

50-322-0C-5

5/18/87

A-14G

DOCKETED
USPHS

'87 AUG 20 P5:46

OFF
DOCKRADIOLOGICAL EMERGENCY
PREPAREDNESS EXERCISE
OBSERVATIONS AND EVALUATIONSFIELD ACTIVITY MODULE
ROUTE SPOTTEROBSERVER DATA

Facility:

Riverhead Stg Area

Date:

10/1/86

Specific Assignment:

Field Controller

Team Leader:

Name:

Organization:

Impell Corp.

Title:

Engineer II

Business Address:

Business Phone:

NUCLEAR REGULATORY COMMISSION

Docket No. 50-322-06-5 Official Exh. No. 149
 In the matter of Shoreham Nuclear Power Station - Unit 1
 Staff _____ IDENTIFIED _____
 Applicant _____ RECEIVED _____
 Intervenor _____ REJECTED _____
 Cont'g Off'r _____
 Contractor _____ DATE 5-18-87
 Other _____ Witness _____
 Reporter Mary Simons

INSTRUCTIONS

Introduction

This form is intended as a tool for the observer to use in observing and evaluating an exercise. There are several different "modules" corresponding to different observer assignments; an observer assigned to the EOC should have the "EOC Module", an observer assigned to the Emergency News Center should have the "Emergency News Center Module", and so on. The module you have should correspond to your assignment.

You should bring the form along with you when you go to observe. The questions in it will serve as a useful guide concerning what to look for. You may wish to fill out some or all of the questions while on location. NOTE: Some responses may already be marked as N/A because the activity is rated under another part of the response organization.

Directly below is a short explanation of what is in the form and how to fill it out; please read this explanation as soon as possible.

Concept of Form and Instructions for Use

- (1) Structure and Format. Each module is composed of several sections. Each section is about a particular part of the emergency activities - for example, "equipment," "communications," or "dose assessment." Each section has two parts. The first part is a series of questions for you to rate the performance. The second part is a summary section, with space to write a narrative essay summarizing your overall impressions.
- (2) Rating Questions. You have four options when answering these questions: Satisfactory, Unsatisfactory, N/A, and N/C.
 - o "Satisfactory" means that personnel and equipment performed at an acceptable level. Errors noted were not severe and the task was completed in an acceptable manner. For example, if personnel are to check their dosimeters once every 15 minutes, but the person you are observing checks his dosimeter only 7 of the 8 times he should in 2 hours, his performance is satisfactory. However, your narrative summary should explain the rating.
 - o "Unsatisfactory" means that personnel and equipment generally performed below an acceptable level. There were deficiencies of a significant nature. The area's ability to carry out its function was significantly impaired.

- o "N/A" stands for "not applicable." For example, if the personnel observed did not have dosimeters, then the question, "were their dosimeters properly zeroed or checked?" should be "not applicable". In some cases, a whole section may be not applicable. For example, if you will be observing a local EOC, most likely the section (in your EOC module) on "Media Relations" will not be applicable, since media relations are conducted at another facility.
 - o "N/O" stand for "not observed"; meaning you do not know or cannot judge whether the activity was done properly. If something should have been done (or should have been there) but wasn't, then you should mark "unsatisfactory".
- (3) Short answer questions. These are generally self-explanatory. Most are informational, asking you to list the participants at your location, or to describe a certain procedure observed, etc. Some call for you to record a specific event, e.g. who made a certain phone call, or when someone arrived. Be alert for these events.
- (4) Summary. On the summary page, you should write a brief essay (one paragraph to one page) to describe and evaluate the activities and resources covered by that section. Describe the resources available and what occurred, in your own words. You should cover the main points raised in the rating and short answer questions, and any other observations you consider relevant; explanations of "Satisfactory" or "Unsatisfactory" answers are also appropriate and are encouraged.

Miscellaneous Notes

- (1) The front cover of the critique form has blank lines for you to write your name, assignment, etc.
- (2) Please do not use blue ink - it does not photo-copy.

Please note: The observations and judgements recorded on this form will be the basis for future reports and decisions. Be thorough and clear; this will avoid the necessity of contacting you later for clarification.

FIELD ACTIVITY MODULE
ROUTE SPOTTER

I. Traffic Operations

Sat Unsat N/A N/O

1. State the name and identification number of the route spotter that was observed.
2. Was the route spotter adequately briefed prior to departing from the EOC?
3. Did the route spotter have a procedure or checklist?
4. Was the route spotter adequately trained and knowledgeable to effectively perform his job?
5. Did the route spotter have a radio to communicate with the EOC?
6. Did the route spotter make frequent contact with the EOC?
7. Was the route spotter familiar with the local area?
8. Could the route spotter promptly and accurately define his location on a map and communicate it back to the EOC?

1007, 1008, 1009

_____	<u>✓</u>	_____	_____
<u>✓</u>	_____	_____	_____
<u>✓</u>	_____	_____	_____
<u>✓</u>	_____	_____	_____
<u>✓</u>	_____	_____	_____
<u>✓</u>	_____	_____	_____

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 questions in perspective. Explain both deficiencies and good performance.

All of the above questions were performed satisfactorily by the route spotters. The only deficient area was that the route spotters were not sufficiently briefed prior to departure on the state of the emergency "i.e. - should they take their KI pills yet, are there any releases in the area, etc."

II. Worker Exposure Control

	Sat	Unsat	N/A	N/O
1. Did each emergency worker in the field have a:				
- Low range dosimeter (2-200 mR)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Mid range dosimeter (0-20 R)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- High range dosimeter (0-200 R)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Permanent record dosimeter (film badge or TLD)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Did they follow proper procedures for reading and recording their dose?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Did they know what was the maximum dose allowed without authorization?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Were they supplied with KI?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Did they follow proper procedures concerning when to take KI?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Were they aware of procedures for decontamination (i.e., when and where to report for a contamination check)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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 questions in perspective. Explain both deficiencies and good performance.

The route spotters followed proper dosimetry procedures. However there was some initial confusion in the morning as to exactly when and where to pick up their dosimetry.