

50-3220L-3

SC EP 72

I-SC-72
11/83



DOCKET NUMBER 50-322(0L-3)
PROD & UTIL. FAC.

NOVEMBER, 1983

NUCLEAR REGULATORY COMMISSION

Docket No. 50-322-0L Official Exh. No. SCEP72
in the matter of Shoreham - Emergency Planning
Staff _____ IDENTIFIED _____
Applicant _____ RECEIVED _____
Intervenor / _____ REJECTED _____
Gen'l's Off'r _____
Contractor _____ DATE 6/15/84
Other _____ WITNESSES _____
Reporter R. Eyster

8408170238 840615
PDR ADDCK 05000322
G PDR

Area Evaluated

Monitors Rating

2. Did personnel check to ensure that all equipment was available and functional early in the activation process? *Yes = 1* 5 4 3 2 1 N.O.
3. If equipment was inoperable or failed in use, were appropriate actions taken to resolve the deficiency? (spares/backup equipment) *Yes = 1* 5 4 3 2 1 N.O.
4. Were there any situations in which the lack of equipment, or a lack of ability to operate the equipment, prevented personnel from completing their tasks? (No = 5, Yes = 1) If so, please indicate details. 5 4 3 2 1 N.O.
5. Were there any situations in which additional equipment or materials, or different types of equipment could have made the activity more effective? (No = 5, Yes = 1) If so, please indicate details. 5 4 3 2 1 N.O.
better more dedicated Living to Staging areas
6. Could the area support the personnel assigned to it? *Yes = 1* 5 4 3 2 1 N.O.
7. Were there sufficient resource materials readily available to support the conduct of the response? (maps, reference documents, copies of plans and procedures, data sheets, etc.) *NO = 5* 5 4 3 2 1 N.O.

F

Protective Measures

1. Were appropriate protective measures implemented for response personnel? *Yes = 1* 5 4 3 2 1 N.O.
2. Did personnel properly wear protective clothing and dosimetry? 5 4 3 2 1 N.O.
3. Were appropriate radiological practices observed? 5 4 3 2 1 N.O.
4. Were field personnel kept apprised of radiological conditions? 5 4 3 2 1 N.O.
5. Were response activities conducted with regard for personnel safety, consistent with the need to complete the activity? 5 4 3 2 1 N.O.

JANUARY 24, 1984

Area EvaluatedMonitors RatingG. 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).

COMMENT TO G-2

Evaluators Signature

Date

1-30-84

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 EvaluatedMonitors Rating

2. Did personnel check to ensure that all equipment was available and functional early in the activation process? 5 (4) 3 2 1 N.O.
3. If equipment was inoperable or failed in use, were appropriate actions taken to resolve the deficiency? (spares/backup equipment) (5) 4 3 2 1 N.O.
4. Were there any situations in which the lack of equipment, or a lack of ability to operate the equipment, prevented personnel from completing their tasks? (No = 5, Yes = 1) If so, please indicate details. (5) 4 3 2 1 N.O.
5. Were there any situations in which additional equipment or materials, or different types of equipment could have made the activity more effective? (No = 5, Yes = 1) If so, please indicate details. 5 4 3 2 (1) N.O.
*Radio for Road Crew
more active Bullhorns for
announcements*
6. Could the area support the personnel assigned to it? *Yes* (5) 4 3 2 1 N.O.
7. Were there sufficient resource materials readily available to support the conduct of the response? (maps, reference documents, copies of plans and procedures, data sheets, etc.) 5 4 (3) 2 1 N.O.

F. Protective Measures

1. Were appropriate protective measures implemented for response personnel? (5) 4 3 2 1 N.O.
2. Did personnel properly wear protective clothing and dosimetry? (5) 4 3 2 1 N.O.
3. Were appropriate radiological practices observed? (5) 4 3 2 1 N.O.
4. Were field personnel kept apprised of radiological conditions? 5 4 3 2 1 (N.O.)
5. Were response activities conducted with regard for personnel safety, consistent with the need to complete the activity? (5) 4 3 2 1 N.O.

