

LILCO, March 22, 1984

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

Before the Atomic Safety and Licensing Board

In the Matter of)	
)	
LONG ISLAND LIGHTING COMPANY)	Docket No. 50-322-OL-3
)	(Emergency Planning
(Shoreham Nuclear Power Station,)	Proceeding)
Unit 1)		

LILCO'S TESTIMONY ON CONTENTION 18
(ADEQUACY OF ZONE AND ROUTE INFORMATION)

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PURPOSE

Contention 18 alleges that people who do not have access to a Public Information Brochure during an emergency at Shoreham will not be able to identify either the zone in which they live or the prescribed evacuation route out of that zone; that even if people know the prescribed evacuation route from the zone in which they live, the LILCO Transition Plan does not provide means whereby people who are visiting other zones will be able to determine the evacuation route from that zone; and, finally, that the EBS messages do not describe the zones in which protective actions must be taken.

This testimony will show that there are a variety of sources, in addition to the Public Information Brochure, from which residents in the EPZ are able to identify the zone in which they live and the evacuation routes out of that zone, including (1) an insert in the Suffolk County telephone

directory, (2) an insert in community telephone directories, (3) refrigerator magnets, (4) automobile glovebox stickers, and (5) emergency posters and information flyers at commercial establishments in the EPZ.

There also are sufficient means by which transient persons can determine in which zone they are located and the evacuation routes from that zone, including (1) emergency posters and flyers at commercial establishments in the EPZ, (2) emergency posters at beaches and recreation areas, (3) inserts in community telephone directories, (4) trailblazer signs, (5) traffic guides, and (6) local persons who have access to the Public Information Brochure, a community telephone directory, or automobile glovebox stickers.

Finally, the testimony will show that the EBS messages provide for both a listing of the zones subject to the protective action recommendation and a boundary description, by major roads, of the combined zonal area affected by the recommendation.

Attachments

Attachment 1	Brochure Cover Showing Residents' Zone
Attachment 2	Brochure Map Showing Evacuation Routes from Residents' Zone
Attachment 3	Sample Suffolk County Telephone Book Insert
Attachment 4	Sample Community Telephone Book Insert

Attachment 5	Artist's Conception of a Refrigerator Magnet
Attachment 6	Artist's Conception of an Automobile Glovebox Sticker
Attachment 7	Sample Emergency Flyer for Commercial Establishments in the EPZ
Attachment 8	Sample Letter to Owners of Commercial Establishments in the EPZ
Attachment 9	Sample EBS Sticker for Commercial Establishments in the EPZ
Attachment 10	Sample Emergency Poster for Commercial Establishments in the EPZ
Attachment 11	OPIP 3.8.2, Attachment 4, Pages 23-38

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1. Q. Please identify yourselves.

A. [Clawson] My name is Carol A. Clawson and my address is Long Island Lighting Company, 250 Old Country Road, Mineola, New York 11501

[Cordaro] My name is Matthew C. Cordaro and my address is Long Island Lighting Company, 175 East Old Country Road, Hicksville, New York 11801.

[Daverio] My name is Charles A. Daverio and my address is Long Island Lighting Company, 100 East Old Country Road, Hicksville, New York 11801.

2. Q. Please summarize your professional qualifications and your role in emergency planning for the Shoreham Nuclear Power Station.

A. [Clawson] I am employed by LILCO as Associate

Director, Public Affairs. My professional qualifications are being offered into evidence as part of the document entitled "Professional Qualifications of LILCO Witnesses." I am responsible for the public information materials that are discussed in this testimony.

[Cordaro] I am Vice President of Engineering for LILCO. My professional qualifications are being offered into evidence as part of the document entitled "Professional Qualifications of LILCO Witnesses." I am on this panel to provide the LILCO management perspective on emergency planning and to answer any questions pertinent to management. My role in emergency planning for Shoreham is to ensure that the needs and requirements of emergency planning are being met and that the technical direction and content of emergency planning are being conveyed to corporate management. I accomplish this by supervising the development and implementation of the offsite emergency response plan for Shoreham; the Manager of the Local Emergency Response Implementing Organization (LERIO) reports directly to me.

[Daverio] I am employed by LILCO as Assistant Manager of LILCO's Local Emergency Response

Implementing Organization (LERIO). My professional qualifications are being offered into evidence as part of the document entitled "Professional Qualifications of LILCO Witnesses." In my capacity as Assistant Manager of LERIO, I am responsible for developing and implementing the local emergency response plan for Shoreham. As such, I am responsible for coordinating the development and implementation of the public information program.

3. Q. What is the preamble to Contentions 16-21?

A. The preamble to Contentions 16-21 reads as follows:

Preamble to Contentions 16-21. The NRC's emergency planning regulations require that the public receive information on a periodic basis on the nature and effects of radiation, protective measures which should be taken in the event of a radiological emergency, methods of public notification and other such information. 10 CFR Section 50.47(b)(7) and 10 CFR Part 50, Appendix E, Section IV.D.2. Public education materials should include written material that is likely to be available in a residence during an emergency, and in addition, measures must be taken to inform transients of the proper action to be taken during a radiological emergency. NUREG 0654, Sections II.G.1 and G.2. 10 CFR Section 50.47(b)(5) requires that there be means to provide notification and clear instruction to the populace within the plume exposure pathway EPZ and that the content of effective messages to the public must be established. See also NUREG 0654, Sections II.E.5 and 7. It is crucial to any radiological emergency response effort that the public have accurate and truthful knowledge of the nature of the threat,

the protective actions available and the effectiveness of such protective actions. Otherwise, public confusion and ignorance will hamper the emergency response and the public will be unable to take protective actions. If information is not provided clearly or is not understood or believed, the public will fail to take appropriate protective actions, resulting in increased exposure, and noncompliance with 10 CFR Sections 50.47(a)(1), 50.47(b)(10) and NUREG 0654 Sections II.J.9 and J.10.

4. Q. What is Contention 18?

A. Contention 18 reads as follows:

Contention 18. The proposed LILCO posters, telephone book inserts, and EBS messages do not tell the reader what zone he is in nor do they describe the zones in which protective actions must be taken or the prescribed routes to take from those zones. (See FEMA Report at 5, citing non-compliance with NUREG 0654, Section II.E.7.) Therefore, someone who does not have access to a brochure in the event of an emergency will be unable to identify his or her zone or to follow the prescribed evacuation route out of the zone of danger. Thus, these items are not effective and do not comply with 10 CFR Sections 50.47(b)(5) and 50.47(b)(7) and NUREG-0654 Sections II.E.5, E.6, E.7, G.1 and G.2. Further, even if people know the prescribed evacuation routes for the zone in which they live, the LILCO plan does not assure that if such people are visiting other zones (such as to pick up their children at a school which is in another zone), they will be able to determine quickly and reliably the prescribed routes by which to evacuate from that zone. Thus, the Plan fails to comply with 10 CFR Sections 50.47(a)(1) and 50.47(b)(10), and NUREG 0654 Sections II.J.9 and J.10, because protective actions cannot and will not be implemented.

5. Q. What are the legal standards cited in Contention 18?

A. The legal standards cited in Contention 18 are the following:

10 C.F.R. § 50.47(a)(1)

No operating license for a nuclear power reactor will be issued unless a finding is made by NRC that the state of onsite and offsite emergency preparedness provides reasonable assurance that adequate protective measures can and will be taken in the event of a radiological emergency.

10 C.F.R. § 50.47(b)(5).

Procedures have been established for notification, by a licensee, of State and local response organizations and for notification of emergency personnel by all organizations; the content of initial and followup messages to response organizations and the public has been established; and means to provide early notification and clear instruction to the populace within the plume exposure pathway Emergency Planning Zone have been established.

10 C.F.R. § 50.47(b)(7)

Information is made available to the public on a periodic basis on how they will be notified and what their initial actions should be in an emergency (e.g., listening to a local broadcast station and remaining indoors), the principal points of contact with the news media for dissemination of information during an emergency (including the physical location or locations) are established in advance, and procedures for coordinated dissemination of information to the public are established.

10 C.F.R. § 50.47(b)(10)

A range of protective actions have been developed for the plume exposure pathway EPZ for emergency workers and the public. Guidelines for the choice of protective actions during an emergency, consistent with Federal guidance, are developed and in place, and protective actions for the ingestion exposure pathway EPZ appropriate to the locale have been developed.

NUREG-0654, II.E.5

State and local government organizations shall establish a system for disseminating to the public appropriate information contained in initial and followup messages received from the licensee including the appropriate notification to appropriate broadcast media, e.g., the Emergency Broadcast System (EBS).

NUREG-0654, II.E.6

Each organization shall establish administrative and physical means, and the time required for notifying and providing prompt instructions to the public within the plume exposure pathway Emergency Planning Zone. (See Appendix 3.) It shall be the licensee's responsibility to demonstrate that such means exist, regardless of who implements this requirement. It shall be the responsibility of the State and local governments to activate such a system.

NUREG-0654, II.E.7

Each organization shall provide written messages intended for the public, consistent with the licensee's classification scheme. In particular, draft messages to the public giving instructions with regard to specific protective actions to be taken by occupants of affected areas shall be prepared and included as part of the State and local plans. Such messages should include the appropriate aspects of sheltering, ad hoc

respiratory protection, e.g., handkerchief over mouth, thyroid blocking or evacuation. The role of the licensee is to provide supporting information for the messages. For ad hoc respiratory protection see "Respiratory Protective Devices Manual" American Industrial Hygiene Association, 1963 pp. 123-126.

NUREG-0654, II.G.1

Each organization shall provide a coordinated periodic (at least annually) dissemination of information to the public regarding how they will be notified and what their actions should be in an emergency. This information shall include, but not necessarily be limited to:

- a. educational information on radiation;
- b. contact for additional information;
- c. protective measures, e.g., evacuation routes and relocation centers, sheltering, respiratory protection, radioprotective drugs; and
- d. special needs of the handicapped.

Means for accomplishing this dissemination may include, but are not necessarily limited to: information in the telephone book; periodic information in utility bills; posting in public areas; and publications distributed on an annual basis.

