# LILCO EX Exhibit 15 e

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

'87 AUG 20 P6:00

RADIOLOGICAL EMERGENCY PREPAREDNESS EXERCISE OBSERVATIONS AND EVALUATIONS

> STAGING AREA MODULE TRAFFIC

OBSE	ERVER DATA
Facility:	Port. Jeff.
Date:	12,12/86
Specific Assignment:	Traffic Controller
Team Leader:	and the second
Name:	
Organization:	Impell
Title:	Lead Senior Engineer
Business Address:	e namen and the state of the second or decourses and a second and a second second second second second second s
Business Phone:	



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#### NUCLEAR REGULATORY COMMISSION

Staff	IDENTIFIED
Applicant	RECEIVED
Intervenor	REJECTED
Cont'g Off'r	
Contractor	DATE 5-18-87
D+bas	Witness

### 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) <u>Rating Questions</u>. 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 performence is satisfactory. However, your narrative summary should explain the rating.
  - "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.
- 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 cortain 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

- The front cover of the critique form has blank lines for you to write your name, assignment, etc.
- 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

### I. Traffic Operations

1.

2.

3.

	Sat	Unsat	N/A	N/0
Did the Lead traffic guide in general, display adequate training and knowledge to perform effectively?				
Were there sufficient quantities of equipment available for personnel being sent in to the field?	*			
Were traffic related personnel being sent into the field briefed as to:				
<ul> <li>protective action?</li> <li>potential plume path and radiation levels?</li> <li>their particular assignment?</li> </ul>	4			
preces of				

\* No actual requipment were brought by read crew personnel. This was therefore simulated in their assign nients.

### 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' three Lead Traffic buides demonstrated Knowledge of all procedures, conducted briefings the and handled then operations smoothly. They worked well together in splitting required actions of tasks. LTGs demonstrated instrative and logical thinking for instance in resolving traffic rerouting at TCPs 55 4 56. Lero dyective C9 was net by This staff. Traffic butter for TCPs within two mile EPZ were pre-assigned and efficiently send out quickly meting Lero objective CII.

II. Dosimetry and Exposure Control

		Sat	Unsat	N/A	N/0
1.	Was dosimetry issued to all per- sonnel dispatched into the EPZ?	/		100.0000000000000	
2.	Were dosimetry records properly completed?				
3.	Were personnel exposures periodically checked?		sagegany (Company)	N/A	
4.	Were personnel exposures tracked?	NUMERICAL OCCUPATION			
5.	Were personnel dispatched into the EPZ given thyroid blocking agents?	1			
6.	Were they instructed in its use?			ar and a first first finderson to	

- 5 -

#### 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.

Lead Traffic Guides instructed all their personnel in the use of KI 4 dosemetry. All personnel ner observed to be nearing downity conectly.

## III. Communications

		Sat	Unsat	N/A	N/O	
	Radio communications were easily understood, i.e., no static?				_/	
2	Was adequate air time available for communications with field personnel?				1	
3.	In general, were communciations clear and understandable?	1				
١.	Were messages formally documented?	1		demonstration contra		
5.	Were messages retained for future reference?	1				
i.	Communication problems were 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 questions in perspective. Explain both deficiencies and good performance.

Communication was carried out used in that it was depended charly & quickly. In the openion of the controller, in-boxes latted to cover inconsing nessages, answerd missages, etc. would platter entence the organization of the Traffic Operation. When messages coming from Ecc were unchear, they here verified through adultional phone call to FOC

Levo objective or was not by this staff.

# OBSERVER CONTROLLER LOG SHIET

Date: 12/2/86

Name: Location: Port isff

TIME

Two phones were hooked up in Traffic 8:00 Briefing Room. Two mops were set up in Traffic Briefing 8:16 Room. Maps were wiped clean of previous drill info. (Thanston Point Map & Thaffic Contrat Pant Map). Clock was set up in Print of room. 8:20 Status Board was brought into and set up 8:22 In front of room. Was brought in clean of information from previous Arills. All Lead Traffic Guide distribution packages 8:23 were brought into room. Transfer Point Map was taken out of 8:26 Traffic Briefing Room and brought down to Bus Dispatching Room. Message sent to sign-In Desk to put first 6 Traffic Guides on "stand by" 8:50 - obtain desimetry - report to departich noom 8:56 None of the LTG brought any of there own OPIPS. They knew they shouldn't. FIGURE 18

# OBSERVER CONTROLLER LOG SEEET

Date: 12/2/86

Name: Location: Port. Jeff.

