

50-322-06-5
5/18/87
A-15B

'87 AUG 20 P6:00

OFFICE
DOCK

RADIOLOGICAL EMERGENCY
PREPAREDNESS EXERCISE
OBSERVATIONS AND EVALUATIONS

STAGING AREA MODULE
TRAFFIC

OBSERVER DATA

Facility: RIVERHEAD

Date: 12/2/86

Specific Assignment: TRAFFIC

Team Leader: _____

Name: _____

Organization: IMPELL

Title: SUPERVISING ENGINEER

Business Address: _____

Business Phone: _____

NUCLEAR REGULATORY COMMISSION

Docket No. 50-322-06-5 Official Exh. No. 15b
in the matter of Sturckham 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/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.

STAGING AREA MODULE
TRAFFIC

1. Traffic Operations

	Sat	Unsat	N/A	N/O
1. Did the Lead traffic guide in general, display adequate training and knowledge to perform effectively?	✓ _____	_____	_____	_____
2. Were there sufficient quantities of equipment available for personnel being sent in to the field?	✓ _____	_____	_____	_____
3. Were traffic related personnel being sent into the field briefed as to:				
- protective action?	✓ _____	_____	_____	_____
- potential plume path and radiation levels?	✓ _____	_____	_____	_____
- their particular assignment?	✓ _____	_____	_____	_____

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.

1. LTG (TRAFFIC GUIDE) EXHIBITED VERY GOOD WORKING KNOWLEDGE OF SECTION 5.4.1 OF OPIP 3.6.3. TG PACKETS FOR DISTRIBUTION FOR THE 0-2MI ZONES WERE ASSEMBLED @ 9:03. ATTACHMENT 7 OF OPIP 3.6.3 WAS UTILIZED.
2. LTG ^(TRAFFIC GUIDE) ~~DEMONSTRATED~~ THE UTILIZED THE ZONE MADS ~~CONTAIN~~ LOCATED IN THE STAGING AREA OFFICE TO DETERMINE THOSE ZONES OUTSIDE THE EPZ THAT FEMALE TG COULD BE DISPATCHED TO.
3. BY 9:20 THE LTG (ROAD CREW) HAD ALREADY INVENTORIED AVAILABLE VEHICLES IN THE RIVERHEAD YARD THE LTG DEMONSTRATED EXCELLENT WORKING KNOWLEDGE OF OPIP 3.6.3 SPECIFICALLY ATTACHMENTS 12, 14. THE LTG FOLLOWED ~~THE PROC~~ OPIP 3.6.3 SECTION 5.4.8 & ITEM d.

II. Dosimetry and Exposure Control

	Sat	Unsat	N/A	N/O
1. Was dosimetry issued to all personnel dispatched into the EPZ?	✓	_____	_____	_____
2. Were dosimetry records properly completed?	_____	_____	_____	✓
3. Were personnel exposures periodically checked?	_____	_____	N/A	_____
4. Were personnel exposures tracked?	_____	_____	_____	✓
5. Were personnel dispatched into the EPZ given thyroid blocking agents?	✓	_____	_____	_____
6. Were they instructed in its use?	_____	_____	_____	✓

1. ~~JUST~~ ALL PERSONNEL EXITING THE STAGING AREA WERE BRIEFED WITH RESPECT TO THE RADIOLOGICAL CONDITIONS OF THE SCENARIOS EMERG. CONDITION.

LTG (ROUTE ALERT DRIVER) ACTUALLY REQ'STD UPDATED INFO PRIOR TO SENDING PERSONNEL TO THE FIELD.
 - STATUS BOARD
 THE INFO IN THE RAD ASSEMBLY AREA WAS ^{LAST} UPDATED @ 10:10 AM. THE BRIEFING SESSION OF RAD BEGAN @ 10:24.

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.

III. Communications

	Sat	Unsat	N/A	N/O
1. Radio communications were easily understood, i.e., no static?	✓	_____	_____	_____
2. Was adequate air time available for communications with field personnel?	✓	_____	_____	_____
3. In general, were communications clear and understandable?	✓	_____	_____	_____
4. Were messages formally documented?	✓	_____	_____	_____
5. Were messages retained for future reference?	✓	_____	_____	_____
6. Communication problems were rectified?	✓ (SEE NOTE 1)			

NOTE

1. A PROB. EXISTED EARLY w/ THE STAGGING AREA RADIO - A LOOSE WIRE EXISTED @ THE ANTENNA. THE PROBLEM WAS RECTIFIED BEFORE A SERVICE PERSON ARRIVED.

(LOCATION 2004)

①. A ROAD CREW WAS SENT TO THE FIELD WITH AN INCORRECT RADIO. THE ROAD CREW HAD A ~~TRAFFIC~~ TRAFFIC GUIDE RADIO. THE PROB WAS RECTIFIED BY SENDING A TRAFFIC GUIDE TO LOCATION 2004 w/ ~~A~~ THE CORRECT RADIO.

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.

② ONE (1) TRAFFIC GUIDE COMMUNICATED OVER THE RADIO USING HIS RADIO BAG # RATHER THAN HIS TCP #. ~~THE~~ THE TG WAS CORRECTED IMMEDIATELY BY THE RADIO OPERATOR TO USE THE TCP #.

③ FOUR (4) RAD WERE USED FOR SECURITY.
THREE (3) RAD WERE USED FOR EQUIP DISTRIBUTION

$$E = 7.$$

THIS WAS VERY GOOD UTILIZATION OF MANPOWER.

