

50-3220L-3

SC EP 67



I-SC-67  
11/83

DOCKET NUMBER 50-322(023)

NOVEMBER, 1983

NUCLEAR REGULATORY COMMISSION

Docket No. 50-322-0L Official Exh. No. SC EP 67  
 In the matter of Shoreham - Emergency Planning  
 Staff \_\_\_\_\_ IDENTIFIED   
 Applicant  RECEIVED \_\_\_\_\_  
 Intervenor  REJECTED \_\_\_\_\_  
 Cont'g Ofcr \_\_\_\_\_  
 Contractor \_\_\_\_\_ DATE 6/15/84  
 Other \_\_\_\_\_ Witness \_\_\_\_\_  
 Reporter R. Eyster

8408170254 840615  
PDR ADOCK 05000322  
PDR  
G

Area Evaluated

Monitors Rating

9. Were the correct private lines used and did non-emergency communications interfere with emergency transmissions? (No = 5, Yes = 1)

5 4 3 2 1 N.O. (5) (1)

10. Were logs used effectively by personnel to review past events and to trend data?

5 4 3 2 1 N.O.

N.A.

11. Were appropriate communications techniques followed? (Phonetic alphabet, sign-on, sign-off, no abbreviations or acronyms)

5 4 3 2 1 N.O. (1)

poor radio technique in 1 case  
Fair in the other  
real need for radio training for communicators

C. Procedures

1. Were personnel generally familiar with the relevant procedures?

5 (4) 3 2 1 N.O.

2. Were procedures followed?

5 (4) 3 2 1 N.O.

3. Were personnel so overwhelmed with procedural requirements that they were distracted from the appropriate response?

5 4 3 2 1 N.O.

NO

4. Were the procedures appropriate?

5 4 3 2 1 N.O.

yes NO  
They were some obvious shortcomings in the traffic procedures.

D. Direction and Control

1. Could the response be categorized as a team effort or a group of individual efforts? (Team = 5, Individuals = 1)

(5) 4 3 2 1 N.O.

2. Was there an effective mechanism for resolving differences of opinion regarding technical issues and actions to be taken?

5 (4) 3 2 1 N.O.

3. Was there excessive noise and loitering in the response facility? (No = 5, Yes = 1)

(5) 4 3 2 1 N.O.

E. Material and Equipment

1. Was all the required material and equipment available?

(5) 4 3 2 1 N.O.

NO = 5

NO Logbook/Record books  
Dedicated Lines did not work  
& other stuff

Area Evaluated

Monitors Rating


G. Access Control

- 1. Was an appropriate access control posture established?      5 4 3 2 1 N.O.
- 2. Was there an identifiable system implemented that effectively identified authorized personnel within the facility?      5 4 3 2 1 N.O.

H. Summary

1. Describe any problems noted by the area being evaluated. Provide a description of the problem, its outcome or effect and any recommended corrective courses of action to alleviate or correct the deficiency. Any of the previously listed areas that receive an evaluation grade of 2 or 1 require a written explanation on this page.

- B.1 - Commutators in EOC were underutilized because none of the other facilities were activated.
- C-4 - Decontamination Coordinator needs more detailed procedures of his responsibility.
- E-4, E-7 - Additional area maps are required in Dose Assessment Area. Also Plant status map needs to be refined to allow trending of monitor readings.
- G-2 no identifiable markings were available for players in this drill.

 11/15/83  
 Evaluators Signature / Date

JANUARY 24, 1984

Area Evaluated

Monitors Rating

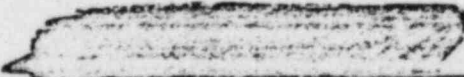
G. Access Control

- |   |   |   |   |   |   |      |
|---|---|---|---|---|---|------|
| 1. Was an appropriate access control posture established?   | 5 | 4 | 3 | 2 | 1 | N.O. |
| 2. Was there an identifiable system implemented that effectively identified authorized personnel within the facility? | 5 | 4 | 3 | 2 | 1 | N.O. |

H. Summary

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1. Need Rev. 3A on siren location vs. staging area
2. Modify Marketing Evaluations to do survey everytime sirens are activated

 / 1/30/89  
Evaluators Signature / Date

Area Evaluated

Monitors Rating

6. Access Control

- 1. Was an appropriate access control posture established? (5) 4 3 2 1 N.O.
- 2. Was there an identifiable system implemented that effectively identified authorized personnel within the facility? 5 4 (3) 2 1 N.O.

