

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,) (School Bus Driver Issue)
Unit 1))

LILCO'S SUPPLEMENTAL TESTIMONY ON THE REMANDED
ISSUE OF "ROLE CONFLICT" OF SCHOOL BUS DRIVERS

1. Q. Please state your name and business address.
A. [Crocker] My name is Douglas M. Crocker. My business address is Long Island Lighting Company, 131 Hoffman Lane, Central Islip, New York 11722.

2. Q. Please state your professional qualifications.
A. [Crocker] My professional qualifications and background are detailed on pages 1 and 4-5 of our earlier testimony, Testimony of Crocker, et al. on the Remanded Issue of 'Role Conflict' of School Bus Drivers, dated April 13, 1988. My resume is Attachment 1 to that testimony.

3. Q. Would you briefly describe the purpose and scope of this supplemental testimony?
A. [Crocker] This testimony does three things: 1) it replaces Attachment M (draft pages II-19 through II-21 of the plan) and Attachment N (draft OPIP 3.6.3, Attachment 14) to our earlier testimony on "role conflict" with Attachments O and P, respectively, which contain the Revision 10 versions of those pages and procedure, 2) it describes the changes that were made to those draft portions of the plan, and 3) it describes two additional changes in Revision 10 that effect LERO's school bus driver program.

4. What is Revision 10 of the LERO Plan?
- A. [Crocker] Revision 10 is the most recent update of the LERO Plan. It incorporates the FEMA RAC's comments on Revision 9 and addresses some of the concerns raised by the Frye Board in its initial decision on the 1986 Shoreham exercise. Revision 10 will be distributed to the Board and all parties within the next two weeks. Those portions of the LERO Plan that are attached to this testimony and that are discussed here are the same portions that will appear in Revision 10.

5. What changes have been made in Revision 10 that are different from that contained in Attachments M and N to your earlier testimony?

- A. [Crocker] Revision 10 makes one change to the plan pages in Attachment M. That is, page E-20a of Revision 10 now states LILCO's understanding that some regular school bus drivers take their buses home during the school day. It further states LILCO's belief that these drivers, at a minimum, will return their buses to the bus yard to pick up their own vehicle before evacuating if they decide not to drive during a Shoreham emergency.

Revision 10 also makes some minor changes to the LERO School Bus Driver Procedure, OPIP 3.6.5, Attachment 14, which is Attachment N to LILCO's earlier testimony. Generally, it elaborates on what each LERO school bus driver will do if called upon to evacuate schools. It also states that each bus should be loaded with 2 students per seat for high school and 3 per seat for elementary and junior high. These additions to the procedure conform with what I said in my earlier testimony. The procedure also states LERO's intention to provide each regular bus driver who has not received LERO training with KI (potassium iodide) and a TLD for her use if

one of our drivers accompanies her on the bus. (If the regular driver drives alone, then she would receive the complete assignment packet herself.)

6. Are there other changes in Revision 10 that affect LILCO's approach to its school bus driver program?

A. [Crocker] Yes, there are two other minor changes. First, LERO has decided to provide 21 extra LERO drivers to evacuate the Longwood Middle/Junior High School. See OPIP 3.6.5, Attachment 3a (Rev. 10). In Revision 9 of the Plan we provided only enough drivers to transport half of the student population, since this school is on split sessions. We have since decided, however, to provide enough drivers to evacuate the total student population at this school, because there is a small window of time when all of the students are at the school at the same time.

The other change in Revision 10 affects how LERO would provide transportation for handicapped students who attend school in the EPZ. If schools are in session, LERO's Revision 9 procedures provide that the LERO school coordinators in the EOC will call each school district and private school to see what action the schools intend to take and to see if they need assistance. Under Revision 10, they will also ask each school district and private schools if they need any special vehicles to evacuate handicapped students. See OPIP 3.6.5, Attachment 1 (Rev. 10). If the schools do need special vehicles, LERO will dispatch ambulettes to the schools to evacuate the handicapped students.