NUREG-0654, II.G.2

The public information program shall provide the permanent and transient adult population within the plume exposure EPZ an adequate opportunity to become aware of the information annually. The programs should include provision for written material that is likely to be available in a residence during an emergency. Updated information shall be disseminated

at least annually. Signs or other measures (e.g., decals, posted notices or other means, placed in hotels, motels, gasoline stations and phone booths) shall also be used to disseminate to any transient population within the plume exposure pathway EPZ appropriate information that would be helpful if an emergency or accident occurs. Such notices should refer the transient to the telephone directory or other source of local emergency information and guide the visitor to appropriate radio and television frequencies.

NUREG-0654, II.J.9

Each State and local organization shall establish a capability for implementing protective measures based upon protective action guides and other criteria. This shall be consistent with the recommendations of EPA regarding exposure resulting from passage of radioactive airborne plumes, (EPA-520/1-75-001) and with those of DHEW (DHHS)/FDA regarding radioactive contamination of human food and animal feeds as published in the Federal Register of December 15, 1978 (43 Fed. Reg. 58790).

NUREG-0654, II.J.10

The organization's plans to implement protective measures for the plume exposure pathway shall include:

. . .

- c. Means for notifying all segments of the transient and resident population;

I. Residential Population

- 6. Q. What do the intervenors allege about the adequacy of zone and evacuation route information for residents of the EPZ?

A. Contention 18 states that people who do not have access to a Public Information Brochure during an emergency at Shoreham will not know in which zone they live or the prescribed evacuation route out of that zone.

7. Q. How will residents of the EPZ be able to identify in which zone they live and the evacuation routes from that zone?

A. There are a variety of ways in which people will be able to identify in which zone they live and the evacuation routes from that zone. The cover of the Public Information Brochure, which will be distributed to people residing in the EPZ, clearly indicates in which zone a person is living. A brochure cover is appended to this testimony as Attachment 1. The brochure also includes a map showing in which zone the resident lives and the evacuation routes from that zone. A sample brochure map is appended to this testimony as Attachment 2. Moreover, people in the 10-mile EPZ can identify in which zone they live and the evacuation routes from that zone by several additional means.

First, an insert in the Suffolk County telephone directory will contain a map of the EPZ that will

identify the zones. The insert also will instruct people to tune to the designated EBS radio stations. A sample insert from the Suffolk County telephone book is appended to this testimony as Attachment 3.

Second, community telephone directories ("yellow books") will contain a map of the EPZ identifying all the zones, and additional maps showing the specific zones in that community and the evacuation routes from that zone. There are five pertinent community telephone directories in the EPZ, including the Moriches, North Folk, Patchogue, Port Jefferson, and Rocky Point yellow books. A sample insert for the yellow books is appended to this testimony as Attachment 4.

Third, refrigerator magnets will be distributed, along with the Public Information Brochure, throughout the EPZ. These magnets will identify both the zone of the home to which they are distributed and the EBS radio stations to which people should tune in the event of a radiological emergency. An artist's conception of a refrigerator magnet is appended to this testimony as Attachment 5.

Fourth, stickers for automobile gloveboxes will be distributed, along with the Public Information Brochure, throughout the EPZ. Each sticker will identify the zone of the home to which it is distributed and the evacuation routes from that zone. An artist's conception of the glovebox sticker is appended to the testimony as Attachment 6.

Fifth, emergency packets will be distributed to each of the approximately 4,000 non-residential LILCO customers in the EPZ. Each packet will include (a) a cover letter asking the owners of commercial establishments in the EPZ to display the enclosed public information materials in a prominent location, (b) a window display poster that shows the zone where the commercial establishment is located and the evacuation routes from that zone, (c) emergency flyers for the public that show the zone where the commercial establishment is located and the evacuation routes from that zone, (d) a holder for the flyers, (e) a postpaid card to request additional flyers, (f) a sticker instructing people to turn to EBS stations when they hear the siren, and (g) an adhesive arrow to be placed on the window display poster to indicate the location of the commercial establishment. A sample flyer,

cover letter, EBS sticker, and window display poster are appended to this testimony as Attachments 7-10 respectively.

Sixth, emergency posters will be located at beaches and recreations areas within the EPZ. These posters will identify the zone where the poster is located and the evacuation route from that zone. The poster will be similar to the sample poster in Attachment 10.

If a person, for some reason, did not have access to any of the above evacuation information, they simply could follow the blue and white trailblazer signs, which will be located along every major road. There also will be traffic guides posted on all major roads to assist people in evacuating. The trailblazer signs and traffic guides have been discussed in detail in the litigation of Contention 65.

II. Transient Persons

8. Q. How will people who are away from home and in an unfamiliar zone when a Shoreham emergency arises know the prescribed evacuation route from that zone?

- A. If a person is away from home when an evacuation is commenced, and wishes to evacuate immediately, without going home first to collect his family or belongings, he can determine the recommended route out of the zone primarily by referring to the blue and white trailblazer signs, which will be located along every major road. Also, traffic guides will be posted on all major roads to assist people in evacuating from that zone. The trailblazer signs and traffic guides have been discussed in detail in the litigation of Contention 65.

Alternatively, people can refer either to one of the emergency posters or flyers located at commercial establishments in the EPZ (see response to question 7 above), to one of the emergency posters at beaches and recreation areas within the EPZ, or to the map in the community telephone directory.

Finally, transient people can learn the evacuation routes out of an unfamiliar zone simply by asking someone who lives in the zone who has either a Public Information Brochure or an automobile glovebox sticker.

9. Q. How will people know where the emergency flyers and posters are located?
- A. The EBS messages in Revision 3 of the LILCO Transition Plan presently inform listeners that emergency posters are located in motels, restaurants, gas stations, public parks, beaches, and recreation areas in the EPZ. See OPIP 3.8.2, at pages 23-28, which are appended to this testimony as part of Attachment 11. The EBS messages will be modified in future revisions of the Plan to inform listeners that emergency flyers and posters have been provided to commercial establishments in the EPZ and that emergency posters are located at beaches and recreation areas within the EPZ.

III. EBS Messages

10. Q. How will people know if they are in a zone for which evacuation is the protective action recommendation?
- A. The EBS messages in Attachment 4 to OPIP 3.8.2 provide for both a listing of the zones subject to the protective action recommendation, see, e.g., Attachment 4 of OPIP 3.8.2 at 24, 27, and a boundary description, by major roads and landmarks, of the combined zonal area affected by the recommendation,

see Attachment 4 of OPIP 3.8.2 at 33-38. The EBS sample messages are appended to this testimony as Attachment 11.

Attachment 1

Shoreham Nuclear Power Station

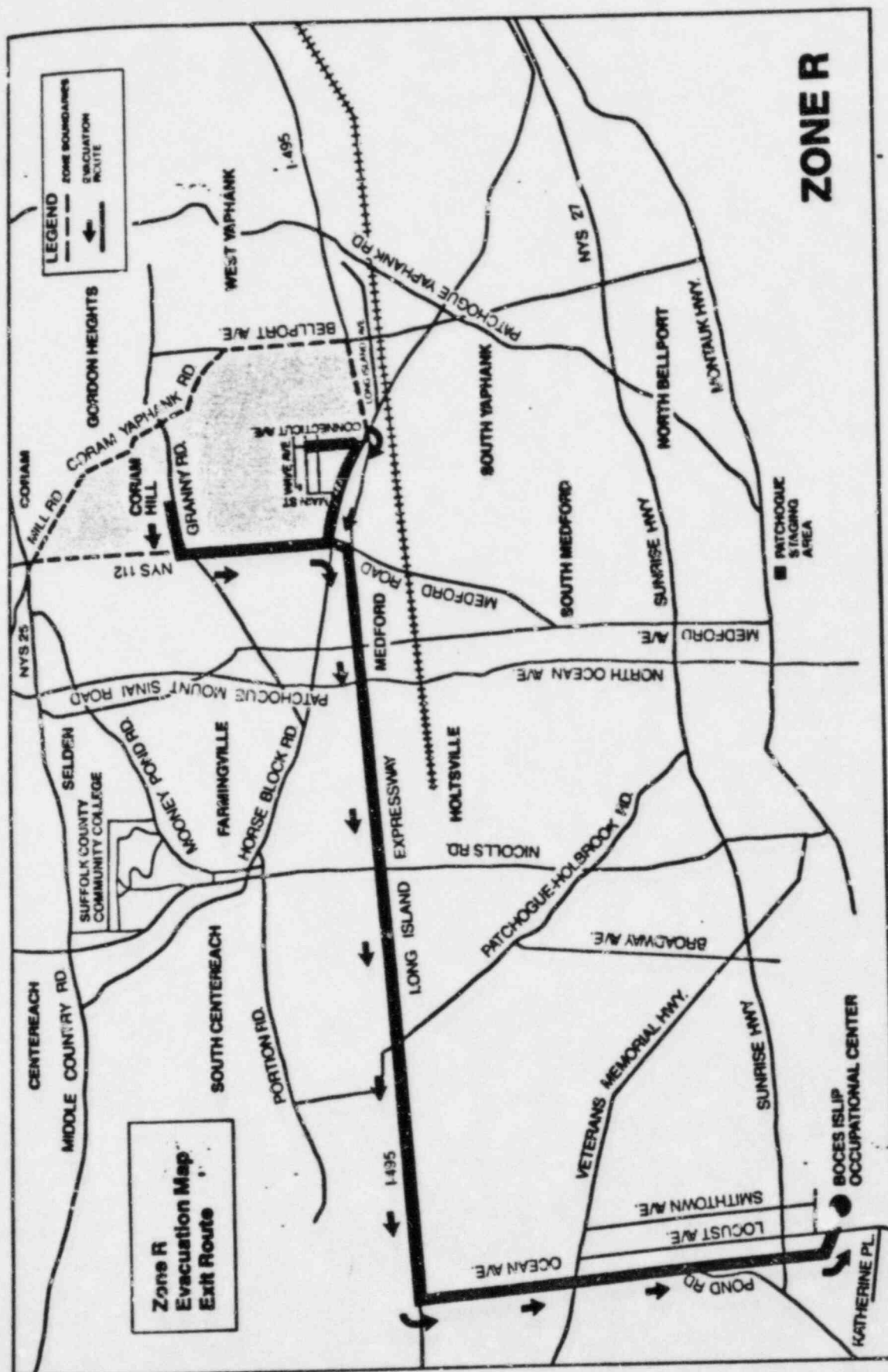
Public Emergency Procedures

Maps for Zone R

(Rev. 3)



Attachment 2



ZONE R

Displacement:

Zone R is south of Comm-Verphax's Road/1688 Road, east of Rr. 112, west of Bellport Avenue, and north of Horseblock Road (CR 16) and the Long Island Expressway (Rr. 485).