TIME

OBSERVATION/COMMENT

All Route Alex thereas asked to go to dosimitary 9:11 Via PA system by Stageng Hour Coordinator, Briefing Room States Board (Traffic) 9:20 is updated. Alert at 8:42 6 Traffic buides report to briefing room & get briefed. boes over status board. Says 9:22 "the is a drill " several times. Went over procedure. Distioned raised about news media, First they 9:32 were told to derect news paged to EOC but then they corrected themselves to say ENC - Emerging News Conton. Bare # as 467-6499. Also given # of briefing room (331-6500) in case that radios mallunction. 6 Traffic Guides go out to their cars to married 9:36 their radios and then instructed to report back to briefing som. \$ 9:56 Wind direction marked on Traffic Control Point Map (after questioned by controller). All Traffic Guide with desimiting asked & report 9:56 to meting woom to se installation of radio video FIGURE 18

# OBSERVER CONTROLLER LOG SHEET

Date: 12/2/86

Name:

Location: Port. Jeff.

TIME

OBSERVATION/COMMENT

LTGs asked what channel to pil multi-band 9:58 radio's on. Told that for route about drivers I road cieus it was afarmed 3 4 for traffic. . 1 quites to Thought it was channel 1. When asked about security LTG = said that 6 9:59 amulated Route Aleit Ducon were put on security due to lack of men showing up for did. Status board & TCP Map ( for wind direction) were 10:08 updated & SAC assistant. Radio Video over a Traffic guides in the room 10:09 brefed on states. Told that they were still in Alert condition. Traffic Guides we told to use TCP # + not radie # 10:10 when signing on. This was in contradiction to what the video n'told them so LTG, pointed of the New matuctions of siren toilgres at briefing room noom Route Alert Duvers called to briefing noom 10:25 over PA apotem. FIGURE 18

# OBSERVER CONTROLLER LOG SHEET

Date: 12/2/86 Name: Location: Port Jefferson

TIME

Status board updated in Traffic buching room. 10:35 Ste Area Emergency declared at 10:10 noted. Bruefing of Rout About miners begins. 10:36 Instructed to loten to EBS radio for on radioactivity release of if there is to take KI immediately. Spit up two sinen fadures, 9 word to make copies of the maps. Audril come back with copies until 10:44. Final aren failure (50 RADs depatched (the drivers) 10:45 Second seren failure (33) RAOs dispatched (three drivers) 10:46 One LTG was asked to go out to observe mounting & domounting of PP, equip. Road Crew Briefing begins. 11:00 Equipment assignments confirmed ( who has Asked to go up & get there radios installed & then to come page & get their lunch & wait on tentine dage. Completed at 11:06 FIGURE 18

## OBSERVER CONTROLLER LOG SHEET

Date: 12/2/86

Name: Port Jeff. Location:

TIME

### OBSERVATION/COMMENT

Controller noted that there was a problem 11:13 with (in his opinion) the ocenario in that the road even personels, having been me-stagged, were not called nand that what equipment & bring. Von aning & Staging Hires they could not tell sign-m people what equipment they had. So equipment had to be given out lassigned) at the briefing. Created menor confusion when asked To sepe statue to ECC. Status Board updated by SHC assistant. 11:27 Menage over PA by SAC that we are in beneral 11:47 Emergency but no evacuation orders as of get. Route Alert 33A called in to Traffic Briefing Room 11:51 shore & said his route was completed. Told to go to ENDE in Brentwood. For margages received - one for Evac Reute Spotters 12:08 A, the other for Coute Alest privers & another for readicing General briefing of all groups ( & Traffic Guide; Road Oreus, houte Alex Drevers, Evacuation Route Sportons) begins. Done well, all recersory into includer in briding. FIGURE 18

## OBSERVER CONTROLLER LOG SHEET

Date: 12/2/36 Name: Location: Post Jeff.