7. Does this conclude your supplemental testimony?

A. [Crocker] Yes.

For a complete summary of each organization, and its transportation and relocation plans, refer to the Evacuation Procedures of this Appendix.

Schools

This section covers public and private schools, including nursery schools, which are listed in Section IV of this Appendix.

Officials of public and private schools located in the 10-mile Emergency Planning Zone as well as schools located outside the EPZ but with students who live in the EPZ have the responsibility in a radiological emergency of providing their students with the best possible protection. There are three general alternatives available to provide for the safety of the children during an emergency. The first alternative is an early dismissal, whereby all students would be returned to their homes. The second alternative is evacuation, whereby all students would be relocated to reception centers outside the 10-mile Emergency Planning Zone (EPZ). The third alternative is sheltering students at their schools until conditions are safe for the children to either return home or be relocated. The best alternative will depend on the nature of the emergency, plant conditions, weather conditions, and time of day. The specific course of action recommended for each emergency classification is discussed below.

In the event of an emergency, schools in session will be notified of any Alert or higher emergency classification by the Emergency Broadcast System and by telephone. Each public school district, parochial school, and nursery school in the EPZ will have a tone alert receiver which will automatically activate and transmit the EBS message. The EBS message will advise the schools to implement specific protective actions and may contain general information about the condition of the plant, radiological conditions, etc. In addition, each school district superintendent and individual in charge of the private schools in the EPZ will be contacted by telephone by either the Public Schools Coordinator or Private Schools Coordinator to verify that the EBS message was received and to receive requests for additional assistance.

While LERO will advise the school officials on what protective actions should be taken, the final decision lies with the School District Superintendent and private school administrators. LERO will broadcast EBS messages announcing the protective actions taken by each school district and private school.

If an Alert or higher emergency classification is declared when schools are in the process of opening, and no protective action recommendation has been given to the public, school officials will be advised to have arriving buses return their students to their homes, and to have students who do not normally use buses return home in their usual manner. If school is not in session and an Alert or higher emergency classification is declared, school officials will be advised to cancel classes for all schools in the EPZ until the emergency is terminated.

If an Alert or Site Area Emergency is declared while schools are in session, schools will be advised to either cancel school or dismiss their students early. If any school district informs LERO that they are not implementing the recommended action, then LERO will mobilize the LERO school bus driver for all schools. If a parochial or nursery school informs LERO that they are not implementing early dismissal, then LERO will mobilize the needed buses from the Patchogue Staging Area as a special dispatch.

If schools within the EPZ are still in session when a protective action is recommended for the general public in any area of the EPZ, the schools will be advised to take the same protective action. That is, if some combination of sheltering and no action is recommended for the general public, then the schools would be advised to shelter and put their buses on standby. If some combination of sheltering and evacuation is recommended for the general public, then the schools would be advised to evacuate to the School Relocation Centers. If schools are in the process of opening, then they will be advised to implement sheltering or evacuation, as appropriate, when their students arrive.

Upon a decision by school officials to evacuate schools in the EPZ, school children will be transported by bus directly to one of two centers outside the EPZ that have been designated as relocation centers: the Nassau Coliseum or the Nassau Community College. Facilities at the Coliseum and the Community College are adequate to accommodate all of the approximately 28,000 children enrolled in public and private schools in the EPZ. Some schools, however, have made arrangements to use other facilities as relocation centers.

School districts on Long Island provide bus transportation for approximately one half of their students. School districts also provide some transportation for parochial schools. Private schools provide minimal transportation. Thus, in the event of an emergency requiring evacuation, school districts in the EPZ would be unable by themselves to evacuate all students at the same time. To provide for the capability of a "one-wave" evacuation, LERO has arranged with various bus companies on Long Island to obtain "first-call" rights to enough additional buses so that when combined with buses already provided by the schools, all school children could be evacuated in one "wave" of buses. The number of buses required is based upon 40 high school students per bus or 60 elementary school students per bus.

It is often the case that the regular school bus drivers take their buses home during the school day. In the case of an evacuation, these buses will be mobilized by the low yard dispatcher. Even if the regular school bus driver decides not to drive their bus during a Shoreham emergency it is presumed (s)he would return in the bus to the bus yard to pick up her personal car; thus making the bus available for a LERO bus driver.