RELOCATION
CONTENT

PROCESSING INFORMATION

**ROUTING
ASSIGNMENTS:**

Most convenient to Rte. 112; Rte. 112 south to the Long Island Expressway (I-495, Exit 84); Rte. 1-495 west to exit 395 (Ocean Avenue); Ocean Avenue south to Locust Avenue and the ROCCS center.

Attachment 3

IMPORTANT INFORMATION

**SUFFOLK COUNTY
TELEPHONE BOOK
INSERT**

SHOREHAM NUCLEAR POWER STATION EMERGENCY INSTRUCTIONS

When you hear a siren sounding for three to five minutes:

1. Turn on your FM or AM radio
2. Tune to your local Emergency Broadcast System (EBS) station.
3. Listen for details and instructions.
4. You will know just what to do if you listen to EBS.

If there is an accident at the Shoreham Nuclear Power Station, it will be classified by its degree of seriousness. From least serious to most serious these classifications are: unusual event, alert, site area emergency and general emergency.

If an accident at Shoreham is serious enough to require public protective actions, it is important for you to know whether you are located in the 10-mile emergency planning area. If you are not located in the 10-mile emergency planning area there is no need for you to take any action.

The 10-mile emergency planning area is shown on the map. It is further divided into 19 zones, called Zone A through Zone S.

Any public protective action recommendations would be made for a specific zone or groups of zones. These recommendations would be made through the Emergency Broadcast System (EBS) radio stations listed.

If public protective action is required, you may be asked to "shelter." To shelter is to keep the family and pets indoors with outside sources of ventilation closed. If you are not at home or in a building when people in your zone are told to shelter, it is best to seek shelter inside the nearest building.

If people in your zone are advised to evacuate, it is best to leave the area as soon as possible. There are blue and white pathfinder signs located on major roadways in the emergency planning zone which will direct you along pre-designated routes out of the area. There will also be traffic guides at key locations to help speed evacuation.

If an accident occurs at Shoreham which requires people to evacuate their homes, relocation centers will be established outside the 10-mile planning area. There will be workers from the American Red Cross at the centers. The relocation centers are also shown on the map. They are: The BOCES Occupational Center Complex, Islip; The Suffolk County Community College, Selden Campus; and the State University at Stony Brook.

If you have any questions or may need special assistance in the event of an evacuation, please feel free to write to:

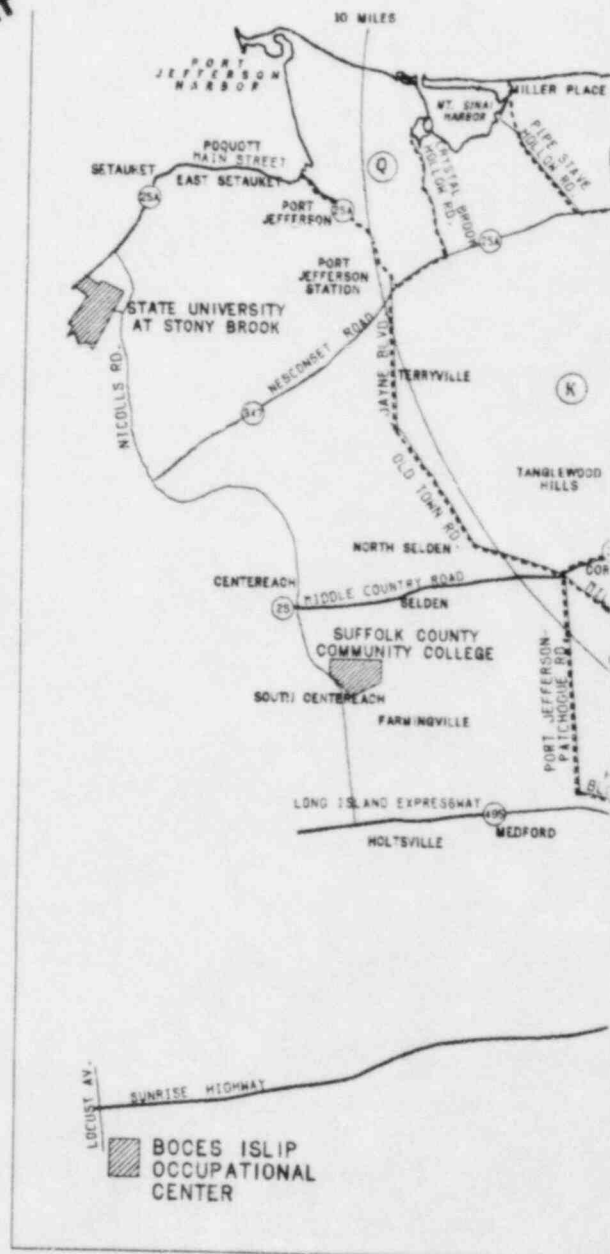
Local Emergency Response Organization
P.O. Box 624
Wading River, New York 11742

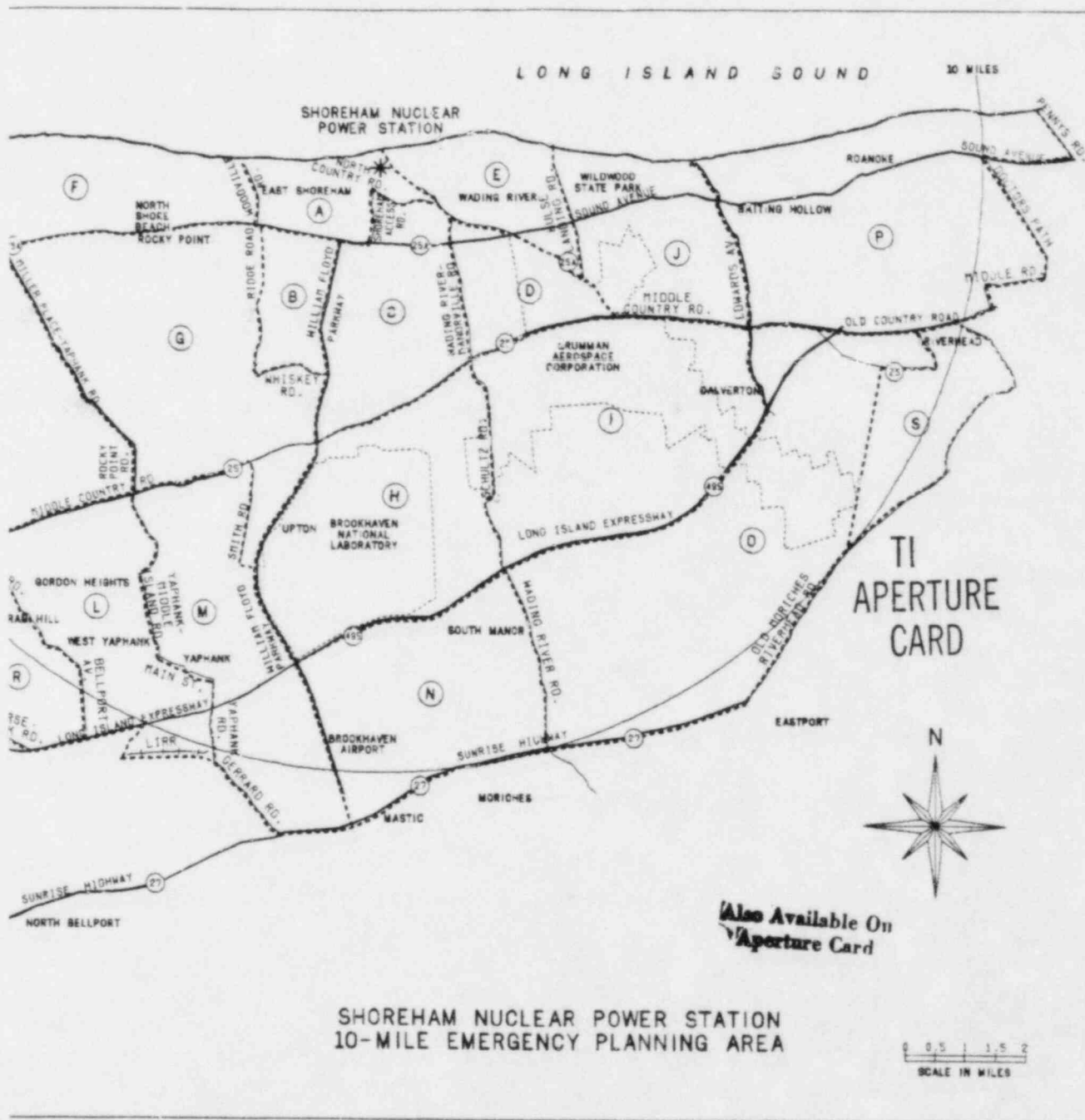
If you need special assistance during an emergency evacuation, please call 800-0000.

We want to help.

LOCAL EMERGENCY BROADCAST SYSTEM STATIONS:

AM STATIONS		FM STATIONS	
WBL-BABYLON	1290	WBL-PATCHOGUE	97.5
WAL-PATCHOGUE	1370	WBL-PATCHOGUE	106.1
WGS-MHUNTINGTON	740	WCTO-SMITHTOWN	94.3
WLM-PATCHOGUE	1580	WRCH-RIVERHEAD	103.9
WLK-ISLIP	540		
WRHO-RIVERHEAD	1570		
WRIV-RIVERHEAD	1390		





11800.EPZ.01

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Attachment 4

SHOREHAM NUCLEAR POWER STATION EMERGENCY INSTRUCTIONS

When you hear a siren sounding for three to five minutes:

1. Turn on your FM or AM radio
2. Tune to your local Emergency Broadcast System (EBS) station.
3. Listen for details and instructions.
4. You will know just what to do if you listen to EBS.

If there is an accident at the Shoreham Nuclear Power Station, it will be classified by its degree of seriousness. From least serious to most serious these classifications are: unusual event, alert, site area emergency and general emergency.

