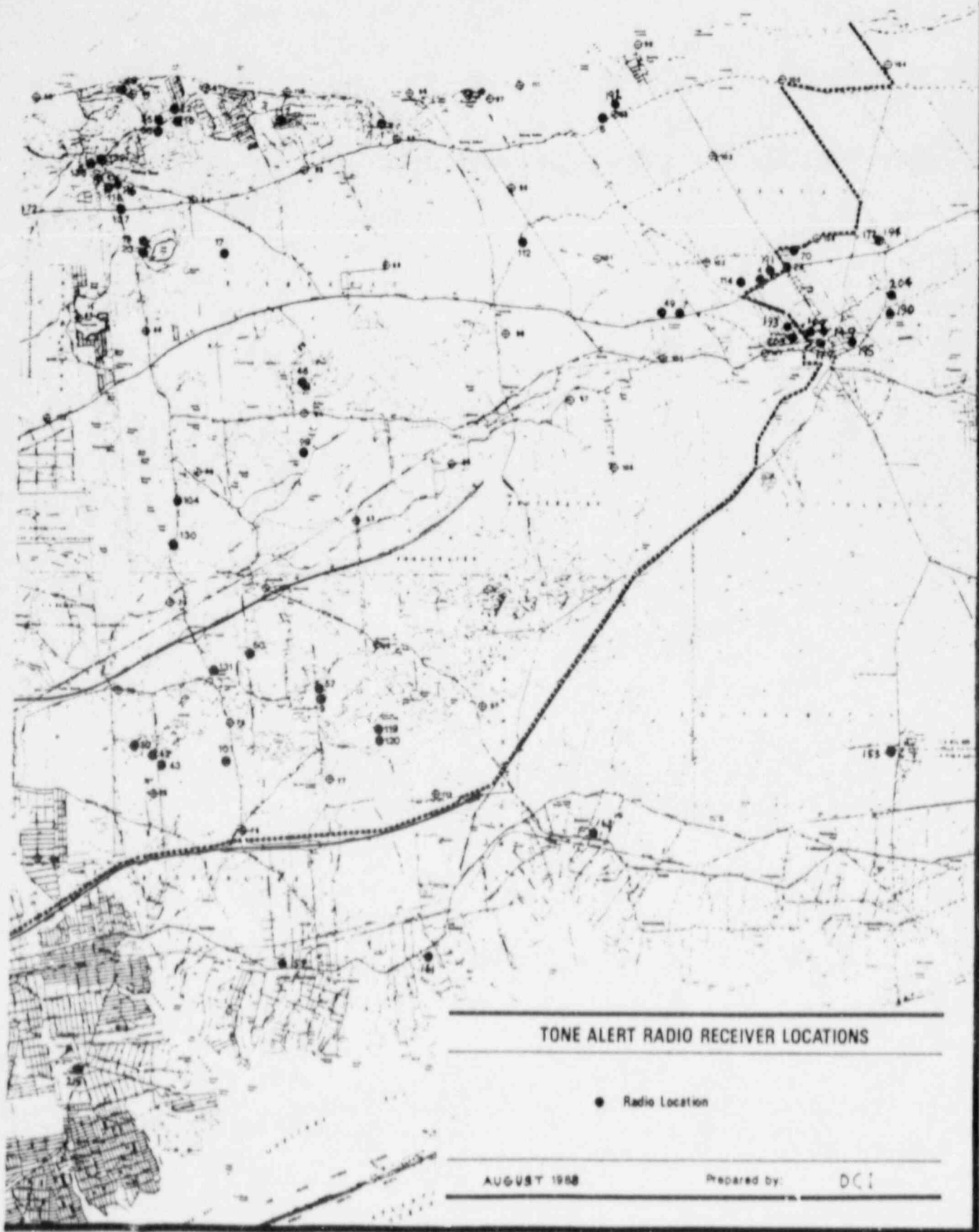
SPECIAL FACILITY  
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|     |  |
|-----|--|
| 124 | West Middle Island Elementary School<br>Sweezy Lane<br>Middle Island, NY 11953                 |
| 117 | Wildwood State Park<br>Hulse Landing Road<br>Wading River, NY 11792                            |
| 215 | William Floyd UFSD<br>Administration Office<br>240 Mastic Beach Road<br>Mastic Beach, NY 11951 |
| 216 | Woodhaven Home for Adults<br>1350 Rte. 112<br>Port Jefferson Station, NY 11776                 |
| 217 | Woodhaven Nursing Home<br>1360 Rte. 112<br>Port Jefferson Station, NY 11776                    |
| 77  | Yaphank Fire Department<br>Main Street<br>Yaphank, NY 11980                                    |

SECTION 8.5.3

MAP OF

SPECIAL FACILITIES



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TONE ALERT RADIO RECEIVER LOCATIONS

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● Radio Location

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AUGUST 1968

Prepared by: DCI

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