LERO will provide additional trained auxiliary bus drivers to ensure that all necessary buses are manned. LERO bus drivers will be pre-assigned to designated bus yards and will be mobilized automatically if an evacuation is recommended or if any public

school district does not implement early dismissal while schools are in session. Bus drivers will pick up dosimetry and school assignments at the bus yards. This equipment will be either stored at the bus yard or brought by a LERO school bus driver to the bus yard. LERO bus drivers will be available to drive LERO-supplied buses and any regular school bus for which a regular driver is not available. The plan provides enough LERO bus drivers to ensure 150 percent of total bus driver needs.

Students will be transported by bus to a pre-assigned location either at the Nassau Coliseum or the Nassau Community College where they will wait to be picked up by their parents or guardians. LERO bus drivers will park their buses and assist teachers and parents at the school relocation centers. Regular bus drivers will proceed to the EWDF for monitoring and, if necessary, decontamination .

In those situations where school officials have pre-designated relocation facilities on their own, LERO will provide transportation assistance to these facilities as requested.

Those schools outside the EPZ which have students living in the EPZ will be requested to retain those students at the school when the school day ends, if any protective actions are recommended for the general public in any area of the EPZ.

Nursery Schools

Nursery schools will be advised to implement the same protective actions as the public and private schools for each

emergency classification and recommended protective action. If the nursery schools are advised to evacuate the children to reception centers, LERO will provide the necessary transportation.

LERO SCHOOL BUS DRIVER PROCEDURE

1. Upon callout LERO School Bus Drivers should report to bus yard designated on callout sheet. Listen to WPLR (99.1 FM) or other EBS radio station for emergency status. The callout sheet also indicates if you are a primary or backup driver.*
2. At bus yard, proceed to the bus yard dispatcher's office. Inform the bus yard dispatcher that:
 - a) There is a Shoreham emergency and that you are a LERO School Bus Driver.
 - b) You have a current New York State Class 2 Driver's License.
 - c1) (If you are a backup driver)
You are available if needed to drive a bus to support an evacuation of the school children or to accompany a regular school bus driver.
 - c2) (If you are a primary driver)
Request that a bus be assigned to you.
3. After a bus has been assigned to you, obtain an Assignment Packet from the LERO box. (The LERO box will either be stored in the bus yard dispatcher's office or brought to the bus yard by one of the LERO bus drivers). If accompanying a regular bus driver, pick a packet for one of that bus driver's regular school assignment. If all packets have already been taken, report to the Bus Dispatcher at the Patchogue Staging Area. Directions to the Patchogue Staging Area are contained in the LERO box.
4. Ensure the Assignment Packet contains:
 - a) One 0-200 mR Direct Reading Dosimeter (DRD)
 - b) One 0-5R DRD
 - c) Two Thermoluminescent Dosimeter (TLD)
 - d) Two KI tablets
 - e) Emergency Worker Dose Record Form (OPIP 3.9.1, Att. 2)
 - f) Emergency Worker Bus Driver Badge

* See definition on page 3a of 3

LERO SCHOOL BUS DRIVER PROCEDURE
(continued)

- g) Bus Lease Receipt Form (OPIP 3.6.4, Att. 14)
 - h) Map to School
 - i) Map to School Relocation Center
 - j) Map to the EWDF
 - k) KI Manufacturer's Brochure
 - l) School Relocation Center Area Diagram
 - m) School Relocation Center Location Assignments
 - n) School Children Log Out Form
 - o) LERO School bus driver procedure
 - p) Suffolk and Nassau Road Atlas
 - q) Pens or Pencils
5. If you have heard that a general emergency has been declared, swallow one KI tablet. If you are riding a bus with a Regular Driver provide her with the second KI tablet and ask her to read the KI brochure.
 6. Fill out Part I of the Emergency Worker Dose Record Form. Check both DRDs to ensure they are reading between zero and 20% of full scale. If necessary zero the dosimeter using a dosimeter charger in the box. Enter the readings in the column marked "Initial" in Part II of the Emergency Worker Dose Record Form. Keep all 3 parts of this form with you.
 7. Clip both DRDs and the TLD to your outer clothing on the upper part of your body. Read DRD's every 15 minutes. If riding the bus with a regular driver provide the second TLD to her.
 8. Primary Bus Drivers should examine the assigned bus and fill out Bus Lease Receipt Form. Leave Pink Copy with the bus yard dispatcher.