If an accident at Shoreham is serious enough to require public protective actions, it is important for you to know whether you are located in the 10-mile emergency planning area. If you are not located in the 10-mile emergency planning area there is no need for you to take any action.

The 10-mile emergency planning area is shown on the map. It is further divided into 19 zones, called Zone A through Zone S.

Any public protective action recommendations would be made for a specific zone or groups of zones. These recommendations would be made through the Emergency Broadcast System (EBS) radio stations listed.

If public protective action is required, you may be asked to "shelter." To shelter is to keep the family and pets indoors with outside sources of ventilation closed. If you are not at home or in a building when

people in your zone are told to shelter, it is best to seek shelter inside the nearest building.

If people in your zone are advised to evacuate, it is best to leave the area as soon as possible. Maps are included in this special supplement to guide you along predesignated routes for your zone. There are blue and white pathfinder signs located on major roadways in the emergency planning zone which will direct you along predesignated routes out of the area. And there will be traffic guides at key locations to help speed evacuation.

If an accident occurs at Shoreham which requires people to evacuate their homes, relocation centers will be established outside the 10-mile planning area. There will be workers from the American Red Cross at the centers. The relocation center for your zone is also designated on your zone map.

There are specific maps for every zone included in this Yellow Book circulation area. In some cases, zones are further divided into subzones for evacuation route purposes. Please take a moment now and familiarize yourself with your zone and evacuation route.

If you have any questions or may need special assistance in the event of an evacuation, please feel free to write to:

Local Emergency Response
Organization
P.O. Box 624
Wading River, New York 11742

If you need special assistance during an emergency evacuation, please call 000-0000.

We want to help.

LOCAL EMERGENCY BROADCAST SYSTEM STATIONS:

AM STATIONS

WBLI-BABYLON	1290
WALK-PATCHOGUE	1370
WGSM-HUNTINGTON	740
WLIM-PATCHOGUE	1580
WLIX-ISLIP	540
WRHD-RIVERHEAD	1570
WRIV-RIVERHEAD	1390

FM STATIONS

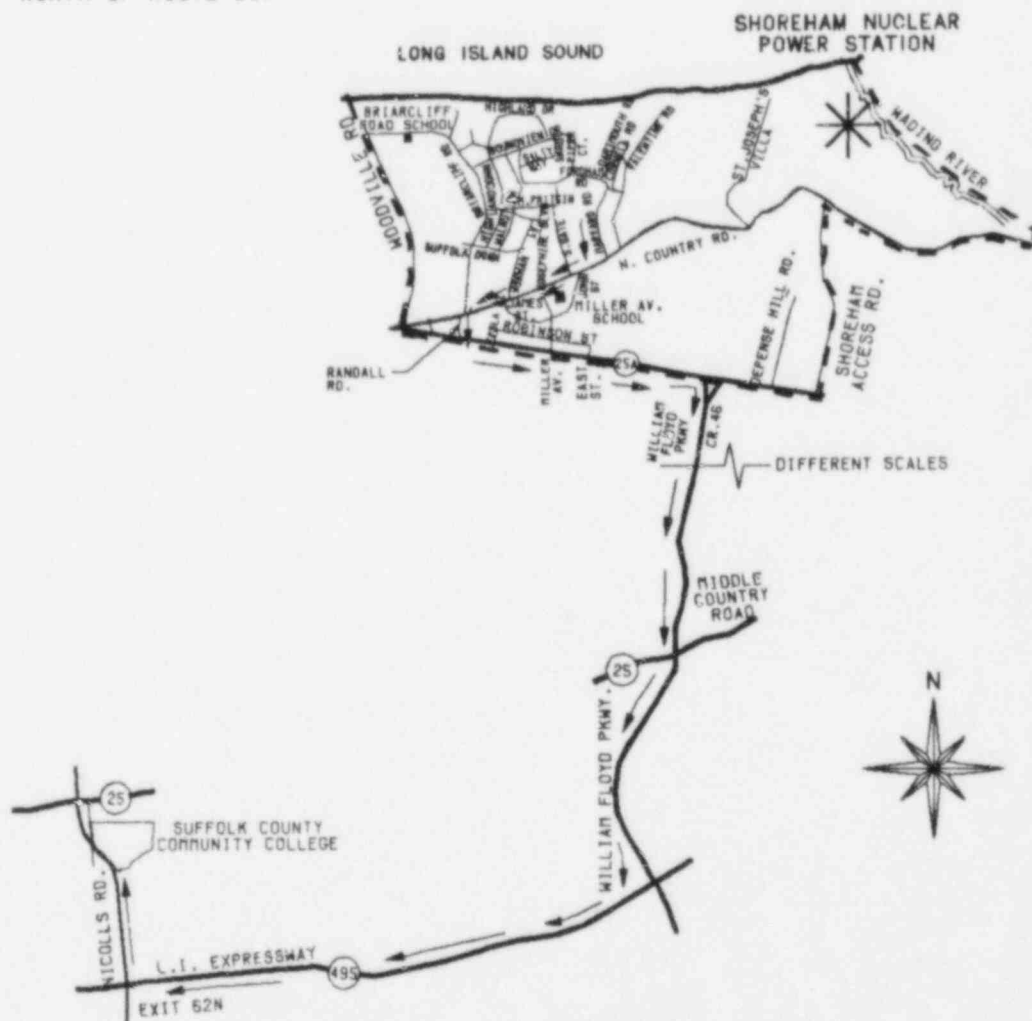
WALK-PATCHOGUE	97.5
WBLI-PATCHOGUE	106.1
WCTO-SMITHTOWN	94.3
WRCN-RIVERHEAD	103.9

**YELLOW
BOOK
INSERT**

ZONE A EVACUATION MAP

ZONE A BOUNDARIES ARE:

SOUTH OF THE LONG ISLAND SOUND
EAST OF WOODVILLE ROAD
WEST OF THE WADING RIVER AND SHOREHAM ACCESS ROAD
NORTH OF ROUTE 25A



ZONE A - ROUTE DIRECTIONS:

FOR TRIPS ORIGINATING NORTH OF NORTH COUNTRY ROAD-

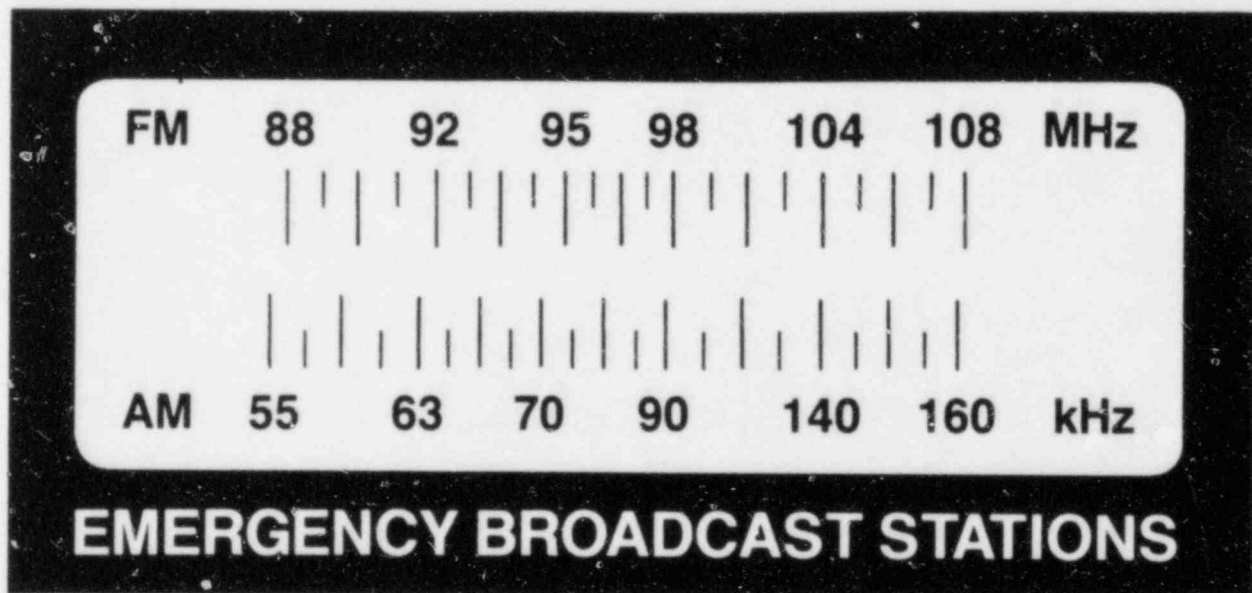
TAKE THE MOST CONVENIENT ROUTE TO NORTH COUNTRY ROAD. TAKE NORTH COUNTRY ROAD SOUTHWEST TO RANDALL ROAD; SOUTH ON RANDALL ROAD TO ROUTE 25A. TURN LEFT (EAST) ONTO 25A AND FOLLOW 25A TO THE WILLIAM FLOYD PARKWAY. TURN RIGHT (SOUTH) ONTO THE WILLIAM FLOYD PARKWAY. TAKE THE WILLIAM FLOYD PARKWAY TO THE LONG ISLAND EXPRESSWAY (I-495) WESTBOUND. TAKE I-495 WESTBOUND TO EXIT 62N - NICOLLS ROAD NORTHBOUND. TRAVEL ALONG NICOLLS ROAD TO SUFFOLK COUNTY COMMUNITY COLLEGE.

FOR TRIPS ORIGINATING SOUTH OF NORTH COUNTRY ROAD-

THOSE WITH ACCESS TO NORTH COUNTRY ROAD FOLLOW DIRECTIONS DESCRIBED ABOVE
THOSE WITH ACCESS TO ROUTE 25A, TAKE THE MOST CONVENIENT ROUTE SOUTH TO ROUTE 25A, TURN LEFT (EAST) ONTO 25A. TAKE 25A EAST TO THE WILLIAM FLOYD PARKWAY AND FOLLOW DIRECTIONS GIVEN ABOVE.