TIME

OBSERVATION/COMMENT

One: LTG took care of depatching road 12:13 Neurs. One LTG took # 6 Route Alent Prisen out into All road overos dispatched Evac. Rout spotter dispoteting started - all by 12:25 12:17 12:20 Traffic Control At marge received at briefing room 12:21 b meanigned TG sont out Alori Driver anough 12:22 12:23 Route Alest prevers for deal notification. ransibly short because they earlier Trypled up on earlier siren failures Traffic Guides briefing begins 12:24 - told about back of new badges to be used as ref. - told # for news media quartions - that is Enc - told # for bruefing noom for radio faillers LTG said that they have it been instructed to wear 12:44 protective clathing you but that they are recommended to do so. I believe he did this because the hegersod if the KI should be ingested than PC's should be worm. All TG available have been dispatched - complete Two Route Alert provers were left in room. They adrit respond to request for one additional divinera cartier which prompted LTG to make one TG a RAD. 12:47 12:47

Date: 12/2/86

## OBSERVER CONTROLLER LOG SHEET

Name: Location: Port Jeff.

TIME

OBSERVATION/COMMENT

RAD 50B, 50C, seconded in a were directed 12:51 to go to EDWF. Callo came in within the last half how dening TG depatching Around this time ( ± 10 minutes) the SAC assistant 1:00 came to Traffic Breefing Room & enaded the status beard & Traffic Control 14 Maps 4 took for out to the equipment thailer. A mosage subsequently came in requiring the TCP map. The massage came in at 1:15 about two tonkers that and be reached, by ratio. The status board 4 TCP map was returned to brufing room at 1:29 this the delay was about 14 minutes due to the premature removed of these items. LTGs had to read to using a Hangstrum map to locate areas where varifiers were to are what TCPs were nearly to get TGs to contact ranker after TBs were reached by the nade. FIGURE 18

# OBSERVER CONTROLLER LOG SHEET

Date: 12/2/86

Name: Location: Port Jeff.

TIME

Lero Message 46 given to LTG. 2:09 LTG calls Traffic Control Point Coordinator 2:11 with regard to newsage 16. Instructed & that hell speak to radiological coordinator and get back to Port Jeff. LTG. LTG discussed whether their people in vianity 2:17 of 4 TCPs with reported high dosernater ( and reactings should be contacted by radie to make ause they check their doseniety. LTB got message to call back ECC with regards 2:22 to message 46. LTG called back ECC. LTG was asked for names of personic at 4 TCPs in question. 2T6 asked if further action at other TCP's is reeded. LTG was told no funtion action to be taken at other Ters. ECC ( Dosimetry Coordinator) aiked if LTG thrigh I oritical for TCP's to remain manned. LTG said that it was an EOC desicion not his. Eac Desem. Coon, said had call back with decision FIGURE 18

## OBSERVER CONTROLLER LOG SHEET

Date: 12/2/36

9

Name: Location: Port Jeff.

TIME

A. 1

LTGs got message to set up new TCP rear TOP 56 and resoute traffic die to real impediment. "Couldn't understand logic of 2.36 New TCP when looking at map. Went to call up for darification. Evac. Condenator decides to send TGs at 246 4 TCPs with high rad. back to EWDF. 4 TGs notified by radio to go to EWDF. 2:48 LTG tried to contact TCP 55 456 contacted to renorde thatte 3:02-South on MIT Sinai - Conam Rd & MT Sinai Patchogen 3:10 Rd. respectively. One TG from 56 (4 man crew) was to indirected to help out TCP 55 crew (2 man). TCP 56 could not be naised by radio atten by Post John on by TCP 55. LTG then called EOC to try to raise TCP 56. TCP 55 was contacted & instructions to him was received. This use a medification of what Eve requested. In controllers opinion it was more logical than the Ex approach and represented good thinking.