SEE LAST COMMENT BELOW

H. Summary

- 1. Describe any problems noted by the area being evaluated. Provide a description of the problem, its outcome or effect and any recommended corrective courses of action to alleviate or correct the deficiency. Any of the previously listed areas that receive an evaluation grade of 2 or 1 require a written explanation on this page.

(COMMENT TO A-3)

THE PERSON IN CHARGE OF THE TRAFFIC SECTION WAS IDENTIFIABLE ONLY IF YOU KNEW THAT THE "TRAFFIC CONTROL COORDINATOR" HEADS UP THE SECTION. OF COURSE, IF YOU LOOK AT THE SIGN-IN BOARD YOU WOULD THEN KNOW THIS.

PROBLEMS NOTED BY THE TRAFFIC SECTION:

- 1. PEOPLE USING DIFFERENT REV'S OF THE IMPLEMENTING PROCEDURES.
- 2. LACK OF RADIOS BY FIELD PERSONNEL
- 3. INSTRUCTIONS LACK COMPLETENESS (EXACT LOCATIONS OF TANK TRUCKS)
- 4. INABILITY TO FOLLOW SCENARIO DUE TO PROCEDURAL COVERAGE (NOT ABLE TO CONTACT HELICOPTER).

 / 1-30-04  
Evaluators Signature / Date

COMMENT TO G-2

PEOPLE COULD BE IDENTIFIED BY NAME TAGS OR ARM BANDS BUT SECURITY COULD HAVE BEEN BETTER. IT IS STILL POSSIBLE (SAME AS NOV.) TO ENTER THRU THE REAR-MOST SIDE DOOR (THRU THE TRUCK STORAGE YARD) AND GO INTO THE EOC UNCHALLENGED AS THERE IS NO GUARD AT THIS ENTRANCE.

Area Evaluated

Monitors Rating

G. Access Control

- 1. Was an appropriate access control posture established? (5) 4 3 2 1 N.O.
- 2. Was there an identifiable system implemented that effectively identified authorized personnel within the facility? (5) 4 3 2 1 N.O.

H. Summary

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- ONE WAY TRAFFIC FLOW CONCEPTS/PAPERWORK NEEDS CLOSE REVIEW (C.4)
- 56 TRAFFIC POSTS TO BE MANNED, ONLY 50 T.C.'S ASSIGNED
- ATTACHMENT 9 TO OPIP 36.4 REV. 2 IS INCOMPLETE. NOT USEABLE AT T.P.'s (C.4)
- SA COORDS. SHOULD BE GIVEN NECESSARY KEYS AT THIS POINT
- T.P. COORD. BOXES TOO LARGE & EASY TO TAKE INTO FIELD.
- LEASE AGREEMENTS / CO. CARDS IS A BIG PROBLEM
- DEVELOP RADIO # LISTING IN ADVANCE FOR RADIO OP. USE (TRAFFIC GUIDE DISPATCH LOG)

 / 1/28/84  
 Evaluators Signature / Date

Area Evaluated

Monitors Rating

6. Access Control

1. Was an appropriate access control posture established? (5) 4 3 2 1 N.O.
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H. Summary

1. Describe any problems noted by the area being evaluated. Provide a description of the problem, its outcome or effect and any recommended corrective courses of action to alleviate or correct the deficiency. Any of the previously listed areas that receive an evaluation grade of 2 or 1 require a written explanation on this page.

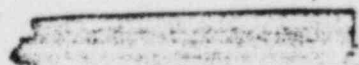
B 8. Briefings were slowed, again, with lease agreement discussions. Briefings were also performed with a lack of immediacy.

C 4. Bus Route Procedure 3.6.4 didn't have itemized Transfer Point Coordinator Dispatch Form; Bus Dispatcher was without this at Staging Area.