Attachment 5

**REFRIGERATOR
MAGNET**



**YOU ARE IN ZONE D
IN CASE OF NUCLEAR EMERGENCY
TUNE YOUR RADIO DIAL TO ANY
OF THE STATIONS LISTED BELOW:**

LOCAL EMERGENCY BROADCAST SYSTEM STATIONS:

AM STATIONS

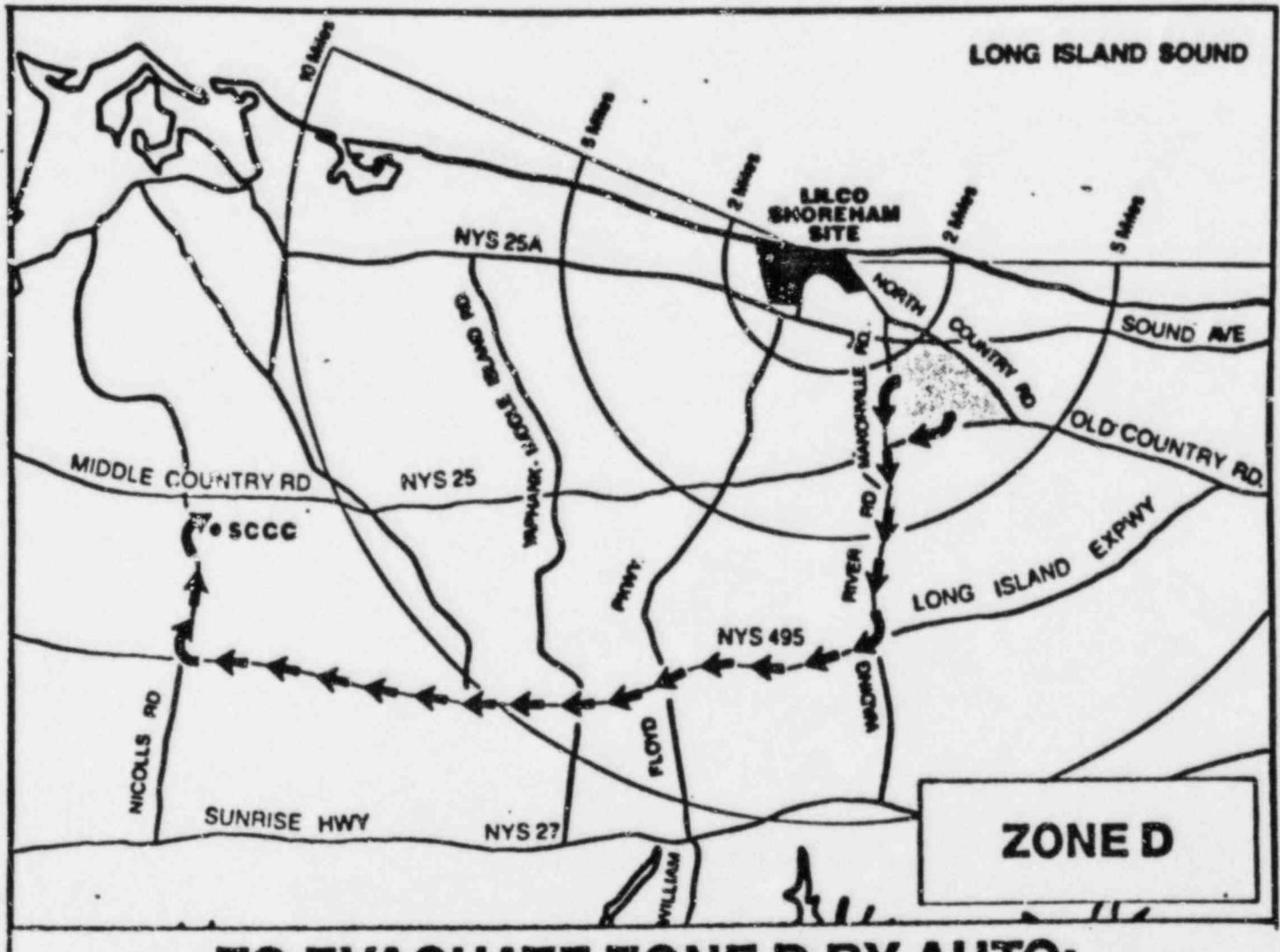
WBLI-BABYLON	1290
WALK-PATCHOGUE	1370
WGSM-HUNTINGTON	740
WLIM-PATCHOGUE	1580
WLIX-ISLIP	540
WRHD-RIVERHEAD	1570
WRIV-RIVERHEAD	1390

FM STATIONS

WALK-PATCHOGUE	97.5
WBLI-PATCHOGUE	106.1
WCTO-SMITHTOWN	94.3
WRCN-RIVERHEAD	103.9

Attachment 6

AUTO GLOVE BOX STICKER



TO EVACUATE ZONE D BY AUTO:

1. Take Wading River Road/Manorville Road South to the Long Island Expressway, traveling west.
2. Exit the Long Island Expressway at exit 62N (Nicolls Road).
3. Proceed North on Nicolls Road to Suffolk County Community College, (SCCC).

Attachment 7

SHOREHAM NUCLEAR POWER STATION EMERGENCY INSTRUCTIONS ZONE A EVACUATION ROUTE

ZONE A EVACUATION MAP

ZONE A BOUNDARIES ARE:

SOUTH OF THE LONG ISLAND SOUND
EAST OF WOODVILLE ROAD
WEST OF THE WADING RIVER AND SHOREHAM
ACCESS ROAD NORTH OF ROUTE 25A

SHOREHAM NUCLEAR
POWER STATION

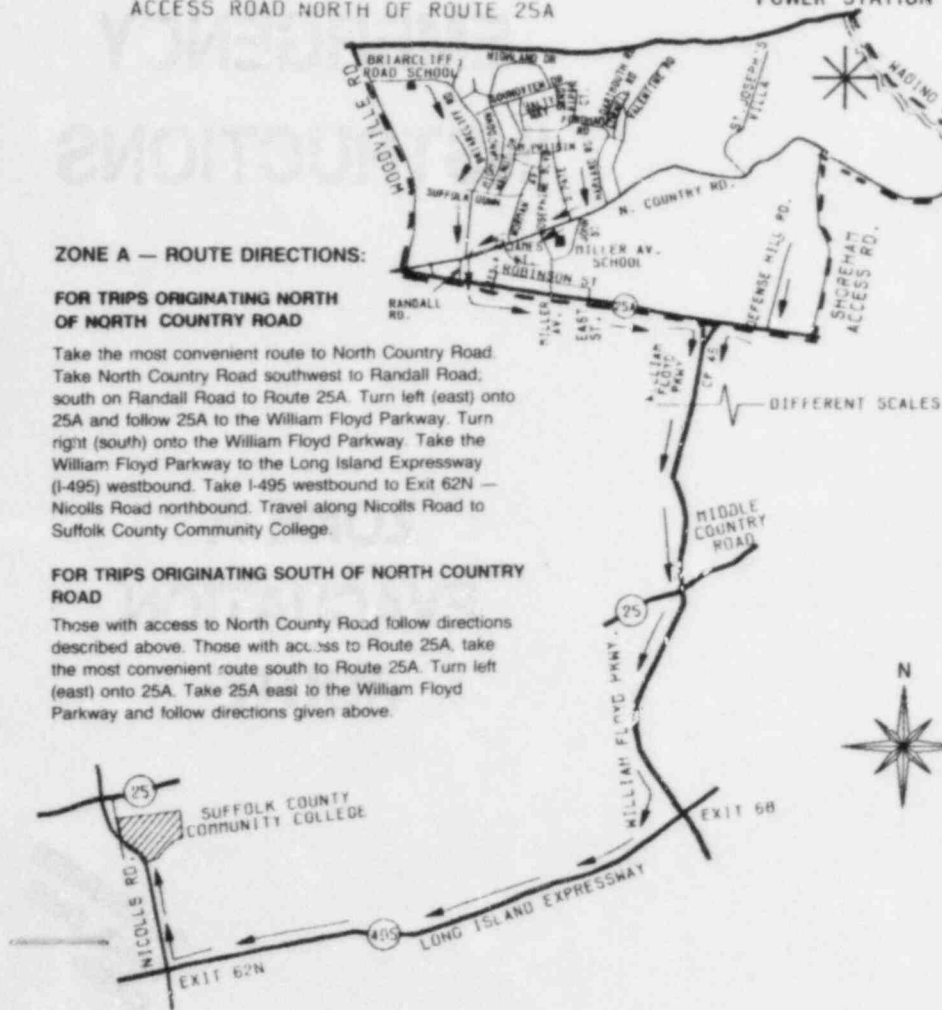
ZONE A — ROUTE DIRECTIONS:

FOR TRIPS ORIGINATING NORTH OF NORTH COUNTRY ROAD

Take the most convenient route to North Country Road. Take North Country Road southwest to Randall Road; south on Randall Road to Route 25A. Turn left (east) onto 25A and follow 25A to the William Floyd Parkway. Turn right (south) onto the William Floyd Parkway. Take the William Floyd Parkway to the Long Island Expressway (I-495) westbound. Take I-495 westbound to Exit 62N — Nicolls Road northbound. Travel along Nicolls Road to Suffolk County Community College.

FOR TRIPS ORIGINATING SOUTH OF NORTH COUNTRY ROAD

Those with access to North Country Road follow directions described above. Those with access to Route 25A, take the most convenient route south to Route 25A. Turn left (east) onto 25A. Take 25A east to the William Floyd Parkway and follow directions given above.



When you hear a siren sounding for three to five minutes:

1. Turn on your FM or AM radio.
2. Tune to your local Emergency Broadcast System (EBS) station.
3. Listen for details and instructions.
4. You will know just what to do if you listen to EBS.

If there is an accident at the Shoreham Nuclear Power Station, it will be classified by its degree of seriousness. From least serious to most serious these classifications are: unusual event, alert, site area emergency and general emergency.

If an accident at Shoreham is serious enough to require public protective actions, it is important for you to know whether you are located in the 10-mile emergency planning area. If you are not located in the 10-mile emergency planning area there is no need for you to take any action.

The 10 mile emergency planning area is shown on the map. It is further divided into 19 zones, called Zone A through Zone S.

THIS IS THE EVACUATION ROUTE MAP FOR ZONE A

Any public protective action recommendations would be made for a specific zone or groups of zones. These recommendations would be made through the Emergency Broadcast System (EBS) radio stations listed.

If public protective action is required, you may be asked to "shelter." To shelter is to keep the family and pets indoors with outside sources of ventilation closed. If you are not at home or in a building when people in your zone are told to shelter, it is best to seek shelter inside the nearest building.