Evaluation Standards

- "5" Excellent - Personnel and equipment always functioned without error. There were no problems encountered and all personnel and equipment functioned at a superior level.
- "4" Good - Personnel and equipment generally performed as expected. Any errors or problems were minor and did not detract from completion of the task.
- "3" Satisfactory - Personnel and equipment performed at an acceptable level. Errors noted were not severe and completion of the task was achieved within acceptable limits.
- "2" Poor - Personnel and equipment generally performed below expectations. There were deficiencies of a significant nature. The areas ability to carry out its function was diminished.
- "1" Failure - Personnel and equipment consistently failed to perform as required. Acceptable completion of the task was not achieved.

N.O. Not Observed

E-5 Radios for Road Crew
More Bullhorns w/ Batteries for
Dosimetry Briefings

C-4 Transfer Pt Coord Dispatch
Form in Bus Route Procedure

B-4 Briefings slow, late, inaccurate
e.g. 'Site Area Alert'

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.

Area EvaluatedMonitors RatingG. 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.

B1 & E5) Pt. Jefferson Direct line inoperable
Other Communication was utilized.
Situation handed over to equipment group.

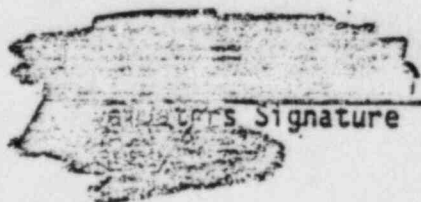
B4 & B6) Communication messages were in disarray
will improve with practice.

B5 & B2) Better control of ^{his} people by Senior
Coordinator. This will be discussed
to improve group organization.

B11) Communicators need to review jargon.

Overall appraisal:

Good

 / 1/26/79
Evaluators Signature / Date

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.

- ① adequate space in turbine deck
space in communication room not efficient in real emergency, people kept running into each others toes.
not enough meeting room space. bus drivers had to be ~~not~~ briefed in separate groups.
- ② status boards available only to people in communication room.
- ③ not enough meeting space to ~~if~~ brief a lot group of people (bus drivers) all at once.
- ④ not enough communication equipment in communication room to handle real emergency.

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.

1. RIVERHEAD WHICH HAS SEPERATE ROOMS FOR EACH FIELD GROUP WORKS VERY VERY WELL.
- 3/ A BLANK 'WHITE' BOARD WAS PROVIDED BUT NOT USED. THE
4. OTHER STATUS BOARD WAS UPDATED. HOWEVER THERE SHOULD BE A BLANK FOR TIME ENTRY. INFORMATION FROM EOC WAS SPORADIC & LATE. PLANT STATUS + RELEASE STATUS WAS NEVER CHANGED FROM 'HIGH COOLANT ACTIVITY' WHICH INITIATED THE ALERT, BECAUSE THE EOC NEVER GAVE UPDATING INFORMATION. STAFF NOT SURE ON WIND DIRECTION 'TO' OR 'FROM'. BOARD SHOULD INDICATE TIME OF SIREN SOUNDING.
5. ROOMS WERE ADEQUATE. A PA SYSTEM IS A DEFINITE NEED FOR EACH ROOM WITH CONSOLE IN STAFF'S AREA.
6. TWO OF FIVE TRANSFER POINT COORDINATOR BOXES WERE NOT AVAILABLE. INFORMATION, LOGS, DISPATCHING HAD TO BE RECONSTRUCTED. RESULTED IN 25 MINUTE DELAY IN DISPATCHING OF ~~BOATS~~ BUS ~~GROUP~~ FOR ENTIRE STAGING AREA. THIS THEN DID NOT PERMIT COMPLETION OF MANY ROUTES WHEN FINALLY DISPATCHED.
7. SECURITY WAS ADEQUATE WITH MINIMAL EFFECT ON NORMAL ROUTINES IN FIRST FLOOR BUSINESS OFFICES.
 - TRAFFIC GUIDE WAS CARELESS WITH DOSIMETER - THREW IT ACROSS ROOM TO ANOTHER INDIVIDUAL WHO WAS PASSING THEM OUT.
 - SOME MAGNETIC ANTENNAES FELL OFF ROOF ENROUTE. THIS PROBLEM WAS IDENTIFIED IN TRAINING TAPE.

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.

There were not enough rooms available for simultaneous briefing of different groups. Turbine deck area appeared over crowded. As mentioned before, dosimeters were short. Probably also not enough radios for the purpose of this exercise.

Some logs weren't available, coordinator didn't have a list of personnel available.