E 1. Bus Route Maps missing from packages i.e. wrong routes in packages.

General

Staging Area Coordinator needs key to equipment trailer.

  
Evaluators Signature / 1/22/64  
Date



## DRILL COMMENTS

### Riverhead Staging Area

#### Communications:

1. Staging Area radio does not have call letters on set.
2. Riverhead is dispatching road crews with Channel 3 radios but can only monitor Channel 10.
3. No written mechanism to determine status of traffic control points dispatched vs. manned.
4. Communications links were not fully utilized; a lot of EOC communications were by radio instead of phone. Problem - in Riverhead the radio and dedicated line are next to each other.
5. Problem with EOC overriding the traffic guides on radio.
6. Some traffic guides faint in receiving radio transmissions inadvertently cut off other guides in the process of transmitting.

#### Bus Drivers:

1. Triumph Bus Company could not be found.
2. Standardize instructions for recording times military vs. regular.
3. Bus Driver Dispatcher briefing (2 minutes) asked for volunteers to drive routes. Briefing did not address current plant status/radiological status.
4. Problem - not all drivers had vehicles.
5. Feedback on maps - the spirals were too small, the maps are coming apart.
6. Map W/Edwards Avenue - Riverhead Warehouse Transfer Point - Scale on map is not consistent. Deceiving in one case an inch is a couple of blocks in another its much longer (3 miles).
7. Route 3P-2 - Reves & Doctor Path is a flood area and may be impassable. Was iced on day of drill 1/28/84.

#### Transfer Point Coordinator:

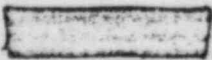
1. (Mercy H.S.) Transfer buses were not dispatched to Selden.
  - a. No maps to relocation center.

b. Procedure OPIP 3.6.4 in plastic does not explicitly instruct coordinator to dispatch transfer buses.

- clear up step 11b
- add new step after step 12

Miscellaneous:

1. EOC request for dispersing KI, no KI in kits, no forms for KI.
2. Status Board updating not assigned to an individual.
3. Route maps not in kits for D1, D2.
4. Names of personnel being broadcast over the radio - may be potential problem - should be added to participant instructions.
5. Comments on afternoon coffee, lukewarm - (left over from morning).
6. Comment from Riverhead Staging Area Coordinator would be beneficial if a checklist was available - was not aware of new checklist in manual. Would like to be able to keep manual rather than have to turn in.
7. Traffic Guide "unidentified by name" did not have a license (suspended license) - a meter reader.



FEBRUARY 8, 1984

## Summary

In your own words, describe and evaluate the demonstrated activities, capabilities and resources, or lack thereof, covered by this section. Put the facts recorded in the "yes/no" questions in perspective. Explain the deficiencies, and also note the exceptionally good performance.

## DOSIMETRY

- ① One packet contained 3 copies of 3.9.1 Rev 3a. This version is not in the manual nor had the Dosimetry <sup>Staff</sup> seen it prior to today. It also has weaknesses — the procedure, that is.
- ② One man short — 2 out of 3 showed. Drafted one man.
- ③ The amount of time allowed for setting up is too short. ~~the~~ Must also check all dosimeters and it just can't be done in the time frame.
- ④ The Dosimetry Record Keepers were trained only in dosimetry and rad safety. They had no idea what they were to do — no training in job function. Had no knowledge of DRD zeroing.
- ⑤ The staff of 3 is too small to personally record DRD serial nos. and readings. Had the EWs do that. However, with enough time and the arrival of workers better paced, the staff can handle this well enough.
- ⑥ The observer (Kovod) gave the first ~~short~~ briefing to the EW and also trained the DRKs in their jobs. To their credit, they did an excellent job thereafter.
- ⑦ Arriving LERO personnel were checked in by Impell people — these should be LERO staff.

- Post Jeff line - can only receive on the EOC
- Radio speakers and etc's were sent out with regular Traffic Guide radios from SA and could not be communicated with via the normal means

- - Two new communicators on POC who training.
- - TCP #35 - Traffic guide from Patchogue & Road Crew from Port Jefferson
- Used new message forms from 3a
- Procedure for messages needs system for numbering.
- Admin staff to act as runners for getting messages delivered.
- ~~Get into to work by the radio call~~

General Services & Rel. It's.