If people in your zone are advised to evacuate, it is best to leave the area as soon as possible. There is a map and routing instructions in this flyer to direct you along predesignated roadways out of the area. There are also blue and white pathfinder signs located on major roadways in the emergency planning zone to direct you along specific routes out of the area. And there will be traffic guides at key locations to help speed evacuation.

If an accident occurs at Shoreham which requires people to evacuate their homes, relocation centers will be established outside the 10-mile planning area. There will be workers from the American Red Cross at the centers. The relocation center for this zone is Suffolk County Community College.

If you have any questions or may need special assistance in the event of an evacuation, please feel free to write to:

Local Emergency Response Organization
P.O. Box 624
Wading River, New York 11742

If you need special assistance during an emergency evacuation, please call 000-0000.
We want to help.

LOCAL EMERGENCY BROADCAST SYSTEM STATIONS:

AM STATIONS

WBL-BABYLON 1290
WALK-PATCHOGUE 1370
WGSB-HUNTINGTON 740
WLM-PATCHOGUE 1580
WLX-ISLIP 540
WHD-RIVERHEAD 1570
WRV-RIVERHEAD 1390

FM STATIONS

WALK-PATCHOGUE 97.5
WBL-PATCHOGUE 106.1
WCTO-SMITHTOWN 94.3
WRV-RIVERHEAD 103.9

Attachment 8

Dear Business Owner:

Federal Government regulations require that areas within a 10-mile radius of a nuclear power station be prepared in the unlikely event of an accident at the plant.

In compliance with these regulations, the Long Island Lighting Company will be distributing a variety of public information materials relating to emergency planning for the Shoreham Nuclear Power Station.

As part of our efforts to inform local residents about significant details of the plan, we have sent a public information brochure to every LILCO customer in the 10-mile emergency planning area.

It is important however, that non-residents in the area have access to this information as well.

As a public service for visitors to this area we are sending you a public information package for your establishment and would appreciate your displaying these materials in a prominent location.

The maps enclosed are specific to the zone in which you are located.

Included in the package are:

- 1- window display poster
- 25- vest pocket brochures
- 1- cardboard brochure holder
- 5- EBS stickers

Your participation in this effort will greatly assist our area preparations for an emergency condition.

We want to help and we deeply appreciate your cooperation.

Long Island Lighting Company

Local Emergency Response Organization

**LETTER
TO
BUSINESS
OWNERS**

Attachment 9

**WHEN YOU HEAR A SIREN SOUNDING
FOR THREE TO FIVE MINUTES:**

1. Turn on your FM or AM radio
2. Tune to your local Emergency Broadcast System (EBS) station.
3. Listen for details and instructions.
4. You will know just what to do if you listen to EBS.

LOCAL EMERGENCY BROADCAST SYSTEM STATIONS:**AM STATIONS**

WBLI-BABYLON	1290
WALK-PATCHOGUE	1370
WGSM-HUNTINGTON	740
WLIM-PATCHOGUE	1580
WLIX-ISLIP	540
WRHD-RIVERHEAD	1570
WRIV-RIVERHEAD	1390

FM STATIONS

WALK-PATCHOGUE	97.5
WBLI-PATCHOGUE	106.1
WCTO-SMITHTOWN	94.3
WRCN-RIVERHEAD	103.9

STICKER

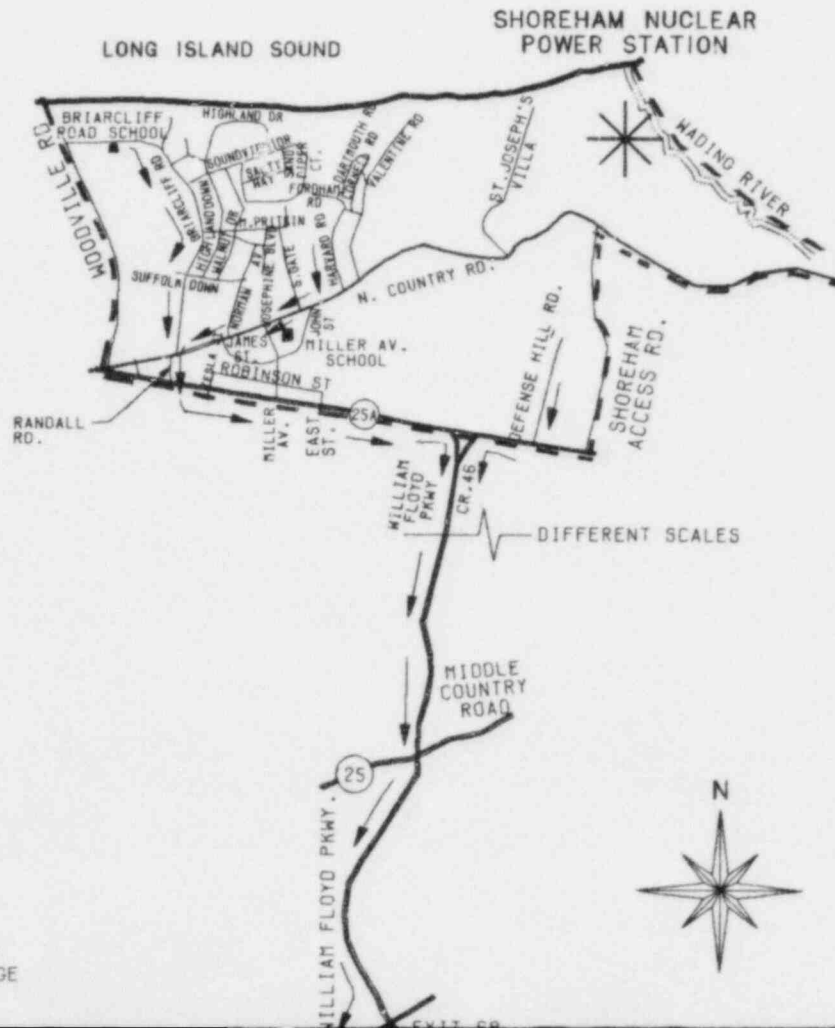
Attachment 10

SHOREHAM NUCLEAR POWER STATION ZONE A EVACUATION ROUTE

ZONE A EVACUATION MAP

ZONE A BOUNDARIES ARE:

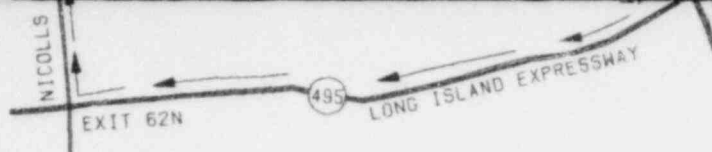
SOUTH OF THE LONG ISLAND SOUND
EAST OF WOODVILLE ROAD
WEST OF THE WADING RIVER AND SHOREHAM ACCESS ROAD
NORTH OF ROUTE 25A



TI
APERTURE
CARD



Also Available On
Aperture Card



ZONE A - ROUTE DIRECTIONS:

FOR TRIPS ORIGINATING NORTH OF NORTH COUNTRY ROAD-

TAKE THE MOST CONVENIENT ROUTE TO NORTH COUNTRY ROAD. TAKE NORTH COUNTRY ROAD SOUTHWEST TO RANDALL ROAD AND HEAD SOUTH ON RANDALL ROAD TO ROUTE 25A. TURN LEFT (EAST) ONTO 25A AND FOLLOW 25A TO THE WILLIAM FLOYD PARKWAY. TURN RIGHT (SOUTH) ONTO THE WILLIAM FLOYD PARKWAY. TAKE THE WILLIAM FLOYD PARKWAY TO THE LONG ISLAND EXPRESSWAY (I-495) WESTBOUND. TAKE I-495 WESTBOUND TO EXIT 62N - NICOLLS ROAD NORTHBOUND. TRAVEL ALONG NICOLLS ROAD TO SUFFOLK COUNTY COMMUNITY COLLEGE.

FOR TRIPS ORIGINATING SOUTH OF NORTH COUNTRY ROAD-

THOSE WITH ACCESS TO NORTH COUNTRY ROAD FOLLOW DIRECTIONS DESCRIBED ABOVE. THOSE WITH ACCESS TO ROUTE 25A, TAKE THE MOST CONVENIENT ROUTE SOUTH TO ROUTE 25A. TAKE ROUTE 25A TO THE WILLIAM FLOYD PARKWAY AND FOLLOW DIRECTIONS GIVEN ABOVE.

8403260379-02

EMERGENCY INSTRUCTIONS

When you hear a siren sounding for three to five minutes:

1. Turn on your FM or AM radio
2. Tune to your local Emergency Broadcast System (EBS) station.
3. Listen for details and instructions.
4. You will know just what to do if you listen to EBS.

If there is an accident at the Shoreham Nuclear Power Station, it will be classified by its degree of seriousness. From least serious to most serious these classifications are: unusual event, alert, site area emergency and general emergency.

If an accident at Shoreham is serious enough to require public protective actions, it is important for you to know whether you are located in the 10-mile emergency planning area. If you are not located in the 10-mile emergency planning area there is no need for you to take any action.

The 10 mile emergency planning area is divided into 19 zones, called Zone A through Zone S.

THIS IS THE EVACUATION ROUTE MAP FOR ZONE A

Any public protective action recommendations would be made for a specific zone or groups of zones. These recommendations would be made through the Emergency Broadcast System (EBS) radio stations listed.

If public protective action is required, you may be asked to "shelter." To shelter is to keep the family and pets indoors with outside sources of ventilation closed. If you are not at home

or in a building when people in your zone are told to shelter, it is best to seek shelter inside the nearest building.

If people in your zone are advised to evacuate, it is best to leave the area as soon as possible. Here is a map and routing instructions to direct you along predesignated roadways out of the area. There are also blue and white pathfinder signs located on major roadways in the emergency planning zone to direct you along specific routes out of the area. And there will also be traffic guides at key locations to help speed evacuation.

If an accident occurs at Shoreham which requires people to evacuate their homes, relocation centers will be established outside the 10-mile planning area. There will be workers from the American Red Cross at the centers. The relocation center for this zone is Suffolk County Community College.

If you have any questions or may need special assistance in the event of an evacuation, please feel free to write to:

Local Emergency Response Organization
P.O. Box 624
Wading River, New York 11742

If you need special assistance during an emergency evacuation, please call 000-0000. We want to help.