Additional comments:

Message to send traffic guides was missing 25 of 56 traffic control points, had to add contingency message to maintain progress of exercise.

V. Communications

Yes No N/A N/O

1. For each of the following:

a. Indicate whether communication was demonstrated (Yes, No, etc.)

Yes

b. Name the communication system used on the dotted line (dedicated land line, two-way radio, commercial phone, etc.)

- Local EOC/primary commercial phone /backup
- Bus Drivers
- Traffic Guides 2 way Radio
- Road Crews no radio
- Route Alert Drivers no radio
- Route Spotters Radio
- Transfer Points

2. Were radio communications easily understood, i.e., no static?

3. Was there too much communication traffic on the radio frequency?

4. In general, were communications good?

5. Were messages written down?

6. Were they retained for future reference?

7. Were any communications problems rectified?

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.

1. THE STAGING AREA COORDINATOR ORDERED THE DISTRIBUTION OF RADIOS BEFORE ANY DISPATCHING ORDERS FROM THE EOC. THIS WAS DONE TO PRECLUDE ANY TIME LOST FOR RADIO CHECK EXPERIENCED DURING PREVIOUS DRILLS. THE ROAD CREWS AND ROUTE SPOTTERS WERE GIVEN SUPERVISOR VEHICLES WITH MULTICHANNEL RADIOS. NOTE - EXERCISING OF ROAD CREWS OBTAINING AND USING TOW TRUCKS/OTHER ~~TRUCKS~~ HAS YET TO BE DEMONSTRATED. NO PROCEDURAL MECHANISM EXISTS FOR OBTAINING VEHICLES WITH MULTICHANNEL RADIOS FOR ROUTE SPOTTERS. A ROUTE ALERT DRIVER WAS SENT OUT AS A ROUTE SPOTTER, USING A PORTABLE RADIO.
 2. EOC/TSC TALK WAS HEARD ON THE TRAFFIC GUIDE RADIO - IS THIS POSSIBLE? CANNOT COMMENT ON COMMUNICATIONS WITH ROAD CREWS OR ROUTE SPOTTERS.
 7. A ROAD CREW MEMBER IN SUPERVISOR CAR HAD DIFFICULTY WITH RADIO (EQUIPMENT MALFUNCTION). HE THEN PROCEEDED TO A TRAFFIC POINT TO REPORT DIFFICULTY - THIS WAS THE RIGHT CHOICE AND GOOD JUDGEMENT.
- THE DEDICATED PHONE WAS NOT AS EXTENSIVELY RELIED ON WHEREBY THE OTHER PHONES WERE USED MORE.
 - A TRAFFIC POINT COORDINATOR WHILE DISPATCHING BUSES COULD NOT HEAR RADIO - THIS CAN EASILY BE REMEDIED BY TURNING UP VOLUME AND OPENING WINDOW.

FEBRUARY 15, 1984

V. Communications

Yes No N/A N/O

1. For each of the following:

a. Indicate whether communication was demonstrated (Yes, No, etc.)

b. Name the communication system used on the dotted line (dedicated land line, two-way radio, commercial phone, etc.)

- Local EOC/primary *Commercial Phone* ☒ ☐ ☐ ☐
- /backup *dedicated line* ☒ ☐ ☐ ☐
- Bus Drivers *Transit Coord* ☒ ☐ ☐ ☐
- Traffic Guides *Radio* ☒ ☐ ☐ ☐
- Road Crews *No* ☐ ☐ ☐ ☐
- Route Alert Drivers *No* ☐ ☐ ☐ ☐
- Route Spotters *Nothing* ☐ ☐ ☐ ☐
- Transfer Points *Radio* ☒ ☐ ☐ ☐

2. Were radio communications easily understood, i.e., no static?

3. Was there too much communication traffic on the radio frequency?

4. In general, were communications good?

5. Were messages written down?

6. Were they retained for future reference?

7. Were any communications problems rectified?

2. Static, a lot of walkover
& ^{some} 1 strange messages

Summary

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2. LOST TWO TR. PT. COORD.

- EARLY INTERFERENCE ON RADIO EVENTUALLY DISAPPEARED

3. NO PROBLEMS

RADIOS GIVEN OUT EARLY, HOWEVER COMMUNICATOR WAS NOT BROUGHT UP TO DATE ON WHO ACTUALLY WENT OUT. THIS LED HIM TO BELIEVE THAT SIX RADIOS WITH INITIAL YARD CHECK IN WENT OUT TO FIVE AND NEVER AGAIN CHECKED IN. WHEN IN ACTUALITY ~~THEY~~ ~~WERE~~ THESE 6 NEVER WENT OUT.