- Ambulance list
- Hospital list.
- Will ambulances be sent out for drills
- 1245 - Home conductor called people at home before the PAH were made.
- 1345 - Ambulance dispatched to SA.
- 1345 - Ambulance dispatched from SA.
- Check on Swan Hill school - does it exist.
- Check on messages n.e. private vs public schools
- Not all 3a procedures on all the boards

Activation & Staffing

1. Majority of key people in the SA were new and had not been ~~trained~~ to table tops or drills - particularly in Port Jaff & Patchogue
2. Times to report and activate the staging areas were not final
3. SA Coord needs list of #s of <sup>people</sup> ~~pts~~ needed to fully staff SA

FACILITIES AND EQUIPMENT

1. Tribune Deck @ Port Jefferson needs work to make it better i.e. PA system with several speakers and mikes.
2. Can we get a print-out by jet function for the drills. Former for S.A.S. to see if he is fully staffed.
3. Signs @ P.J. so that groups are segregated
4. PA system for general announcements especially where people are in different rooms.
5. Station boards & ~~maps~~ P.J. not used -  
 Patch - OK  
 R.H. - so-so. Data not good
6. Roundhead - two T.P.C. boxes missing for Eastport & Brookhaven Lab - Reported in delay on getting boxes out.
7. Need Cosmology box @ P.J.
8. Review SA procedure not on all binders
9. Inconsistent Cosmology names to SA (Port Jaff)
10. Need CBRO I.D. for S.A. - Good security.

FEBRUARY 15, 1984

4. Procedures - Updated procedures (Prompt Notification System) revision (3a) not distributed - special facilities <sup>man</sup> & Director of LERO volume I procedures checked
5. Procedures - Security procedures: not complete (carry over from previous drill)
6. Procedures - Support Services request a list of commodities that would most likely be needed, so that they can pre-identify sources of procurement.
7. Procedures - OPIP 3.3.2 Notifications does not address Notification of the Red Cross
8. EBS message:  
The EBS message of "Parents should not drive to school to meet their children", message does not discriminate between those who normally drive their children to school and those whose children take buses.



①

LONG ISLAND LIGHTING COMPANY and  
LOCAL EMERGENCY RESPONSE ORGANIZATION  
NUCLEAR EMERGENCY PREPAREDNESS EXERCISE

OBSERVER CONTROLLER LOG SHEET

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

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

Location: \_\_\_\_\_

<u>TIME</u>	<u>OBSERVATION/COMMENT</u>
	Summary Report
—	Very poor information flow from ROC to E.H. → show from time Gt declared to time Riverhead knew about it. Need to improve this. <del>When</del> When Director finds out from GOF he should pass the word to the Staging Areas.
—	Staffing good - All persons who should be there were. Completely staffed by 11:30.
—	Station board good use. used blank boards to keep information.
—	Security procedure is unclear. where get people how many. Responsibilities
—	Briefing on the radiological conditions poor.
—	<del>Some decisions given out from a book but was not</del>
—	Information about KI did not get down to the Riverhead.
—	3 hours to get back that Division out. per 3A to procedure not on the book.
—	2 of 3 Transfer of communication radio when down. Word was relayed through the traffic center.
—	Traffic guide cards for a 2 hours were missing a Portuguese fishing boat off N.J.

LONG ISLAND LIGHTING COMPANY and  
LOCAL EMERGENCY RESPONSE ORGANIZATION  
NUCLEAR EMERGENCY PREPAREDNESS EXERCISE

(8)

OBSERVER CONTROLLER LOG SHEET

Name: [REDACTED]

Date: 2/15/84

Location: EOC BRIGHTWOOD

TIME

OBSERVATION/COMMENT

1432	Getting set up for a relief shift to come in
1545	Two day jump
1550	Review comm. tree meeting (preliminary)
—	Ins from pathway <sup>not</sup> <del>not</del> procedure 366 not on the book