LOCAL EMERGENCY BROADCAST SYSTEM STATIONS:

AM STATIONS

WBLI-BABYLON	1290	WGSM-HUNTINGTON	740	WLIX-ISLIP	540	WRIV-RIVERHEAD	1390
WALK-PATCHOGUE	1370	WLIM-PATCHOGUE	1580	WRHD-RIVERHEAD	1570		

FM STATIONS

WALK-PATCHOGUE	97.5	WBLI-PATCHOGUE	106.1	WCOT-SMITHTOWN	94.3	WRCN-RIVERHEAD	103.9
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POSTER

8403260379-02

Attachment 11

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 one of four emergency classifications and indicates that there has been a failure in plant safety systems.

A release of radiation into the air occurred at (time). Based on measurements of radiation in the field/at the plant (select one), the following radiation exposures are projected: _____ millirem two miles downwind of the plant, _____ millirem five miles downwind of the plant, and _____ millirem ten miles downwind of the plant. The U.S. Environmental Protection Agency recommends sheltering for exposures of 1,000 millirem or larger and evacuation for doses 5,000 millirem or larger.

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.

The Director of Local Response for emergencies for the Shoreham Nuclear Power Station, (name), has consulted with (names, titles) _____ scientists, _____ LILCO 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 school to meet their children since children are being safely transported outside the zone to relocation centers. Parents should not go to relocation centers until advised to do so.

EBS SAMPLE MESSAGES
(continued)

MESSAGE G - GENERAL EMERGENCY (SHELTERING & EVACUATION)
(continued)

2. People within the 10-mile emergency planning zone should refer to their Shoreham Public Emergency Procedures Brochure to determine the planning zone in which they live.
3. Sheltering is recommended for people in some planning zones. Sheltering is to remain indoors with all windows and doors closed. Air conditioners/heaters should be turned off, fires should be extinguished, and fireplace dampers closed. The people who should shelter are in planning zones (identify by zone letters and area description). People in these zones will be safer if they shelter. They should not evacuate. People in the affected zones who are not at home should seek shelter inside buildings.
4. 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. Relocation centers and evacuation routes are listed in the Shoreham Public Emergency Procedures Brochure.
5. 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 conditions change in the future, these recommendations may change and we will inform you immediately.

To evacuate follow blue and white evacuation route signs posted on every major road. Trained traffic guides will direct you along evacuation routes.

If you have been advised to evacuate but do not have your own transportation and cannot obtain a ride from a neighbor or someone else, special buses will travel along emergency routes to transport you to a relocation center.

EBS SAMPLE MESSAGES
(continued)

MESSAGE G - GENERAL EMERGENCY (SHELTERING & EVACUATION)
(continued)

If you have a bedridden, handicapped, or other person in your home who needs special evacuation assistance and who has not previously registered with the Local Emergency Response Organization (LERO), please call (phone number). If you have previously registered, there is no need to call now, help will soon be on its way.

Before you leave your home or business, make sure you have closed all windows and doors, turned off all appliances, extinguished any fires, and closed fireplace dampers. Lock all doors when you leave and take blankets and pillows with you for your own use and any medication that you regularly take. You could be away for several days.

The 10-mile emergency planning zone circling Shoreham is roughly bounded by Main Street in downtown 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 monthly newsletters and other emergency information.

If you are located within the 10-mile planning zone and do not have a Shoreham Public Emergency Procedures Brochure, public information and a map of the zone are included in a special insert of the Suffolk County Telephone Book and a more detailed map is in the local Yellow Book.

Posters with emergency information have been provided to motels, restaurants, gas stations, public parks, beaches, and recreational facilities. The posters describe the recommended evacuation routes out of each zone.

Once again, the Shoreham Nuclear Power Station is in a General Emergency condition. There has been a release of radiation into the air. People living in emergency planning zones (identify by zone letters and area description) are advised to evacuate as soon as possible away from Shoreham. Relocation centers and evacuation routes are listed in the Shoreham Public Emergency Procedures Brochure. It is advised that people in planning zones (identify) shelter, that is, remain indoors with outside ventilation sources closed off.

This message will be repeated every fifteen minutes over 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 K - 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 one of four emergency classifications and indicates that there has been a failure in plant safety systems.

A release of radiation into the air occurred at (time). Based on measurements of radiation in the field/at the plant (select one), the following radiation exposures are projected: _____ millirem two miles downwind of the plant, _____ millirem five miles downwind of the plant, and _____ millirem ten miles downwind of the plant. The U.S. Environmental Protection Agency recommends sheltering for exposures of 1,000 millirem or larger and evacuation for doses 5,000 millirem or larger.

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.

The Director of Local Response for emergencies for the Shoreham Nuclear Power Station, (name), has consulted with (names, titles) _____ scientists, _____ LILCO 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 school to meet their children since children are being safely transported outside the zone to relocation centers. Parents should not go to relocation centers until advised to do so.

EBS SAMPLE MESSAGES
(continued)

MESSAGE H - GENERAL EMERGENCY (EVACUATION)
(continued)

2. People within the 10-mile emergency planning zone should refer to their Shoreham Public Emergency Procedures Brochure to determine the planning zone in which they 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. Relocation centers and evacuation routes are listed in the Shoreham Public Emergency Procedures Brochure.
4. 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.

To evacuate follow blue and white evacuation route signs posted on every major road. You will be directed along evacuation routes by trained traffic guides who know which way you should go.

If you have been advised to evacuate but do not have your own transportation and cannot obtain a ride from a neighbor or someone else, special buses will travel along emergency routes to transport you to a relocation center.

EBS SAMPLE MESSAGES
(continued)

MESSAGE H - GENERAL EMERGENCY (EVACUATION)
(continued)

If you have a bedridden, handicapped, or other person in your home who needs special evacuation assistance and who has not previously registered with the Local Emergency Response Organization (LERO), please call (phone number). If you have previously registered, there is no need to call now, help will soon be on its way.

Before you leave your home or business, make sure you have closed all windows and doors, turned off all appliances, extinguished any fires, and closed fireplace dampers. Lock all doors when you leave and take blankets and pillows with you for your own use and any medication that you regularly take. You could be away for several days.

The 10-mile emergency planning zone circling Shoreham is roughly bounded by Main Street in downtown 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 monthly newsletters and other emergency information.

If you are located within the 10-mile planning zone and do not have a Shoreham Public Emergency Procedures Brochure, public information and a map of the zone are included in a special insert of the Suffolk County Telephone Book and a more detailed map is in the local Yellow Book.

Posters with emergency information have been provided to motels, restaurants, gas stations, public parks, beaches, and recreational facilities. The posters describe the recommended evacuation routes out of each zone.

Once again, the Shoreham Nuclear Power Station is in a General Emergency condition. There has been a release of radiation into the air. It is advised that people in planning zones (identify) evacuate as soon as possible away from Shoreham. Relocation centers and evacuation routes are listed in the Shoreham Public Emergency Procedures Brochure.

This message will be repeated every fifteen minutes over 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 I - DE-ESCALATION OF EMERGENCY

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.

At (TIME) the emergency classification of _____ was de-escalated to the emergency classification of _____.

The Director of Local Response for emergencies for the Shoreham Nuclear Power Station, (name), has consulted with (names, titles) _____ scientists, _____ LILCO officials, _____ nuclear engineers, and _____ officials from _____ public agencies and has recommended the following public action:

(ENTER APPROPRIATE PUBLIC ACTION/RELATE PRIOR ACTIONS/RELATE TO ACTIONS THEY CAN NOW TAKE AND CURRENT RISK LEVELS IF ANY.)

Please stay tuned to this radio station for further information.
This message will be repeated every _____ minutes over this station.

OPIP 3.8.2
Page 30 of 38
Attachment 4
Page 20 of 22

EBS SAMPLE MESSAGES
(continued)

MESSAGE J

TERMINATION OF EMERGENCY

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.

The Director of Local Response for emergencies at the Shoreham Nuclear Power Station (name) has consulted with (names, titles) _____, scientists, _____, LILCO officials, _____ nuclear engineers, and _____ officials from public agencies and has stated the following:

At (TIME a.m./p.m.), it was determined that a radiation hazard no longer existed. People may resume their normal activities.

EBS SAMPLE MESSAGES
(continued)

MESSAGE K

TEST MESSAGE FOR EBS SYSTEM

This is a test of the Radiological Emergency Broadcast System in connection with a radiological emergency at the Shoreham Nuclear Power Station. This system has been developed by the Local Emergency Response Organization to keep people informed in the event of an emergency at the Shoreham Nuclear Power Station.

Had this been an actual emergency, you would have been instructed to stay tuned to this EBS radio station for further information and instructions.

The Shoreham emergency brochure mailed to all emergency planning zone residents contains information that would have been useful for you to know had this been a real emergency.

This has been only a test.

This message will be repeated.

EBS SAMPLE MESSAGES
(continued)

MESSAGE L

SPURIOUS ACTIVATION MESSAGE OF PROMPT NOTIFICATION SIRENS

This is the Emergency Broadcast System.

The Emergency Broadcast System has been activated due to a mistaken sounding of the Shoreham Nuclear Power Station sirens.

This is not an emergency.

Due to a technical difficulty, the prompt notification sirens were inadvertently activated.

Local Emergency Response Organization personnel have checked and verified that there is NO EMERGENCY at the Shoreham Nuclear Power Station.

The Shoreham emergency brochure mailed to all emergency planning zone residents contains information that would have been useful for you to know, had this been a real emergency.