- 8:30 STAGGING AREA BRIEFING INITIATED.
CONTROLLER: STAGGING AREA COORDINATOR
- 9:01 STAGGING AREA BRIEFING COMPLETED.
- 9:03 LTG ASSEMBLING PACKETS FOR DISTRIBUTION
FOR 0-2 MILE AREA. PER ATTACK 7
OF OPIP 3.6.3 SECTION 5.4.1.
- 9:08 ANNOUNCEMENT MADE FOR ALL
ROUTE ALERT DRIVERS TO REPORT TO
ROOM FOR DOSIMETRY - ALL RAD
EXCEPT THOSE @ SECURITY POSTS
OR THOSE IN EQUIP TRAILER
(4 ON SECURITY DUTY, 2 IN EQUIP
TRAILER).
- 9:10. LTG DETERMINED THAT USE OF
MAP IN STAGGING AREA OFFICE
THOSE AREAS OUTSIDE THE EPZ
WHICH FEMALE TG COULD BE
DISPATCHED TO
- 9:20 CONTROLLER ASKED LTG (ROAD CREW) ON
INVENTORY OF EQUIP ALREADY PRESENT
IN RIVERHEAD - THIS WAS ALREADY

DONE, V. GOOD.

THE INFO WAS BEING RELAYED BACK TO THE ROAD LOGISTICS COORDINATOR @ THE EOC, AND WAS KNOWLEDGABLE. THE LTG USED ATTACH 12; 14 OF OPIP 3.6.3

OPIP 3.6.3 SECT 5.4.8 ITEM D WAS FOLLOWED.

9:25 TG WERE SENT TO EQUIP TRAILER FOR RADIO'S; EQUIP.

STAGING AREA IS SMOET 3 TG FOR 0-2 MI EPZ AREA (REF OPIP 3.6.3 SECT 5.4.1).

9:35 RAD SENT TO INSTALL RADIOS
DOSIMETRY REC'D. @ 2 9:34.

NOTE ~80-85% OF THE TOTAL COMPLIMENT OF TG'S ARE REQ'D TO MAN THOSE AREAS IN THE 0-2 MILE EPZ ZONES. THERE EXIST 30 TCP. TO BE MANNED SOME REQ 2 MEN (REF ATTACH. 7 OF OPIP 3.6.3
OPINION → ADD'L TG SHOULD BE STAGGED @ RVH:

9:40 ONLY 35TG EXIST @ STAGING AREA
ONE (1) PREGNANT.

43 ARE REQ'D PER SCENARIO REQ'NTS.
52 ARE REQ'D PER OPIP ~~31.1~~ 31.1
ATTACH 4.

9:41. ONE (1) ADD'L RAD SECT TO
EQUIP TRAILER TO ASSIST.

MISC RAD SUB TOTALS
4 RAD FOR SECURITY
3 RAD FOR EQUIP

7.

10:01 TG'S REQ'ST ID TO ASSEMBLY AREA
FOR DOSIMETRY DISTRIBUTION

10:24 MESSAGE #23 REC'D BY LTG (RAD),
STATUS BOARD IN RAD ROOM TIME \Rightarrow 9:10

LTG WENT BACK TO OFFICE TO CONFIRM.
AS IT TURNED OUT THE STATUS BOARD
REQ'D AN UPDATE FOR TIME ONLY TO 10:10

10:24 LTG (RAD) FILLED OUT ATTACH. 2

"ROUTE ALERT DRIVER DISPATCH LOG"
OF OPIP 3.3.4

10:25 LTG (RAD) CORRECTING STATUS BOARD
IN RAD ROOM.

LTG CNK'D EMERG. STATUS PRIOR TO
SENDING PERSONNEL TO FIELD
(UPDATED @ 10:25, STATUS)

10:33 LTG BEGAN BRIEFING OF RAD
FOR FAILED SIRENS (MESSAGE # 23).

10:34 LTG (RAD) REQ'D IN STAGING
AREA OFFICE.

10:35 LTG (RAD) RETURNED FOR BRIEFING
OF TWO (2) RAD.

{ EMERG. STATUS BRIEFING GOOD
{ DOSIMETRY ~~IS~~ GOOD

10:40 RAD (2) BRIEFING COMPL @ (MESSAGE # 23)

~~315 428 7123~~

PS.

11:32 GNL EMERG. DECLARED

12:00 MESSAGE #43 RECD TO MAN TCP'S

12:03 BRIEFING FOR TG BEGAN

NOTE PROB. EXISTS W/ RADIO IN
STAGING AREA, PROBLEMS
COULD EXIST IN COMMUNICATING
W/ TG; STAGING AREA.

12:07 1ST TG DISPATCHED.
ATTACH. 9 OF OPIP 3.6.3 WAS BEING
FILLED OUT

12:13 ALL ^{TG FOR THE} ~~THE~~ TCP IDENTIFIED ON
MESSAGE #43 ARE DISPATCHED

12:15 BRIEFING FOR. RAD BEING HELD
~~FOR R.~~

REF TO MESSAGE # 8

CONTROLLER REVIEW OF MESSAGE #8
@ 12:20 REVEALED NO TIME.

MESSAGE #8 WAS CONFIRMED RECD
@ 12:04

11:41 ROAD CREW WAS SENT TO LOCATION
~~#1004~~ #2004 w/ INCORRECT RADIO

THE ROAD CREW HAS A TG RADIO

A TELEVISION WAS MADE BY THE
 LTG TO SEND A RAD TO RC
 @ LOC 2004 w/ THE CORRECT RADIO

12:30 TG SENT TO RC @ LOC 2004
 TG WAS LOGGED INTO
 TG DISPATCH LOG (ATTACH 9 OF OPIB 3.6.3)

1:45 TCP #62 WAS USING RADIO BAG #
 RATHER THAN TCP#

THIS CONDITION WAS IDENTIF
 EARLIER