LERO SCHOOL BUS DRIVER PROCEDURE
(continued)

9. Proceed to the designated school. Identify yourself to a school staff member and inform them you are available to assist in evacuating the school if needed.
10. When directed by school personnel assist in loading children. Ask them to fill each bus completely (2 per seat for high school, 3 per seat for elementary/junior high). Request that at least one school staff member accompanies the children.
11. Take the children to the designated relocation center, unless told differently by the school staff member. The school representative has final say on the bus destination.
12. Provide the school representative with the School Relocation Center Location Assignments and the School Children Log Out Form. Ask the school representative to fill out the log out form.
13. Upon arrival at the School Relocation Center drop off children at the location designated on the School Relocation Center Area Diagram.
14. Park the bus and take the keys with you.
15. Proceed to the School Relocation Center Assignment Station shown on the School Relocation Center Area Maps and pick up an assignment packet.
16. Perform the assignment identified in the packet.
17. When told that your job is completed by a School Relocation Center Staff member, proceed to the EWDF.
18. At the EWDF, turn in your dosimetry and two copies of Emergency Worker Dose Record Form. If two drivers were on the same bus, have the Dosimetry Recordkeeper fill out a Dose Record Form for the driver who did not fill one out previously.
19. Primary drivers should also turn in the yellow copy of the bus lease receipt form.

LERO SCHOOL BUS DRIVER PROCEDURE
(continued)

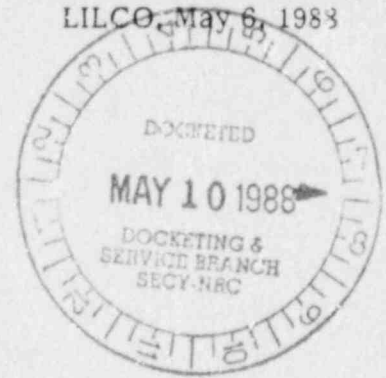
20. Return to the Bus Yard.
21. Primary Bus Drivers fill out Part II of the Bus Lease Receipt Form. Ensure that you sign the form. Give the completed form to the bus company dispatcher before leaving the bus yard.

NOTE: If you have any problems contact the Special Facilities Evacuation Coordinator at the EOC at _____.

Definitions

- Primary Driver - LERO School Bus Driver who drives a bus from a bus yard that does not normally provide buses to schools within the EPZ.
- Backup Driver - LERO School Bus Driver who drives a bus from a bus yard that normally provides buses to schools within the EPZ. The drivers will drive buses when directed by the bus yard dispatcher or will accompany the regular driver.
- Regular Driver - A bus driver who regularly drives school buses on a daily basis. An employee of the Bus Company or School District.

LILCO, May 6, 1988



CERTIFICATE OF SERVICE

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

I hereby certify that copies of LILCO'S MOTION FOR LEAVE TO FILE SUPPLEMENTAL TESTIMONY and LILCO'S SUPPLEMENTAL TESTIMONY ON THE REMANDED ISSUE OF "ROLE CONFLICT" OF SCHOOL BUS DRIVERS were served this date upon the following by telecopier as indicated by one asterisk, by Federal Express as indicated by two asterisks, or by first-class mail, postage prepaid.

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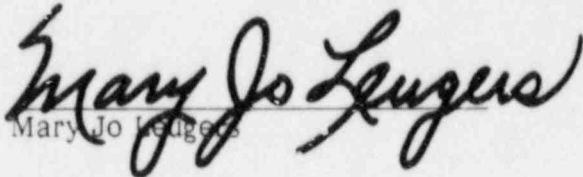
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