7. ² FADING TRAN. POINT COORDINATORS USED RELAY THROUGH TRAFFIC GUIDES OR TELEPHONES.

- WHEN STAGING AREA CALLED BROOKHAVEN JUB TRAN PT. HE WAS TOO FAR FROM VEHICLE TO HEAR RADIO.

(2)

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

OBSERVER CONTROLLER LOG SHEET

Name: _____

Date: _____

Location: _____

TIME

OBSERVATION/COMMENT

Summer Riverhead

—	Very poor information flow from AOC to E.H. > show from time it declared to time Riverhead knew about it. Need to improve this. When When Director finds out from ERF he should pass this word to the Staging Areas.
—	Staffing good. All persons who should be there were. Completely staffed by 11:30.
—	Station boards good use. used blank boards to keep information.
—	Scenic procedure in order. when got people there many responsibilities
—	Briefing as to radiological conditions good.
—	Some directives given out from a truck but were not
—	Information about KI did not get down to the 3 Riverhead.
—	3 hours to get Road Mast Driven out. Per 3A to procedure not on the book.
—	2 of 3 Transfer it coordinator action when down. Word was relayed through the traffic guides
—	Traffic guide radio for 2 hours were receiving a frequency finding that off N.J.

(5)

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

OBSERVER CONTROLLER LOG SHEET

Name: _____

Date: 2/14/84

Location: EOC BRENTWOOD

TIME

OBSERVATION/COMMENT

—	Does entrance driver operator have the license number?
13/13	briefing briefings sent to a EOC. - coordinates briefing the EOC
1425	Manage from EOC + plant status
—	Radio reception for road crews ^{in EOC} very bad
1507	Manage from EOC - release term initiated.
—	NAR Station board should say (BEO) river DOE
1512	Station meeting 2. was based on bus runs Riv 1/2 P.S. 57% late 78% Why is low in Riverhead - wind about release from sun day containment. Should be none
1530	Corrected wind that release from side has been terminated terminated.

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. ---

STATIONARY TYPE SUPPLIES AND STATUS FORMS
WERE NOT AVAILABLE IN COMMUNICATION AREA

COMMUNICATIONS AREA TOO CROWDED WITH INSUFFICIENT
TABLE TOP SPACE AND CHAIRS.

II. Facilities & Equipment

- ~~Equipment~~
Road Crews need separate multi band radios to be signed out, kept in eqpt trailer just like Traffic Guides
- Car trapped in mud at Miller Place Transfer and I almost trapped at Newwood
- Insufficient Maps for Relocation Center Bus Routes
- Need for Plates on Road Crew Vehicles in event they don't normally have them
- Another large briefing room needed for Bus Driver Briefing
- Relocation of Communication Center Recommended to Meeting Room A
- Use of Additional Rooms off Justice Deck Assembly area for Orientation & Small group job briefing

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.

Item (5) :

Some additional briefing space would help. Calls to dispatch various groups come in simultaneously; ~~as group would have to wait for vacancy~~ - dispatch of traffic guides delayed waiting for Room B to ~~free up~~ free up.

→ Item (6) : ~~Envelopes for traffic guides to traffic control points 37, 95 & 10 missing. Traffic guides could not be sent there.~~

Also, road crews are supposed to have multi-band radios, which were not available.

Items ① - ⑤ : Acceptable as indicated.

FIELD ACTIVITY MODULE

I. Traffic and Access Control

Yes No N/A N/O

1. What traffic or access control point(s) did you observe (give location)?

35

2. At what time did emergency personnel arrive at the above location (s)? (Indicate whether arrival time was observed or if you asked them.)

1:50 (OBSERVED)

3. Were personnel at each location:

- Familiar with the evacuation routes?
- Familiar with the location of relocation centers?
- Able to communicate with the Local (or State) EOC by radio?
- Able to communicate with personnel at other control points?

✓			
			✓
	✓		✓
	✓		✓

4. Did they periodically report in/get updates?

✓			
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5. Were procedures for clearing traffic obstructions demonstrated?

			✓
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