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OFFICE OF THE
DEPUTY ASSISTANT
SECRETARYRADIOLOGICAL EMERGENCY
PREPAREDNESS EXERCISE
OBSERVATIONS AND EVALUATIONSSTAGING AREA MODULE
DOSIMETRY AND EXPOSURE CONTROLOBSERVER DATAFacility: PATCHOGUE STAGING AREADate: SEPTEMBER 10, 1986Specific Assignment: DOSIMETRY

Team Leader: _____

Name: _____

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NUCLEAR REGULATORY COMMISSION

Docket No. 50-222-66-5 Official Exh. No. 129
In the matter of Shoreham Nuclear Power Plant Unit 1

Status _____ IDENTIFIED _____
Accepted _____ RECEIVED _____
Info. req. _____ REJECTED _____
Cont'g Oppr _____
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/O.
 - 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.

DOSIMETRY AND EXPOSURE CONTROL

	Sat	Unsat	N/A	N/O
1. Was there a full complement of dosimetry staff according to the plan?	✓	_____	_____	_____
2. Did the dosimetry personnel in general display adequate training and knowledge?	✓	_____	_____	_____
3. Were quantities of dosimetry sufficient to meet the needs of the Staging Area field staff?	✓	_____	_____	_____
4. Was dosimetry issued to all personnel dispatched into the EPZ?	✓	_____	_____	_____
5. Were dosimetry records properly completed?	✓	_____	_____	_____
6. Were personnel exposures tracked?	_____	_____	_____	✓
7. Were personnel dispatched into the EPZ given thyroid blocking agents?	✓	_____	_____	_____
8. Were they instructed in its use? (SIMULATED)	✓	_____	_____	_____

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 FOUR (4) DOSIMETRY RECORD KEEPER (D.R.K.)'S DID AN EXCELLENT JOB IN ALL ASPECTS OF BRIEFINGS, HANDOUTS, COLLECTION, VERIFICATION, COMMUNICATIONS, COMMAND, AND SET-UP. EACH PLAYER EXHIBITED A FULL KNOWLEDGE OF THE PROCEDURES AND A WORKING KNOWLEDGE OF THE FACILITY. EXCEPT FOR MINOR IMPROVEMENTS; THIS GROUP OF PLAYERS ARE READY AND CAPABLE OF A FULL FEMA GRADED EXERCISE.

09/11/86

ENCLOSURE I; PLEASE, FIND LISTING OF PLAYER SUGGESTED IMPROVEMENTS COMPILED DURING THE DRILL/TRAINING SESSION.

ENCLOSURE II; CONTROLLER LOG

ENCLOSURE III; PLAYER LOG AND MESSAGES.