DESCRIPTION OF PLANNING ZONES/AREAS FOR SUFFOLK COUNTY

Wind Direction (From)	Zones	Area Description
//////	0 - 2 Miles	
All	A, B, C, D, & E	The area in East Shoreham east of Woodville Road and Ridge Road, south to Whiskey Road. The area north of Whiskey Road and east of Ridge Road. The area north of 25 between William Floyd Parkway and 25A. The area in Wading River west of Hulse Landing Road.
//////	0 - 5 Miles	
ESE	A - E, F	The area north of 25A between Pipe Stave Hollow Road in Miller Place and Hulse Landing Road in Wading River. Plus the area north of 25 between William Floyd Parkway and 25A. The area north of Whiskey Road, east of Ridge Road.
E ENE NE	A - E, F, G	The area in Miller Place east of Pipe Stave Hollow Road and north of 25A. The area east of Miller Place-Yaphank Road between 25A and 25. The area north of 25 between Miller Place-Yaphank Road and 25A, plus the area between Smith Road and William Floyd Parkway. The area north of 25 between William Floyd Parkway and 25A. The area in Wading River west of Hulse Landing Road.
NNE	A - E, C, H	The area east of Woodville Road in East Shoreham. The area east of Miller Place-Yaphank Road between 25 and 25A. The area between Smith Road and William Floyd Parkway. The area north of the LIE between William Floyd Parkway (Exit 68) and Exit 69. The area in Wading River north of 25 and west of Hulse Landing Road.

DESCRIPTION OF PLANNING ZONES/AREAS FOR THE SUFFOLK COUNTY
(continued)

Wind Direction (From)	Zones	Area Description
//////	0 - 5 Miles (continued)	
N	A - E, G, H, I	The area east of Woodville Road in East Shoreham. The area east of Miller Place-Yaphank Road between 25 and 25A. The area between Smith Road and William Floyd Parkway. The area north of the LIE between William Floyd Parkway (Exit 68) and Edwards Avenue (Exit 71). The area west of Hulse Landing Road in Wading River.
NNW	A - E, H, I	The area in East Shoreham east of Woodville Road and Ridge Road, as far south as Whiskey Road. The area north of Whiskey Road, east of Ridge Road. The area north of the LIE between the William Floyd Parkway (Exits 68) and Exit 71. The area west of Hulse Landing Road in Wading River.
NW	A - E, H, I, J	The area in East Shoreham east of Woodville Road and Ridge Road, as far south as Whiskey Road. The area north of Whiskey Road, east of Ridge Road. The area north of the LIE between the William Floyd Parkway (Exit 68) and Exit 71. The area west of Edwards Avenue, including Wildwood State Park.
WNW	A - E, I, J	The area in East Shoreham east of Woodville Road and Ridge Road, as far south as Whiskey Road. The area north of Whiskey Road. The area north of 25 between William Floyd Parkway and Wading River-Manorville Road. The area north of the LIE between Exit 69 and Edwards Avenue (Exit 71). The area west of Edwards Avenue, including Wildwood State Park.

DESCRIPTION OF PLANNING ZONES/AREAS FOR THE SUFFOLK COUNTY
(continued)

Wind Direction (From)	Zones	Area Description
////////////////	0 - 5 Miles (continued)	
W WSW	A - E, J	The area in East Shoreham east of Woodville Road and Ridge Road, south to Whiskey Road. The area north of Whiskey Road, east of Ridge Road. The area north of 25 between William Floyd Parkway to Edwards Avenue. The area west of Edwards Avenue, including Wildwood State Park.
All	A - J	The area in Miller Place east of Pipe Stave Hollow Road and north of 25A. The area east of Miller Place-Yaphank Road between 25A and 25. The area north of 25 between Miller Place-Yaphank Road and 25A, plus the area between Smith Road and William Floyd Parkway. The area north of the LIE between William Floyd Parkway (Exit 68) and Edwards Avenue (Exit 71). The area west of Edwards Avenue, including Wildwood State Park.
////////////////	0 - 10 Miles	
N	A - J, L, M, N, O, R	The area in Miller Place east of Pipe Stave Hollow Road and north of 25A. The area east of Miller Place-Yaphank Road. The area east of Port Jefferson-Patchogue Road between 25 and the LIE. The area north of the Sunrise Highway between Gerard Road and Old Moriches-Riverhead Road. The area east of Old Moriches-Riverhead Road within the Town of Brookhaven. The area south of Old Country Road, west of Mill Road. The area west of Edwards Avenue, including Wildwood State Park.

DESCRIPTION OF PLANNING ZONES/AREAS FOR THE SUFFOLK COUNTY
(continued)

Wind Direction (From)	Zones	Area Description
0 - 10 Miles (continued)		
NNW	A - J, M, N, O	The area in Miller Place east of Pipe Stave Hollow Road and north of 25A. The area east of Miller Place-Yaphank Road, Middle Island Road, Yaphank-Middle Island Road, and Gerard Road to Sunrise Highway. The area north of Sunrise Highway between Gerard Road and Old Moriches-Riverhead Road. The area east of Old Moriches-Riverhead Road within the Town of Brookhaven. The area south of Old Country Road, west of Mill Road. The area west of Edwards Avenue, including Wildwood State Park.
NW	A - J, N, O, S, P	The area in Miller Place east of Pipe Stave Hollow Road and north of 25A. The area east of Miller Place-Yaphank Road between 25 and 25A. The area east of William Floyd Parkway south to Sunrise Highway, plus the area in Upton between Smith Road and William Floyd Parkway. The area north of the Sunrise Highway between William Floyd Parkway and Old Moriches-Riverhead Road. The area west of Old Moriches-Riverhead Road to Osborne Avenue in Riverhead. The area west of Doctor's Path and Pennys Road.
WNW W	A - J, O, P, S	The area in Miller Place east of Pipe Stave Hollow Road and north of 25A. The area east of Miller Place-Yaphank Road between 25 and 25A. The area north of Middle Island Road and William Floyd Parkway, plus the area between Smith Road and William Floyd Parkway in Upton. The area north of the LIE from Exit 68 to Exit 69. The area north of the Sunrise Highway from Chichester Avenue to Old Moriches-Riverhead Road. The area west of Old Moriches-Riverhead Road to Osborne Avenue in Riverhead. The area west of Doctor's Path and Pennys Road.

DESCRIPTION OF PLANNING ZONES/AREAS FOR THE SUFFOLK COUNTY
(continued)

Wind Direction (From)	Zones	Area Description
////////, //	0 - 10 Miles (continued)	
NE	A - J, Q, K, L, R, M	The area east of Main Street in Port Jefferson, east of Jayne Boulevard, Old Town Road, and Port Jefferson-Patchogue Road. North of the LIE between Exits 64 and 66. The area north of Sunrise Highway between Gerard Avenue and William Floyd Parkway in Yaphank. The area north of the LIE from William Floyd Parkway (Exit 68) to Edwards Avenue (Exit 71) and the area west of Edwards Avenue, including Wildwood State Park.
NNE	A - J, K, L, M, N, R	The area in Mt. Sinai east of Crystal Brook Hollow Road. The area east of Jayne Boulevard, Old Town Road, and Port Jefferson-Patchogue Road. North of the LIE between Exits 64 and 66. The area north of Sunrise Highway between Gerard Avenue and William Floyd Parkway in Yaphank. The area north of the LIE from William Floyd Parkway (Exit 68) to Edwards Avenue (Exit 71) and the area west of Edwards Avenue, including Wildwood State Park.

DESCRIPTION OF PLANNING ZONES/AREAS FOR THE SUFFOLK COUNTY
(continued)

Wind Direction (From)	Zones	Area Description
//////////	0 - 10 Miles (continued)	
WSW	A - J, P	The area in Miller Place east of Pipe Stave Hollow Road and north of 25A. The area east of Miller Place-Yaphank Road between 25A and 25. The area north of 25 between Miller Place-Yaphank Road and 25A, plus the area between Smith Road and William Floyd Parkway. The area north of the LIE between William Floyd Parkway (Exit 68) and Edwards Avenue (Exit 71). The area north of Old Country Road between Edwards Avenue and Roanoke Avenue. The areas west of Doctor's Path, north of Middle Road, and the area west of Pennys Road.
E ESE	A - J, K, Q	The area east of Main Street in Port Jefferson, east of Jayne Boulevard, and Old Town Road to 25. North of 25 between Old Town Road and William Floyd Parkway, plus the area between Smith Road and William Floyd Parkway in Upton. The area north of the LIE between the William Floyd Parkway (Exit 68) and Edwards Avenue (Exit 71). The area west of Edwards Avenue, including Wildwood State Park.
ENE	A - J, K, Q, L, R	The area east of Main Street in Port Jefferson, east of Jayne Boulevard, Old Town Road, and Port Jefferson-Patchogue Road to Horse Block Road. North of the LIRR tracks between Horse Block Road and Yaphank Road in West Yaphank. West of Yaphank-Middle Island Road in Gordon Heights. The area north of 25 from Middle Island Road to William Floyd Parkway, plus the area between Smith Road and William Floyd Parkway in Upton. The area north of the LIE from the the William Floyd Parkway (Exit 68) to Edwards Avenue (Exit 71). The area west of Edwards Avenue, including Wildwood State Park.

DESCRIPTION OF PLANNING ZONES/AREAS FOR THE SUFFOLK COUNTY
(continued)

Wind Direction (From)	Zones	Area Description
////////////////	0 - 10 Miles (continued)	
NE	A - J, Q, K, L, R, M	The area east of Main Street in Port Jefferson, east of Jayne Boulevard, Old Town Road, and Port Jefferson-Patchogue Road. North of the LIE between Exits 64 and 66. The area north of Sunrise Highway between Gerard Avenue and William Floyd Parkway in Yaphank. The area north of the LIE from William Floyd Parkway (Exit 68) to Edwards Avenue (Exit 71) and the area west of Edwards Avenue, including Wildwood State Park.
NNE	A - J, K, L, M, N, R	The area in Mt. Sinai east of Crystal Brook Hollow Road. The area east of Jayne Boulevard, Old Town Road, and Port Jefferson-Patchogue Road. North of the LIE between Exits 64 and 66. The area north of Sunrise Highway between Gerard Avenue and William Floyd Parkway in Yaphank. The area north of the LIE from William Floyd Parkway (Exit 68) to Edwards Avenue (Exit 71) and the area west of Edwards Avenue, including Wildwood State Park.

LILCO, March 22, 1984

CERTIFICATE OF SERVICE

In the Matter of
LONG ISLAND LIGHTING COMPANY
(Shoreham Nuclear Power Station, Unit 1)
Docket No. 50-322-OL-3
(Emergency Planning Proceeding)

I hereby certify that copies of LILCO's TESTIMONY ON CON-
TENTION 18 (ADEQUACY OF ZONE AND ROUTE INFORMATION) have been
served this date upon the following by first-class mail, post-
age prepaid, or (as indicated by two asterisks) by Federal Ex-
press:

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